
kadi-apy
Release 0.34.0

Karlsruhe Institute of Technology

Oct 25, 2023

SETUP

| | | |
|----------|----------------------------|------------|
| 1 | Installation | 3 |
| 2 | Development | 5 |
| 3 | Upgrading | 7 |
| 4 | Configuration | 9 |
| 5 | Library | 11 |
| 6 | CLI | 43 |
| 7 | CLI Library | 113 |
| 8 | Release history | 149 |
| | Python Module Index | 159 |
| | Index | 161 |

Kadi-APY is a library for use in tandem with [Kadi4Mat](#). The REST-like API of Kadi4Mat makes it possible to programmatically interact with most of the resources that can be used through the web interface by sending suitable HTTP requests to the different endpoints the API provides.

Tip: Detailed information about the HTTP API of Kadi4Mat itself, including all endpoints and their parameters, can be found in the developer [documentation](#) of Kadi4Mat.

The goal of this library is to make the use of this API as easy as possible. It offers both an object oriented approach to work with the API in Python as well as a command line interface. The library is written in Python 3 and works under Linux, Windows and macOS. The source code of the project can be found [here](#).

INSTALLATION

The library can be installed using `pip3` (or simply `pip`, if there is no dedicated version of `pip` for Python 3 installed), which generally comes bundled with regular Python installations. Note that a Python version ≥ 3.8 is required to install the latest version of this library:

```
pip3 install kadi-apy
```

If you want to use the CLI, make sure the `kadi-apy` command is runnable from anywhere. Depending on the type of installation and if a virtual environment is used or not, the `PATH` system variable **may** need to be adapted accordingly to include the path the executable resides in. For example, the following command can be used on Linux, assuming the executable resides in `~/.local/bin`:

```
export PATH=${HOME}/.local/bin:${PATH}
```

This line can also be added to `.bashrc` so it will be executed each time a new terminal is opened:

```
echo 'export PATH=${HOME}/.local/bin:${PATH}' >> ${HOME}/.bashrc
```

On Windows, the `PATH` variable can be modified permanently by editing the respective environment variable in the advanced system settings of the control panel. The Python installer usually can do this automatically, but the corresponding option has to be selected explicitly.

Tab completion is also available for some shells in some capacity, namely `bash`, `zsh` and `fish`, and can be activated using:

```
kadi-apy config activate-autocompletion
```


DEVELOPMENT

When installing the library from source for development instead, it is recommended to install it in editable mode, which simply creates a link to the sources so all changes are reflected in the installed package immediately. The following command will also install some additional development dependencies as defined in `pyproject.toml`:

```
pip3 install -e .[dev]
```

Especially for development, running the installation inside a virtual environment is recommended, see [Virtualenv](#) for more information.

At this point, it is also recommended to already install the [pre-commit](#) hooks by running:

```
pre-commit install
```

Besides `pre-commit`, [Pylint](#) is used as a static code analysis tool. It can be used to check the whole project by running:

```
pylint kadi_apy
```

For contributions, it is recommended to first create a fork of this project and clone it. The main repository can be added as an additional remote to the cloned project, often called `upstream`. Also checkout the `development` branch, which is currently used as the main development branch.

Before creating a merge request on the main repository, make sure the GitLab CI runs through successfully in your fork. If applicable, make sure to add an entry about any new functionality to `HISTORY.md`. You may also add yourself as a contributor to `AUTHORS.md`.

UPGRADING

To upgrade the library, the `-U` flag can be used:

```
pip3 install kadi-apy -U
```

When installing from source for development, fetch the latest code first and install it in editable mode again:

```
pip3 install -e .[dev]
```


CONFIGURATION

To connect an instance of Kadi4Mat to this library, the host of the Kadi4Mat instance as well as a personal access token (PAT) are required. The host is the fully qualified domain name of a Kadi4Mat instance, e.g. `https://kadi4mat.example.edu`. PATs on the other hand have to be created via the web interface of the same Kadi4Mat instance in the menu found in *Settings > Access tokens*. Please also refer to the corresponding [documentation](#) of Kadi4Mat itself.

You can either directly pass the token and host to the *KadiManager* class (see also the *library* section) or use a config file to store this information, **which is usually recommended**. Note that when using both ways in parallel, the former takes precedence.

The kadi-apy CLI provides various convenience commands to create and update the config file:

```
kadi-apy config create    # Create a basic config file.
kadi-apy config set-host # Change a host in the config file.
kadi-apy config set-pat  # Change a PAT in the config file.
```

The first command will create a sample config file similar to the following (without the comments), residing in a suitable location in your home directory, depending on the operating system:

```
; Global settings.
[global]
; The name of the default Kadi4Mat instance to use.
default = my_instance
; Timeout in seconds for all requests.
timeout = 60
; Whether to verify the SSL/TLS certificate of the host.
verify = True
; Optional custom CA bundle to use for SSL/TLS verification.
ca_bundle = /path/to/certfile

; Specific settings for the current default instance.
[my_instance]
; Host of the instance.
host = https://example.kadi4mat.edu
; PAT corresponding to the instance.
pat = <PAT>

; Specific settings for another instance.
[my_second_instance]
host = https://example2.kadi4mat.edu
pat = <PAT>
```

This chapter describes how to install, upgrade and configure kadi-apy.

Tip: Detailed information about the HTTP API of Kadi4Mat itself, including all endpoints and their parameters, can be found in the developer [documentation](#) of Kadi4Mat.

LIBRARY

The Python library is the most important and most flexible way to use the functionality that kadi-apy provides. The central entry point for most functionality is the *KadiManager* class. The following shows a basic example on how to use it:

```
from kadi_apy import KadiManager

manager = KadiManager()

# Retrieve an existing record by its ID.
record = manager.record(id=1)

# Upload a file to the record.
response = record.upload_file("/path/to/file.txt")
```

Note: Most methods used to interact with resources return a response object as defined in the *requests* Python library, which can be used to detect whether a request has been successful.

Next to records (*Record*), it is also possible to interact with other types of resources, namely collections (*Collection*), templates (*Template*), groups (*Group*) and users (*User*), for example:

```
# Retrieve an existing collection by its identifier.
collection = manager.collection(identifier="my_collection")

# Create a new template with the given metadata. If the template already exists, it
# will be retrieved by its identifier.
template = manager.template(
    identifier="my_template",
    title="My template",
    create=True,
)
```

Common methods, namely for searching (*Search*) as well as miscellaneous functionality (*Miscellaneous*), are offered directly by corresponding helper classes:

```
# Perform a search for records.
response = manager.search.search_resources("record")

# Get all deleted resources.
response = manager.misc.get_deleted_resources()
```

Tip: It is also possible to send individual requests directly using `KadiManager.make_request()`, while still ensuring a common handling of things like authorization and errors. This method is especially useful for endpoints for which no dedicated functionality exists yet, depending on the versions of kadi-apy and Kadi4Mat itself that are used.

5.1 KadiManager

class `kadi_apy.lib.core.KadiManager`(*instance=None, host=None, token=None, verify=True, timeout=60, verbose=None*)

Bases: `object`

Base manager class for the API.

Manages the host and the personal access token (PAT) to use for all API requests. The KadiManager can instantiate new resources (e.g. records) via factory methods.

Parameters

- **instance** (*str, optional*) – The name of the instance to use in combination with a config file.
- **host** (*str, optional*) – Name of the host.
- **token** (*str, optional*) – Personal access token.
- **verify** (*bool, optional*) – Whether to verify the SSL/TLS certificate of the host.
- **timeout** (*float, optional*) – Timeout in seconds for the requests.
- **verbose** (*optional*) – Global verbose level to define the amount of prints.

property `pat_user`

Get the user related to the PAT.

Returns

The user.

Return type

User

property `misc`

Central entry point for miscellaneous functionality.

property `search`

Central entry point for search functionality.

make_request(*endpoint, method='get', **kwargs*)

Low level functionality to perform a request.

This function can be used to use endpoints for which no own functions exist yet.

Parameters

- **endpoint** (*str*) – Endpoint to use for the request.
- **method** (*str, optional*) – Method to use for the request. Defaults to 'get'. Further possibilities are 'post', 'patch', 'put' and 'delete'.
- ****kwargs** – Additional parameters.

Raises

- *KadiAPYInputError* – If method is invalid.
- *KadiAPYRequestError* – If the server answered with a redirection.

record(**kwargs)

Init a record.

Parameters****kwargs** – Parameter for the initialization.**Returns**

The record.

Return type*Record***Raises***KadiAPYRequestError* – If initializing the record was not successful.**collection**(**kwargs)

Init a collection.

Parameters****kwargs** – Parameter for the initialization.**Returns**

The collection.

Return type*Collection***Raises***KadiAPYRequestError* – If initializing the collection was not successful.**template**(**kwargs)

Init a template.

Parameters****kwargs** – Parameter for the initialization.**Returns**

The template.

Return type*Template***Raises***KadiAPYRequestError* – If initializing the template was not successful.**group**(**kwargs)

Init a group.

Parameters****kwargs** – Parameter for the initialization.**Returns**

The group.

Return type*Group*

Raises

KadiAPYRequestError – If initializing the group was not successful.

user(**kwargs)

Init a user.

Parameters

****kwargs** – Parameter for the initialization.

Returns

The user.

Return type

User

Raises

KadiAPYRequestError – If initializing the user was not successful.

is_verbose(verbose_level=*Verbose.INFO*)

Check the verbose level.

Parameters

verbose_level – Local verbose level of the function.

Returns

True if verbose level is reached, False otherwise.

Return type

bool

error(text, **kwargs)

Print text for error level.

Parameters

- **text** – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

Return type

echo()

warning(text, **kwargs)

Print text for warning level.

Parameters

- **text** – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

Return type

echo()

info(text, **kwargs)

Print text for info level.

Parameters

- **text** – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

Return type

echo()

debug(*text*, ***kwargs*)

Print text for debug level.

Parameters

- **text** – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

Return type

`echo()`

echo(*text*, *verbose_level*, ***kwargs*)

Print text via `click.echo()` if global verbose level is reached.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- **verbose_level** – Verbose level.
- ****kwargs** – Additional parameters for `click.echo()`.

5.2 Record

class `kadi_apy.lib.resources.records.Record`(*manager*, *id=None*, *identifier=None*, *skip_request=False*, *create=False*, ***kwargs*)

Bases: `Resource`, `ExportMixin`, `PermissionMixin`, `TagMixin`

Model to represent records.

Parameters

- **manager** (`KadiManager`) – Manager to use for all API requests.
- **id** (*int*, *optional*) – The ID of an existing resource.
- **identifier** (*str*, *optional*) – The unique identifier of a new or existing resource, which is only relevant if no ID was given. If present, the identifier will be used to check for an existing resource instead. If no existing resource could be found or the resource to check does not use a unique identifier, it will be used to create a new resource instead, together with the additional metadata. The identifier is adjusted if it contains spaces, invalid characters or exceeds the length of 50 valid characters.
- **skip_request** (*bool*, *optional*) – Flag to skip the initial request.
- **create** (*bool*, *optional*) – Flag to determine if a resource should be created in case a identifier is given and the resource does not exist.
- ****kwargs** (*dict*) – Additional metadata of the new resource to create.

add_collection_link(*collection_id*)

Add a record to a collection.

Parameters

collection_id (*int*) – The ID of the collection to which the record should be added.

Returns

The response object.

remove_collection_link(*collection_id*)

Remove a record from a collection.

Parameters

collection_id (*int*) – The ID of the collection from which the record should be removed.

Returns

The response object.

check_metadatum(*metadatum*)

Check if a record has a certain metadatum.

Does currently not support metadata in nested types.

Parameters

metadatum (*str*) – The metadatum to check.

Returns

True if the metadatum exists, otherwise False.

Return type

bool

add_metadatum(*metadatum*, *force=False*)

Add metadatum to a record.

Validation supports currently no nested metadata.

Parameters

- **metadatum** (*dict*) – The metadatum to add.
- **force** (*bool*) – Whether to overwrite the metadatum with the new value in case the metadatum already exists.

Returns

The response object.

add_metadata(*metadata_new*, *force=False*, *callback=None*)

Add metadata to a record.

Validation supports currently no nested metadata.

Parameters

- **metadata_new** (*dict*, *list*) – One or more metadata entries to add, either as dictionary or a list of dictionaries.
- **force** (*bool*) – Whether to overwrite the metadatum with the new value in case the metadatum already exists.
- **callback** (*optional*) – Callback function.

Returns

The response object.

remove_metadatum(*metadatum*)

Remove a metadatum from a record.

Only first level metadata are supported (no nested types).

Parameters

metadatum (*str*) – The metadatum to remove.

Returns

The response object.

remove_all_metadata()

Remove all metadata from a record.

Returns

The response object.

upload_file(*file_path*, *file_name=None*, *file_description=None*, *force=False*)

Upload a file to a record.

Parameters

- **file_path** (*str*) – The path to the file (incl. name of the file).
- **file_name** (*str*, *optional*) – The name under which the file should be stored. If no name is given, the name is taken from the file path.
- **file_description** (*str*, *optional*) – The description of the file.
- **force** (*bool*, *optional*) – Whether to replace an existing file with identical name.

Returns

The response object.

upload_string_to_file(*string*, *file_name*, *file_description=""*, *force=False*)

Upload a string to save as a file in a record.

Parameters

- **string** (*str*) – The string to save as a file.
- **file_name** (*str*) – The name under which the file should be stored.
- **file_description** (*str*, *optional*) – The description of the file.
- **force** (*bool*, *optional*) – Whether to replace an existing file with identical name.

Returns

The response object.

download_file(*file_id*, *file_path*)

Download a file of a record.

Parameters

- **file_id** (*str*) – The file ID of the file to download.
- **file_path** (*str*) – The full path to store the file.

Returns

The response object.

download_all_files(*file_path*)

Download all files of a record as ZIP archive.

Parameters

file_path (*str*) – The full path to store the archive.

Returns

The response object.

get_file_revisions(***params*)

Get the file revisions of a file in this record.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_file_revision(*revision_id*, ***params*)

Get a specific file revision of a file in this record.

Parameters

- **revision_id** (*int*) – The revision ID of the file.
- ****params** – Additional parameters.

Returns

The response object.

get_record_revisions(***params*)

Get the revisions of this record.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_record_revision(*revision_id*, ***params*)

Get a specific revision of this record.

Parameters

- **revision_id** (*int*) – The revision ID of the record.
- ****params** – Additional parameters.

Returns

The response object.

get_users(***params*)

Get users from a record. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_groups(***params*)

Get group roles from a record. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_filelist(***params*)

Get the filelist. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_number_files()

Get number of all files of a record.

Returns

The number of files.

Return type

int

Raises

KadiAPYRequestError – If request was not successful.

get_file_name(file_id)

Get file name from a given file ID.

Parameters

file_id – The ID of the file.

Returns

The name of the file.

Return type

str

Raises

KadiAPYInputError – If no file with the given file ID exists.

get_metadatum(name)

Return a specific metadatum.

Parameters

name (*str* or *list*) – Either a single key as a string or a list of strings for nested metadata. Note that for list values, the keys are replaced by corresponding indices, also as string, starting at 1.

Returns

The metadatum or None if it could not be found.

link_record(record_to, name, term_iri=None)

Link record.

Parameters

- **record_to** (*int*) – The ID of the record to link.
- **name** (*str*) – The name of the link.
- **term_iri** (*str*) – An IRI specifying an existing term that the link should represent.

Returns

The response object.

delete_record_link(record_link_id)

Delete a record link.

Parameters

record_link_id (*int*) – The ID of the record link to delete. Attention: The record link ID is not the record ID.

Returns

The response object.

update_record_link(*record_link_id*, ***kwargs*)

Update the name of record link.

Parameters

- **record_link_id** (*int*) – The ID of the record link to update. Attention: The record link ID is not the record ID.
- ****kwargs** – The metadata to update the record link with.

Returns

The response object.

get_record_links(***params*)

Get record links. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_collection_links(***params*)

Get collection links. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_file_id(*file_name*)

Get the file ID based on the file name.

Parameters

file_name (*str*) – Additional parameters.

Returns

The file ID (UUID).

Return type

str

Raises

KadiAPYInputError – If no file with the given name exists.

get_file_info(*file_id*)

Get information of a file based on the *file_id*.

Parameters

file_id (*str*) – The ID of the file.

Returns

The response object.

has_file(*file_name*)

Check if file with the given name already exists.

Parameters

file_name (*str*) – The name of the file.

Returns

True if file already exists, otherwise False.

edit_file(*file_id*, ***kwargs*)

Edit the metadata of a file of the record.

Parameters

- **file_id** (*str*) – The ID (UUID) of the file to edit.
- ****kwargs** – The metadata to update the file with.

Returns

The response object.

delete_file(*file_id*)

Delete a file of the record.

Parameters

file_id (*str*) – The ID (UUID) of the file to delete.

Returns

The response object.

flatten_extras(*separator='.'*)

Create a list of flatted metadata.

Parameters

separator (*str*, *optional*) – A string for separating the metadata.

Returns

A list of flatted metadata.

Return type

list

add_group_role(*group_id*, *role_name*)

Add a group role.

Parameters

- **group_id** (*int*) – The ID of the group to add.
- **role_name** (*str*) – Role of the group.

Returns

The response object.

add_tag(*tag*)

Add a tag.

Parameters

tag (*str*) – The tag to add.

Returns

The response object.

add_user(*user_id*, *role_name*)

Add a user role.

Parameters

- **user_id** (*int*) – The ID of the user to add.
- **role_name** (*str*) – Role of the User.

Returns

The Response object.

change_group_role(*group_id*, *role_name*)

Change group role.

Parameters

- **group_id** (*int*) – The ID of the group whose role should be changed.
- **role_name** (*str*) – Name of the new role.

Returns

The response object.

change_user_role(*user_id*, *role_name*)

Change user role.

Parameters

- **user_id** (*int*) – The ID of the user whose role should be changed.
- **role_name** (*str*) – Name of the new role.

Returns

The response object.

check_tag(*tag*)

Check if a certain tag is already present.

Parameters

tag (*str*) – The tag to check.

Returns

True if tag already exists, otherwise False.

Return type

bool

debug(*text*, ***kwargs*)

Print text for debug level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

delete()

Delete the resource.

Returns

The response object.

edit(***kwargs*)

Edit the metadata of the resource.

Parameters

****kwargs** – The updated metadata of the resource.

Returns

The response object.

error(*text*, ***kwargs*)

Print text for error level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

export(*path*, *export_type='json'*, *pipe=False*, ***params*)

Export a resource using a specific export type.

Parameters

- **path** (*str*) – The path (including name of the file) to store the exported data.
- **export_type** (*str*) – The export format.
- **pipe** (*bool*) – If True, nothing is written here.
- ****params** – Additional parameters.

Returns

The response object.

get_tags()

Get tags.

Returns

A list of all tags.

Type

`list`

info(*text*, ***kwargs*)

Print text for info level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

is_verbose(***kwargs*)

Check the verbose level.

Returns

See `KadiManager.is_verbose()`.

property meta

Get all metadata of the resource.

In case the previous metadata was invalidated, either manually, after a timeout or due to another request, a request will be sent to retrieve the possibly updated metadata again.

Returns

The metadata of the resource.

Raises

KadiAPYRequestError – If requesting the metadata was not successful.

remove_group_role(*group_id*)

Remove a group role.

Parameters

group_id (*int*) – The ID of the group to remove.

Returns

The response object.

remove_tag(*tag*)

Remove a tag.

Parameters

tag (*str*) – The tag to remove.

Returns

The response object.

remove_user(*user_id*)

Remove a user role.

Parameters

user_id (*int*) – The ID of the user to remove.

Returns

The response object.

set_attribute(*attribute*, *value*)

Set attribute.

Parameters

- **attribute** (*str*) – The attribute to set.
- **value** – The value of the attribute.

Returns

The response object.

warning(*text*, ***kwargs*)

Print text for warning level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

5.3 Collection

```
class kadi_apy.lib.resources.collections.Collection(manager, id=None, identifier=None,
                                                    skip_request=False, create=False, **kwargs)
```

Bases: Resource, ExportMixin, PermissionMixin, TagMixin

Model to represent collections.

Parameters

- **manager** (*KadiManager*) – Manager to use for all API requests.
- **id** (*int*, *optional*) – The ID of an existing resource.
- **identifier** (*str*, *optional*) – The unique identifier of a new or existing resource, which is only relevant if no ID was given. If present, the identifier will be used to check for an existing resource instead. If no existing resource could be found or the resource to check does not use a unique identifier, it will be used to create a new resource instead, together with the additional metadata. The identifier is adjusted if it contains spaces, invalid characters or exceeds the length of 50 valid characters.
- **skip_request** (*bool*, *optional*) – Flag to skip the initial request.
- **create** (*bool*, *optional*) – Flag to determine if a resource should be created in case a identifier is given and the resource does not exist.
- ****kwargs** (*dict*) – Additional metadata of the new resource to create.

```
get_users(**params)
```

Get user of a collection. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

```
get_groups(**params)
```

Get group roles from a collection. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

```
add_record_link(record_id)
```

Add a record to a collection.

Parameters

record_id (*int*) – The ID of the record to add.

Returns

The response object.

```
remove_record_link(record_id)
```

Remove a record from a collection.

Parameters

record_id (*int*) – The ID of the record to remove.

Returns

The response object.

get_records(***params*)

Get records from a collection. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_collections(***params*)

Get collections linked with a collection id.

Parameters

****params** – Additional parameters.

Returns

The response object.

add_collection_link(*collection_id*)

Add a child collection to a parent collection.

Parameters

collection_id (*int*) – The ID of a child collection to which the parent collection should be added.

Returns

The response object.

remove_collection_link(*collection_id*)

Remove a child collection from a parent collection.

Parameters

collection_id (*int*) – The ID of the child collection to be removed from the parent collection.

Returns

The response object.

get_collection_revisions(***params*)

Get the revisions of this collection.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_collection_revision(*revision_id*, ***params*)

Get a specific revision of this collection.

Parameters

- **revision_id** (*int*) – The revision ID of the collection.
- ****params** – Additional parameters.

Returns

The response object.

add_group_role(*group_id*, *role_name*)

Add a group role.

Parameters

- **group_id** (*int*) – The ID of the group to add.
- **role_name** (*str*) – Role of the group.

Returns

The response object.

add_tag(*tag*)

Add a tag.

Parameters

tag (*str*) – The tag to add.

Returns

The response object.

add_user(*user_id*, *role_name*)

Add a user role.

Parameters

- **user_id** (*int*) – The ID of the user to add.
- **role_name** (*str*) – Role of the User.

Returns

The Response object.

change_group_role(*group_id*, *role_name*)

Change group role.

Parameters

- **group_id** (*int*) – The ID of the group whose role should be changed.
- **role_name** (*str*) – Name of the new role.

Returns

The response object.

change_user_role(*user_id*, *role_name*)

Change user role.

Parameters

- **user_id** (*int*) – The ID of the user whose role should be changed.
- **role_name** (*str*) – Name of the new role.

Returns

The response object.

check_tag(*tag*)

Check if a certain tag is already present.

Parameters

tag (*str*) – The tag to check.

Returns

True if tag already exists, otherwise False.

Return type

bool

debug(*text*, ***kwargs*)

Print text for debug level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

delete()

Delete the resource.

Returns

The response object.

edit(***kwargs*)

Edit the metadata of the resource.

Parameters

****kwargs** – The updated metadata of the resource.

Returns

The response object.

error(*text*, ***kwargs*)

Print text for error level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

export(*path*, *export_type='json'*, *pipe=False*, ***params*)

Export a resource using a specific export type.

Parameters

- **path** (*str*) – The path (including name of the file) to store the exported data.
- **export_type** (*str*) – The export format.
- **pipe** (*bool*) – If True, nothing is written here.
- ****params** – Additional parameters.

Returns

The response object.

get_tags()

Get tags.

Returns

A list of all tags.

Type

list

info(*text*, ***kwargs*)

Print text for info level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

is_verbose(***kwargs*)

Check the verbose level.

Returns

See `KadiManager.is_verbose()`.

property meta

Get all metadata of the resource.

In case the previous metadata was invalidated, either manually, after a timeout or due to another request, a request will be sent to retrieve the possibly updated metadata again.

Returns

The metadata of the resource.

Raises

`KadiAPYRequestError` – If requesting the metadata was not successful.

remove_group_role(*group_id*)

Remove a group role.

Parameters

group_id (*int*) – The ID of the group to remove.

Returns

The response object.

remove_tag(*tag*)

Remove a tag.

Parameters

tag (*str*) – The tag to remove.

Returns

The response object.

remove_user(*user_id*)

Remove a user role.

Parameters

user_id (*int*) – The ID of the user to remove.

Returns

The response object.

set_attribute(*attribute, value*)

Set attribute.

Parameters

- **attribute** (*str*) – The attribute to set.
- **value** – The value of the attribute.

Returns

The response object.

warning(*text*, ***kwargs*)

Print text for warning level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

5.4 Template

class `kadi_apy.lib.resources.templates.Template`(*manager*, *id=None*, *identifier=None*,
skip_request=False, *create=False*, ***kwargs*)

Bases: `Resource`, `ExportMixin`, `PermissionMixin`

Model to represent templates.

Parameters

- **manager** (`KadiManager`) – Manager to use for all API requests.
- **type** (*str*) – Type of the template. Can either be `record` or `extras`.
- **data** – Dict in case of a record template or a list in case of a extras template containing the content for the template.
- **id** (*int*, *optional*) – The ID of an existing resource.
- **identifier** (*str*, *optional*) – The unique identifier of a new or existing resource, which is only relevant if no ID was given. If present, the identifier will be used to check for an existing resource instead. If no existing resource could be found or the resource to check does not use a unique identifier, it will be used to create a new resource instead, together with the additional metadata. The identifier is adjusted if it contains spaces, invalid characters or exceeds the length of 50 valid characters.
- **skip_request** (*bool*, *optional*) – Flag to skip the initial request.
- **create** (*bool*, *optional*) – Flag to determine if a resource should be created in case a identifier is given and the resource does not exist.
- ****kwargs** (*dict*) – Additional metadata of the new resource to create.

get_users(***params*)

Get users from a template. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_template_revisions(***params*)

Get the revisions of this template.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_template_revision(*revision_id*, ***params*)

Get a specific revision of this template.

Parameters

- **revision_id** (*int*) – The revision ID of the template.
- ****params** – Additional parameters.

Returns

The response object.

get_groups(***params*)

Get group roles from a template. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

add_group_role(*group_id*, *role_name*)

Add a group role.

Parameters

- **group_id** (*int*) – The ID of the group to add.
- **role_name** (*str*) – Role of the group.

Returns

The response object.

add_user(*user_id*, *role_name*)

Add a user role.

Parameters

- **user_id** (*int*) – The ID of the user to add.
- **role_name** (*str*) – Role of the User.

Returns

The Response object.

change_group_role(*group_id*, *role_name*)

Change group role.

Parameters

- **group_id** (*int*) – The ID of the group whose role should be changed.
- **role_name** (*str*) – Name of the new role.

Returns

The response object.

change_user_role(*user_id*, *role_name*)

Change user role.

Parameters

- **user_id** (*int*) – The ID of the user whose role should be changed.
- **role_name** (*str*) – Name of the new role.

Returns

The response object.

debug(*text*, ***kwargs*)

Print text for debug level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

delete()

Delete the resource.

Returns

The response object.

edit(***kwargs*)

Edit the metadata of the resource.

Parameters

****kwargs** – The updated metadata of the resource.

Returns

The response object.

error(*text*, ***kwargs*)

Print text for error level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

export(*path*, *export_type='json'*, *pipe=False*, ***params*)

Export a resource using a specific export type.

Parameters

- **path** (*str*) – The path (including name of the file) to store the exported data.
- **export_type** (*str*) – The export format.
- **pipe** (*bool*) – If True, nothing is written here.
- ****params** – Additional parameters.

Returns

The response object.

info(*text*, ***kwargs*)

Print text for info level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

is_verbose(***kwargs*)

Check the verbose level.

Returns

See `KadiManager.is_verbose()`.

property meta

Get all metadata of the resource.

In case the previous metadata was invalidated, either manually, after a timeout or due to another request, a request will be sent to retrieve the possibly updated metadata again.

Returns

The metadata of the resource.

Raises

`KadiAPYRequestError` – If requesting the metadata was not successful.

remove_group_role(*group_id*)

Remove a group role.

Parameters

group_id (*int*) – The ID of the group to remove.

Returns

The response object.

remove_user(*user_id*)

Remove a user role.

Parameters

user_id (*int*) – The ID of the user to remove.

Returns

The response object.

set_attribute(*attribute*, *value*)

Set attribute.

Parameters

- **attribute** (*str*) – The attribute to set.
- **value** – The value of the attribute.

Returns

The response object.

warning(*text*, ***kwargs*)

Print text for warning level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

5.5 Group

```
class kadi_apy.lib.resources.groups.Group(manager, id=None, identifier=None, skip_request=False,
                                          create=False, **kwargs)
```

Bases: Resource

Model to represent groups.

Parameters

- **manager** (*KadiManager*) – Manager to use for all API requests.
- **id** (*int*, *optional*) – The ID of an existing resource.
- **identifier** (*str*, *optional*) – The unique identifier of a new or existing resource, which is only relevant if no ID was given. If present, the identifier will be used to check for an existing resource instead. If no existing resource could be found or the resource to check does not use a unique identifier, it will be used to create a new resource instead, together with the additional metadata. The identifier is adjusted if it contains spaces, invalid characters or exceeds the length of 50 valid characters.
- **skip_request** (*bool*, *optional*) – Flag to skip the initial request.
- **create** (*bool*, *optional*) – Flag to determine if a resource should be created in case a identifier is given and the resource does not exist.
- ****kwargs** (*dict*) – Additional metadata of the new resource to create.

```
get_records(**params)
```

Get records shared with a group. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

```
get_collections(**params)
```

Get collections shared with a group. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

```
get_templates(**params)
```

Get templates shared with a group. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

```
get_users(**params)
```

Get users of a group. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

add_user(*user_id*, *role_name*)

Add a user.

Parameters

- **user_id** (*int*) – The ID of the user to add.
- **role_name** (*str*) – Role of the user.

Returns

The response object.

remove_user(*user_id*)

Remove a user.

Parameters

user_id (*int*) – The ID of the user to remove.

Returns

The response object.

get_group_revisions(***params*)

Get the revisions of this group.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_group_revision(*revision_id*, ***params*)

Get a specific revision from this group.

Parameters

- **revision_id** (*int*) – The revision ID of the group.
- ****params** – Additional parameters.

Returns

The response object.

change_user_role(*user_id*, *role_name*)

Change role of a user.

Parameters

- **user_id** (*int*) – The ID of the user whose role should be changed.
- **role_name** (*str*) – Name of the new role.

Returns

The response object.

debug(*text*, ***kwargs*)

Print text for debug level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

delete()

Delete the resource.

Returns

The response object.

edit(kwargs)**

Edit the metadata of the resource.

Parameters

****kwargs** – The updated metadata of the resource.

Returns

The response object.

error(text, **kwargs)

Print text for error level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

info(text, **kwargs)

Print text for info level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

is_verbose(kwargs)**

Check the verbose level.

Returns

See `KadiManager.is_verbose()`.

property meta

Get all metadata of the resource.

In case the previous metadata was invalidated, either manually, after a timeout or due to another request, a request will be sent to retrieve the possibly updated metadata again.

Returns

The metadata of the resource.

Raises

KadiAPYRequestError – If requesting the metadata was not successful.

set_attribute(attribute, value)

Set attribute.

Parameters

- **attribute** (*str*) – The attribute to set.
- **value** – The value of the attribute.

Returns

The response object.

warning(*text*, ***kwargs*)

Print text for warning level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

5.6 User

class `kadi_apy.lib.resources.users.User`(*manager*, *id=None*, *username=None*, *identity_type=None*, *use_pat=False*)

Bases: `ResourceMeta`

Model to represent users.

A user can either be clearly identified via its id or the combination of username and identity type.

Parameters

- **manager** (`KadiManager`) – Manager to use for all API requests.
- **id** (*int*, *optional*) – The ID of an existing user.
- **username** (*str*, *optional*) – The username.
- **identity_type** (*str*, *optional*) – The identity type of the user.
- **use_pat** (*bool*, *optional*) – Flag to indicate that the pat stored in the `KadiManager` should be used for instantiating the user.

Raises

`KadiAPYRequestError` – If retrieving the user was not successful.

debug(*text*, ***kwargs*)

Print text for debug level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

error(*text*, ***kwargs*)

Print text for error level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

info(*text*, ***kwargs*)

Print text for info level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

is_verbose(***kwargs*)

Check the verbose level.

Returns

See *KadiManager.is_verbose()*.

property meta

Get all metadata of the resource.

In case the previous metadata was invalidated, either manually, after a timeout or due to another request, a request will be sent to retrieve the possibly updated metadata again.

Returns

The metadata of the resource.

Raises

KadiAPYRequestError – If requesting the metadata was not successful.

warning(*text, **kwargs*)

Print text for warning level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

5.7 Miscellaneous

class `kadi_apy.lib.misc.Miscellaneous`(*manager*)

Bases: `RequestMixin`, `VerboseMixin`

Model to handle miscellaneous functionality.

Parameters

manager (*KadiManager*) – Manager to use for all API requests.

get_deleted_resources(***params*)

Get a list of deleted resources in the trash. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

restore(*item, item_id*)

Restore an item from the trash.

Parameters

- **item** – The resource type defined either as string or class.
- **item_id** (*int*) – The ID of the item to restore.

Returns

The response object.

purge(*item*, *item_id*)

Purge an item from the trash.

Parameters

- **item** – The resource type defined either as string or class.
- **item_id** (*int*) – The ID of the item to restore.

Returns

The response object.

get_licenses(***params*)

Get a list of available licenses. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_kadi_info()

Get information about the Kadi instance.

Returns

The response object.

get_roles()

Get all possible roles and corresponding permissions of all resources.

Returns

The response object.

get_tags(***params*)

Get a list of all tags. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

import_eln(*file_path*)

Import an RO-Crate file following the “ELN” file specification.

Parameters

file_path (*str*) – The path of the file.

Raises

- ***KadiAPYInputError*** – If the structure of the RO-Crate is not valid.
- ***KadiAPYRequestError*** – If any request was not successful while importing the data and metadata.

debug(*text*, ***kwargs*)

Print text for debug level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

error(*text*, ***kwargs*)

Print text for error level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

info(*text*, ***kwargs*)

Print text for info level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

is_verbose(***kwargs*)

Check the verbose level.

Returns

See `KadiManager.is_verbose()`.

warning(*text*, ***kwargs*)

Print text for warning level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

5.8 Search

class `kadi_apy.lib.search.Search`(*manager*)

Bases: `RequestMixin`, `VerboseMixin`

Search class for resources and users.

Parameters

manager (`KadiManager`) – Manager to use for all API requests.

search_resources(*item*, ***params*)

Search for resources.

Parameters

- **item** – The resource type defined either as string or class.
- ****params** – Additional parameters.

Returns

The response object.

search_user_resources(*item*, *user*, ***params*)

Search for resources of users.

Parameters

- **item** – The resource type defined either as string or class.

- **user** – ID of the user whose items are to be searched for.
- ****params** – Additional parameters.

Returns

The response object.

search_users(**params)

Search for users.

Parameters

- ****params** – Additional parameters.

Returns

The response object.

debug(text, **kwargs)

Print text for debug level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

error(text, **kwargs)

Print text for error level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

info(text, **kwargs)

Print text for info level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

is_verbose(**kwargs)

Check the verbose level.

Returns

See `KadiManager.is_verbose()`.

warning(text, **kwargs)

Print text for warning level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

5.9 Exceptions

exception `kadi_apy.lib.exceptions.KadiAPYException`

Bases: `Exception`

Base exception class.

exception `kadi_apy.lib.exceptions.KadiAPYConfigurationError`

Bases: `KadiAPYException`

For errors relating to invalid configurations.

exception `kadi_apy.lib.exceptions.KadiAPYRequestError`

Bases: `KadiAPYException`

For errors relating to invalid requests.

exception `kadi_apy.lib.exceptions.KadiAPYInputError`

Bases: `KadiAPYException`

For errors relating to invalid inputs.

The command line interface (CLI) is an alternative way to use most of the functionality that `kadi-apy` provides. It is especially useful for scripting and the integration with programming languages other than Python. However, due to the nature of CLI tools, it is less flexible in comparison with the Python library.

The central entry point to the CLI is provided by the main `kadi-apy` command:

```
kadi-apy --help
```

6.1 `kadi-apy`

The `kadi-apy` command line interface.

```
kadi-apy [OPTIONS] COMMAND [ARGS]...
```

Options

`--version`

Print the version of this group and exit.

`--commands`

Print a list of all commands this group contains and exit.

6.1.1 collections

Commands to manage collections.

```
kadi-apy collections [OPTIONS] COMMAND [ARGS]...
```

Options

--version

Print the version of this group and exit.

--commands

Print a list of all commands this group contains and exit.

add-collection-link

Link a child collection to a parent collection.

```
kadi-apy collections add-collection-link [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-C, --collection-identifier <collection_identifier>

Identifier of the collection.

-c, --collection-id <collection_id>

ID of the collection.

-L, --collection-identifier-child <collection_identifier_child>

Identifier of the collection to link to the parent collection.

-l, --collection-id-child <collection_id_child>

ID of the collection to link to the parent collection.

add-group-role

Add a group role to a collection.

```
kadi-apy collections add-group-role [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-C, --collection-identifier <collection_identifier>

Identifier of the collection to add the group with role permissions.

-c, --collection-id <collection_id>

ID of the collection to add the group with role permissions.

-G, --group-identifier <group_identifier>

Identifier of the group.

-g, --group-id <group_id>

ID of the group.

-p, --permission-new <permission_new>

Permission of the group.

Default

member

Options

member | collaborator | editor | admin

add-record-link

Link record to a collection.

```
kadi-apy collections add-record-link [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-C, --collection-identifier <collection_identifier>

Identifier of the collection to link to the record.

-c, --collection-id <collection_id>

ID of the collection to link to the record.

-R, --record-identifier <record_identifier>

Identifier of the record to link to the collection.

-r, --record-id <record_id>

ID of the record to link to the collection.

add-tag

Add a tag or several tags to a collection.

```
kadi-apy collections add-tag [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

- V, --verbose** <verbose>
Verbose level to define the amount of print output.
- Default**
info
- Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- C, --collection-identifier** <collection_identifier>
Identifier of the collection to add a tag.
- c, --collection-id** <collection_id>
ID of the collection to add a tag.
- t, --tag** <tag>
Required Tag to add.

add-user

Add a user to a collection.

```
kadi-apy collections add-user [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.
- Default**
info
- Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- C, --collection-identifier** <collection_identifier>
Identifier of the collection to add the user.
- c, --collection-id** <collection_id>
ID of the collection to add the user.

- D, --identity-type** <identity_type>
Identity type of the user
 - Options**
ldap | local | shib
- U, --username** <username>
Username of the user.
- u, --user** <user>
ID of the user.
- p, --permission-new** <permission_new>
Permission of new user.
 - Default**
member
 - Options**
member | collaborator | editor | admin

create

Create a collection.

```
kadi-apy collections create [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.
 - Default**
info
 - Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- t, --title** <title>
Title of the collection.
- i, --identifier** <identifier>
Required Identifier of the collection.
- v, --visibility** <visibility>
Visibility of the collection.

Default
private

Options
private | public

-p, --pipe

Use this flag if you want to pipe the returned collection id.

Default
False

-e, --exit-not-created

Exit with error if the collection was not newly created.

Default
False

delete

Delete a collection.

```
kadi-apy collections delete [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default
info

Options
error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-C, --collection-identifier <collection_identifier>

Identifier of the collection to delete.

-c, --collection-id <collection_id>

ID of the collection to delete.

--i-am-sure

Enable this option to delete the collection.

Default
False

edit

Edit the metadata of a collection.

```
kadi-apy collections edit [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-C, --collection-identifier <collection_identifier>

Identifier of the collection to edit.

-c, --collection-id <collection_id>

ID of the collection to edit.

-v, --visibility <visibility>

Visibility of the collection to set.

Options

private | public

-t, --title <title>

Title of the collection to set.

-d, --description <description>

Description of the collection to set.

export

Export the collection using a specific export type.

```
kadi-apy collections export [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-C, --collection-identifier <collection_identifier>

Identifier of the collection to export.

-c, --collection-id <collection_id>

ID of the collection to export.

-e, --export-type <export_type>

Export type.

Default

json

Options

json | qr | rdf | ro-crate

-p, --path <path>

Path (folder) to store the file.

Default

.

-n, --name <name>

Name of the file to store. The identifier is used as default.

-f, --force

Enable if existing file with identical name should be replaced.

Default

False

-P, --pipe

Use this flag if you want to pipe the returned json.

Default

False

-u, --use-folder

Create, if not already existing, a folder in the specified file path with the collection's identifier as name and save the exported file in this folder.

Default

False

get-collection-ids

Search for collections. The ids of all found results are displayed.

```
kadi-apy collections get-collection-ids [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-t, --tag <tag>

Tag(s) for search.

-T, --tag-operator <tag_operator>

The operator to filter the tags with.

Default

or

Options

or | and

-v, --visibility <visibility>

Show results based on visibility parameter.

Default

all

Options

private | public | all

-p, --pipe

Use this flag if you want to pipe the returned. collection ids as tokenlist.

Default

False

--i-am-sure

Enable this option in case more than 1000 results are found.

Default

False

get-collections

Search for collections.

```
kadi-apy collections get-collections [OPTIONS]
```

Options**--version**

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-t, --tag <tag>

Tag(s) for search.

-T, --tag-operator <tag_operator>

The operator to filter the tags with. Defaults to 'or'.

Options

or | and

-n, --per-page <per_page>

Number of results per page.

Default

10

-p, --page <page>

Page for search results.

Default

1

-D, --identity-type <identity_type>

Identity type of the user to show the user's created collections.

Options

ldap | local | shib

- U, --username** <username>
Username of the user to show the user's created collections.
- u, --user** <user>
ID of the user to show the user's created collections.
- i, --use-my-user-id**
Show only own created collections.
 - Default**
False
- v, --visibility** <visibility>
Show results based on visibility parameter.
 - Options**
private | public | all
- q, --query** <query>
The search query.

remove-collection-link

Remove a child collection from a parent collection.

```
kadi-apy collections remove-collection-link [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.
 - Default**
info
 - Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- C, --collection-identifier** <collection_identifier>
Identifier of the collection.
- c, --collection-id** <collection_id>
ID of the collection.
- L, --collection-identifier-child** <collection_identifier_child>
Identifier of the collection to remove from the parent collection.
- l, --collection-id-child** <collection_id_child>
ID of the collection to remove from the parent collection.

remove-group-role

Remove a group role from a collection.

```
kadi-apy collections remove-group-role [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-C, --collection-identifier <collection_identifier>

Identifier of the collection to remove the group.

-c, --collection-id <collection_id>

ID of the collection to remove the group.

-G, --group-identifier <group_identifier>

Identifier of the group.

-g, --group-id <group_id>

ID of the group.

remove-record-link

Remove a record link from a collection.

```
kadi-apy collections remove-record-link [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

- V, --verbose** <verbose>
Verbose level to define the amount of print output.
 - Default**
info
 - Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- C, --collection-identifier** <collection_identifier>
Identifier of the collection to remove the record.
- c, --collection-id** <collection_id>
ID of the collection to remove the record.
- R, --record-identifier** <record_identifier>
Identifier of the record to remove from the collection.
- r, --record-id** <record_id>
ID of the record to remove from the collection.

remove-tag

Remove a tag from a collection.

```
kadi-apy collections remove-tag [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.
 - Default**
info
 - Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- C, --collection-identifier** <collection_identifier>
Identifier of the collection to remove a tag.
- c, --collection-id** <collection_id>
ID of the collection to remove a tag.
- t, --tag** <tag>
Required Tag to remove.

remove-user

Remove a user from a collection.

```
kadi-apy collections remove-user [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-C, --collection-identifier <collection_identifier>

Identifier of the collection to remove the user.

-c, --collection-id <collection_id>

ID of the collection to remove the user.

-D, --identity-type <identity_type>

Identity type of the user

Options

ldap | local | shib

-U, --username <username>

Username of the user.

-u, --user <user>

ID of the user.

show-info

Show info of a collection.

```
kadi-apy collections show-info [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-C, --collection-identifier <collection_identifier>

Identifier of the collection.

-c, --collection-id <collection_id>

ID of the collection.

-d, --description

Show the description of the collection.

Default

False

-v, --visibility

Show the visibility of the collection.

Default

False

-r, --records

Show linked records of the collection.

Default

False

-n, --per-page <per_page>

Number of results per page.

Default

10

-p, --page <page>

Page for search results.

Default

1

6.1.2 config

Commands to manage configurations.

```
kadi-apy config [OPTIONS] COMMAND [ARGS]...
```

Options

--version

Print the version of this group and exit.

--commands

Print a list of all commands this group contains and exit.

activate-autocompletion

Activate the autocompletion for bash, zsh or fish.

```
kadi-apy config activate-autocompletion [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-s, --shell <shell>

Required Your shell type.

Options

bash | zsh | fish

add-instance

Add a new instance to the config file.

```
kadi-apy config add-instance [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-I, --instance <instance>

Required Name of the new instance.

change-default-instance

Change the default instance.

```
kadi-apy config change-default-instance [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-I, --instance <instance>

Required Name of the new default instance.

create

Create the config file to store the information to connect to a Kadi instance.

```
kadi-apy config create [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

get-kadi-info

Get information about the Kadi instance.

```
kadi-apy config get-kadi-info [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default
info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

rename-instance

Rename an instance.

```
kadi-apy config rename-instance [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-I, --instance <instance>

Required Name of the instance to change.

-N, --instance-new <instance_new>

Required New name of the instance.

set-host

Set a host in the config file.

```
kadi-apy config set-host [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-I, --instance <instance>

Name of the instance defined in the config. If empty, the default instance defined in the config file is used.

set-pat

Set a personal access token (pat) in the config file.

```
kadi-apy config set-pat [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-I, --instance <instance>

Name of the instance defined in the config. If empty, the default instance defined in the config file is used.

show-instances

Show a list of all instances defined in the config.

```
kadi-apy config show-instances [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

6.1.3 groups

Commands to manage groups.

```
kadi-apy groups [OPTIONS] COMMAND [ARGS]...
```

Options

--version

Print the version of this group and exit.

--commands

Print a list of all commands this group contains and exit.

add-user

Add a user to a group.

```
kadi-apy groups add-user [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-G, --group-identifier <group_identifier>

Identifier of the group to add the user.

-g, --group-id <group_id>

ID of the group to add the user.

-D, --identity-type <identity_type>

Identity type of the user to add to the group.

Options

ldap | local | shib

-U, --username <username>

Username of the user to add to the group.

-u, --user <user>

ID of the user to add to the group.

-p, --permission-new <permission_new>

Permission of new user.

Default

member

Options

member | editor | admin

create

Create a group.

```
kadi-apy groups create [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-t, --title <title>

Title of the group.

-i, --identifier <identifier>

Required Identifier of the group.

-v, --visibility <visibility>

Visibility of the group.

Default

private

Options

private | public

-p, --pipe

Use this flag if you want to pipe the returned group id.

Default

False

-e, --exit-not-created

Exit with error if the group was not newly created.

Default

False

delete

Delete a group.

```
kadi-apy groups delete [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-G, --group-identifier <group_identifier>

Identifier of the group to delete.

-g, --group-id <group_id>

ID of the group to delete.

--i-am-sure

Enable this option to delete the group.

Default

False

edit

Edit the metadata of a group.

```
kadi-apy groups edit [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

- V, --verbose** <verbose>
Verbose level to define the amount of print output.
- Default**
info
- Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- G, --group-identifier** <group_identifier>
Identifier of the group to edit.
- g, --group-id** <group_id>
ID of the group to edit.
- v, --visibility** <visibility>
Visibility of the group to set.
- Options**
private | public
- t, --title** <title>
Title of the group to set.
- d, --description** <description>
Description of the group to set.

get-groups

Search for groups.

```
kadi-apy groups get-groups [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.
- Default**
info
- Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.

- n, --per-page** <per_page>
Number of results per page.
- Default**
10
- p, --page** <page>
Page for search results.
- Default**
1
- D, --identity-type** <identity_type>
Identity type of the user to show the user's created groups.
- Options**
ldap | local | shib
- U, --username** <username>
Username of the user to show the user's created groups.
- u, --user** <user>
ID of the user to show the user's created groups.
- i, --my_user_id**
Show only own created groups.
- Default**
False
- v, --visibility** <visibility>
Show results based on visibility parameter.
- Default**
all
- Options**
private | public | all

remove-user

Remove a user from a group.

```
kadi-apy groups remove-user [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.
- Default**
info

Options

error | warning | info | debug

- I, **--instance** <instance>
Name of a Kadi instance defined in the config file.
- G, **--group-identifier** <group_identifier>
Identifier of the group to remove the user.
- g, **--group-id** <group_id>
ID of the group to remove the user.
- D, **--identity-type** <identity_type>
Identity type of the user to remove from the group.

Options

ldap | local | shib

- U, **--username** <username>
Username of the user to remove from the group.
- u, **--user** <user>
ID of the user to remove from the group.

show-info

Show info of a group.

```
kadi-apy groups show-info [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, **--verbose** <verbose>
Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

- I, **--instance** <instance>
Name of a Kadi instance defined in the config file.
- G, **--group-identifier** <group_identifier>
Identifier of the group.
- g, **--group-id** <group_id>
ID of the group.

-d, --description

Show the description of the group.

Default

False

-v, --visibility

Show the visibility of the group.

Default

False

6.1.4 misc

Commands for miscellaneous functionality.

```
kadi-apy misc [OPTIONS] COMMAND [ARGS]...
```

Options

--version

Print the version of this group and exit.

--commands

Print a list of all commands this group contains and exit.

get-deleted-resources

Show a list of deleted resources in the trash.

```
kadi-apy misc get-deleted-resources [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-n, --per-page <per_page>
Number of results per page.

Default
10

-p, --page <page>
Page for search results.

Default
1

-f, --filter <filter>
Filter by title or identifier.

Default
""

get-licenses

Show a list available licenses.

```
kadi-apy misc get-licenses [OPTIONS]
```

Options

--version
Print the version of this command and exit.

--xmlhelp
Print the xmlhelp of this command and exit.

-V, --verbose <verbose>
Verbose level to define the amount of print output.

Default
info

Options
error | warning | info | debug

-I, --instance <instance>
Name of a Kadi instance defined in the config file.

-n, --per-page <per_page>
Number of results per page.

Default
10

-p, --page <page>
Page for search results.

Default
1

-f, --filter <filter>

Filter.

Default

""

get-roles

Show a list of roles and corresponding permissions of all resources.

```
kadi-apy misc get-roles [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-t, --item-type <item_type>

Show only roles of this resource.

Options

record | collection | template | group

get-tags

Show a list available tags.

```
kadi-apy misc get-tags [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

- V, --verbose** <verbose>
Verbose level to define the amount of print output.
- Default**
info
- Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- n, --per-page** <per_page>
Number of results per page.
- Default**
10
- p, --page** <page>
Page for search results.
- Default**
1
- f, --filter** <filter>
Filter.
- Default**
""
- t, --type** <type>
A resource type to limit the tags to.
- Options**
record | collection

import-file

Import a file in a supported format.

Currently, only the 'eln' file format is supported. Note that the format is simply checked based on the file extension.

```
kadi-apy misc import-file [OPTIONS] PATH
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.
- Default**
info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

Arguments**PATH**

Required argument

purge-resource

Purge a resource from the trash.

```
kadi-apy misc purge-resource [OPTIONS]
```

Options**--version**

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-t, --item-type <item_type>**Required** Type of the resource to purge.**Options**

record | collection | group | template

-i, --item-id <item_id>**Required** ID of the resource to purge.

restore-resource

Restore a resource from the trash.

```
kadi-apy misc restore-resource [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-t, --item-type <item_type>

Required Type of the resource to restore.

Options

record | collection | group | template

-i, --item-id <item_id>

Required ID of the resource to restore.

6.1.5 records

Commands to manage records.

```
kadi-apy records [OPTIONS] COMMAND [ARGS]...
```

Options

--version

Print the version of this group and exit.

--commands

Print a list of all commands this group contains and exit.

add-collection-link

Link record to a collection.

```
kadi-apy records add-collection-link [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-R, --record-identifier <record_identifier>

Identifier of the record to link to the collection.

-r, --record-id <record_id>

ID of the record to link to the collection.

-C, --collection-identifier <collection_identifier>

Identifier of the collection to link to the record.

-c, --collection-id <collection_id>

ID of the collection to link to the record.

add-files

Add a file or a folder content to a record.

```
kadi-apy records add-files [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-R, --record-identifier <record_identifier>

Identifier of the record.

-r, --record-id <record_id>

ID of the record.

-n, --file-name <file_name>

Required Name of the file or folder

-d, --file-description <file_description>

The description of a single file

Default

""

-p, --pattern <pattern>

Pattern for selecting certain files when using a folder as input. By default, all files are taken into account. To set a pattern, Unix shell-style wildcards can be used (see Python package fnmatch).

-e, --exclude_pattern <exclude_pattern>

Pattern for excluding certain files when using a folder as input. To set a pattern, Unix shell-style wildcards can be used (see Python package fnmatch).

-f, --force

Enable if existing file(s) with identical name(s) should be replaced.

Default

False

add-group-role

Add a group role to a record.

```
kadi-apy records add-group-role [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

- V, --verbose** <verbose>
Verbose level to define the amount of print output.
- Default**
info
- Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- R, --record-identifier** <record_identifier>
Identifier of the record to add the group with role permissions.
- r, --record-id** <record_id>
ID of the record to add the group with role permissions.
- G, --group-identifier** <group_identifier>
Identifier of the group.
- g, --group-id** <group_id>
ID of the group.
- p, --permission-new** <permission_new>
Permission of the group
- Default**
member
- Options**
member | collaborator | editor | admin

add-metadata

Add metadata with dict or a list of dicts as input.

```
kadi-apy records add-metadata [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.
- Default**
info
- Options**
error | warning | info | debug

- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- R, --record-identifier** <record_identifier>
Identifier of the record to add metadata as dictionary or as a list of dictionaries.
- r, --record-id** <record_id>
ID of the record to add metadata as dictionary or as a list of dictionaries.
- m, --metadata** <metadata>
Metadata string input
- p, --file** <file>
Path to file containing metadata
- f, --force**
Force deleting and overwriting existing metadata.

Default

False

add-metadatum

Add a metadatum to a record.

`kadi-apy records add-metadatum [OPTIONS]`

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.
 - Default**
info
 - Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- R, --record-identifier** <record_identifier>
Identifier of the record to add a metadatum.
- r, --record-id** <record_id>
ID of the record to add a metadatum.
- m, --metadatum** <metadatum>
Required Name of metadatum to add

- v, --value** <value>
Required Value of metadatum to add
- t, --type** <type>
 Type of metadatum to add
- Default**
 string
- Options**
 string | integer | float | boolean
- u, --unit** <unit>
 Unit of metadatum to add
- f, --force**
 Force overwriting existing metadatum with identical name
- Default**
 False

add-record-link

Add a record link to a record.

```
kadi-apy records add-record-link [OPTIONS]
```

Options

- version**
 Print the version of this command and exit.
- xmlhelp**
 Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
 Verbose level to define the amount of print output.
- Default**
 info
- Options**
 error | warning | info | debug
- I, --instance** <instance>
 Name of a Kadi instance defined in the config file.
- R, --record-identifier** <record_identifier>
 Identifier of the record.
- r, --record-id** <record_id>
 ID of the record.
- L, --record-identifier-link** <record_identifier_link>
 Identifier of the record to be linked.

- T, **--record-ids** <record_ids>
Tokenlist of record IDs to be linked.
- l, **--record-id-link** <record_id_link>
ID of the record to be linked.
- n, **--name** <name>
Required Name of the linking.
- t, **--term** <term>
An IRI specifying an existing term.

add-string-as-file

Add a string as a file to a record.

```
kadi-apy records add-string-as-file [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, **--verbose** <verbose>
Verbose level to define the amount of print output.
 - Default**
info
 - Options**
error | warning | info | debug
- I, **--instance** <instance>
Name of a Kadi instance defined in the config file.
- R, **--record-identifier** <record_identifier>
Identifier of the record.
- r, **--record-id** <record_id>
ID of the record.
- s, **--string** <string>
Required String to be added as file to the record.
- n, **--file-name** <file_name>
Required Name of the file to store the sting.
- f, **--force**
Enable if existing file with identical name should be replaced.
 - Default**
False

add-tag

Add a tag or several tags to a record.

```
kadi-apy records add-tag [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-R, --record-identifier <record_identifier>

Identifier of the record.

-r, --record-id <record_id>

ID of the record.

-t, --tag <tag>

Required Tag to add.

add-user

Add a user to a record.

```
kadi-apy records add-user [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

- I, **--instance** <instance>
Name of a Kadi instance defined in the config file.
- R, **--record-identifier** <record_identifier>
Identifier of the record.
- r, **--record-id** <record_id>
ID of the record.
- D, **--identity-type** <identity_type>
Identity type of the user to add.

Options

ldap | local | shib

- U, **--username** <username>
Username of the user to add.
- u, **--user** <user>
ID of the user to add.
- p, **--permission-new** <permission_new>
Permission of new user.

Default

member

Options

member | collaborator | editor | admin

create

Create a record.

```
kadi-apy records create [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, **--verbose** <verbose>
Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- i, --identifier** <identifier>
Required Identifier of the record
- t, --title** <title>
Title of the record
- v, --visibility** <visibility>
Visibility of the record
- Default**
private
- Options**
private | public
- p, --pipe**
Use this flag if you want to pipe the returned record id.
- Default**
False
- e, --exit-not-created**
Exit with error if the record was not newly created.
- Default**
False

delete

Delete a record.

```
kadi-apy records delete [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.
- Default**
info
- Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.

-R, --record-identifier <record_identifier>

Identifier of the record to delete.

-r, --record-id <record_id>

ID of the record to delete.

--i-am-sure

Enable this option to delete the record

Default

False

delete-all-metadata

Delete all metadatum of a record.

```
kadi-apy records delete-all-metadata [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-R, --record-identifier <record_identifier>

Identifier of the record to delete all metadata.

-r, --record-id <record_id>

ID of the record to delete all metadata.

--i-am-sure

Enable this option to delete all metadata of the record.

Default

False

delete-file

Delete a file of a record.

```
kadi-apy records delete-file [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-R, --record-identifier <record_identifier>

Identifier of the record.

-r, --record-id <record_id>

ID of the record.

-i, --file-id <file_id>

ID of the file.

-n, --file-name <file_name>

Name of the file.

delete-files

Delete all files of a record.

```
kadi-apy records delete-files [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

- V, --verbose** <verbose>
Verbose level to define the amount of print output.
 - Default**
info
 - Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- R, --record-identifier** <record_identifier>
Identifier of the record.
- r, --record-id** <record_id>
ID of the record.
- i-am-sure**
Enable this option to delete all files of the record.
 - Default**
False

delete-metadatum

Delete a metadatum of a record.

```
kadi-apy records delete-metadatum [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.
 - Default**
info
 - Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- R, --record-identifier** <record_identifier>
Identifier of the record to delete a metadatum.
- r, --record-id** <record_id>
ID of the record to delete a metadatum.
- m, --metadatum** <metadatum>
Required Name of metadatum to remove.

delete-record-link

Delete a record link.

```
kadi-apy records delete-record-link [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-R, --record-identifier <record_identifier>

Identifier of the record.

-r, --record-id <record_id>

ID of the record.

-l, --record-link-id <record_link_id>

Required Record link ID.

edit

Edit the basic metadata of a record.

```
kadi-apy records edit [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- R, --record-identifier** <record_identifier>
Identifier of the record to edit.
- r, --record-id** <record_id>
ID of the record to edit.
- v, --visibility** <visibility>
Visibility of the record

Options

private | public

- t, --title** <title>
Title of the record
- d, --description** <description>
Description of the record
- y, --type** <type>
Type of the record
- l, --license** <license>
License of the record

edit-file

Edit the metadata of a file of a record.

```
kadi-apy records edit-file [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

- I, --instance** <instance>
Name of a Kadi instance defined in the config file.

- R, --record-identifier** <record_identifier>
Identifier of the record.
- r, --record-id** <record_id>
ID of the record.
- i, --file-id** <file_id>
ID of the file.
- n, --file-name** <file_name>
Name of the file.
- a, --name** <name>
The new name of the file.
- m, --mimetype** <mimetype>
The new MIME type of the file.

export

Export the record using a specific export type.

```
kadi-apy records export [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.
 - Default**
info
 - Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- R, --record-identifier** <record_identifier>
Identifier of the record to export.
- T, --record-ids** <record_ids>
Tokenlist of record IDs to export.
- r, --record-id** <record_id>
ID of the record to export.

-e, --export-type <export_type>

Export type.

Default

json

Options

json | pdf | qr | rdf | ro-crate

-p, --path <path>

Path (folder) to store the file.

Default

.

-n, --name <name>

Name of the file to store. The identifier is used as default.

-f, --force

Enable if existing file with identical name should be replaced.

Default

False

-P, --pipe

Use this flag if you want to pipe the returned json.

Default

False

-u, --use-folder

Create, if not already existing, a folder in the specified file path with the record's identifier as name and save the exported file in this folder.

Default

False

get-file

Download one file, all files or files with pattern from a record.

```
kadi-apy records get-file [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- R, --record-identifier** <record_identifier>
Identifier of the record to download files from.
- T, --record-ids** <record_ids>
Tokenlist of record IDs to download files from.
- r, --record-id** <record_id>
ID of the record to download files from.
- i, --file-id** <file_id>
ID of the file to download.
- n, --file-name** <file_name>
Name of the file to download.
- p, --filepath** <filepath>
Path (folder) to store the file.

Default

.

- P, --pattern** <pattern>
Pattern for selecting certain files. To set a pattern, Unix shell-style wildcards can be used (see Python package fnmatch).
- e, --exclude-pattern** <exclude_pattern>
Pattern for excluding certain files. To set a pattern, Unix shell-style wildcards can be used (see Python package fnmatch).
- f, --force**
Force overwriting file in the given folder.

Default

False

- u, --use-folder**
Create, if not already existing, a folder in the specified file path with the record's identifier as name and saves all files in this folder.

Default

False

- E, --pipe**
Use this flag if you want to pipe the returned tokenlist of downloaded files.

Default

False

get-metadatum

Print information of a specific metadatum.

```
kadi-apy records get-metadatum [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-R, --record-identifier <record_identifier>

Identifier of the record.

-r, --record-id <record_id>

ID of the record.

-n, --name <name>

Required Name of the metadatum. Nested values can be separated via ‘.’.

-i, --information <information>

Specify the information to print.

Default

value

Options

value | unit | type

-p, --pipe

Use this flag if you want to pipe the returned information.

Default

False

get-record-ids

Search for records. The ids of all found results are displayed.

```
kadi-apy records get-record-ids [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-t, --tag <tag>

Tag(s) for search.

-T, --tag-operator <tag_operator>

The operator to filter the tags with.

Default

or

Options

or | and

-m, --mimetype <mimetype>

MIME type(s) for search.

-c, --collection <collection>

Collection ID(s) to search in.

-C, --child_collections

Include child collections in the search.

Default

False

-v, --visibility <visibility>

Show results based on visibility parameter.

Default

all

Options

private | public | all

-p, --pipe

Use this flag if you want to pipe the returned record ids as tokenlist.

Default

False

--i-am-sure

Enable this option in case more than 1000 results are found.

Default

False

get-records

Search for records.

```
kadi-apy records get-records [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-t, --tag <tag>

Tag(s) for search.

-T, --tag-operator <tag_operator>

The operator to filter the tags with. Defaults to 'or'.

Options

or | and

-m, --mimetype <mimetype>

MIME type(s) for search.

-c, --collection <collection>

Collection ID(s) to search in.

-C, --child_collections

Include child collections in the search.

Default

False

-n, --per-page <per_page>

Number of results per page.

Default

10

-p, --page <page>

Page for search results.

Default

1

-D, --identity-type <identity_type>

Identity type of the user to show the user's created records.

Options

ldap | local | shib

-U, --username <username>

Username of the user to show the user's created records.

-u, --user <user>

ID of the user to show the user's created records.

-i, --use-my-user-id

Show only own created records.

Default

False

-v, --visibility <visibility>

Show results based on visibility parameter.

Options

private | public | all

-q, --query <query>

The search query.

remove-collection-link

Remove a record link from a collection.

kadi-apy records remove-collection-link [OPTIONS]

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose <verbose>**
Verbose level to define the amount of print output.
 - Default**
info
 - Options**
error | warning | info | debug
- I, --instance <instance>**
Name of a Kadi instance defined in the config file.
- R, --record-identifier <record_identifier>**
Identifier of the record to remove collection.
- r, --record-id <record_id>**
ID of the record to remove collection.
- C, --collection-identifier <collection_identifier>**
Identifier of the collection to remove from the record.
- c, --collection-id <collection_id>**
ID of the collection to remove from the record.

remove-group-role

Remove a group role from a record.

```
kadi-apy records remove-group-role [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose <verbose>**
Verbose level to define the amount of print output.
 - Default**
info
 - Options**
error | warning | info | debug

- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- R, --record-identifier** <record_identifier>
Identifier of the record.
- r, --record-id** <record_id>
ID of the record.
- G, --group-identifier** <group_identifier>
Identifier of the group.
- g, --group-id** <group_id>
ID of the group.

remove-tag

Remove a tag from a record.

```
kadi-apy records remove-tag [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.
 - Default**
info
 - Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- R, --record-identifier** <record_identifier>
Identifier of the record.
- r, --record-id** <record_id>
ID of the record.
- t, --tag** <tag>
Required Tag to remove.

remove-user

Remove a user from a record.

```
kadi-apy records remove-user [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-R, --record-identifier <record_identifier>

Identifier of the record.

-r, --record-id <record_id>

ID of the record.

-D, --identity-type <identity_type>

Identity type of the user to remove.

Options

ldap | local | shib

-U, --username <username>

Username of the user to remove.

-u, --user <user>

ID of the user to remove.

show-info

Prints information of a record.

```
kadi-apy records show-info [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-R, --record-identifier <record_identifier>

Identifier of the record.

-r, --record-id <record_id>

ID of the record.

-d, --description

Show the description of the record

Default

False

-l, --filelist

Show the filelist of the record

Default

False

-n, --per-page <per_page>

Number of results per page.

Default

10

-p, --page <page>

Page for filelist.

Default

1

-m, --metadata

Show the metadata of the record.

Default

False

-v, --visibility

Show the visibility of the record.

Default

False

-i, --pipe

Use for piping. Do not show basic info.

Default

False

show-record-links-to

Print record links to another record.

```
kadi-apy records show-record-links-to [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-R, --record-identifier <record_identifier>

Identifier of the record.

-r, --record-id <record_id>

ID of the record.

-n, --per-page <per_page>

Number of results per page.

Default

10

-p, --page <page>

Page for search results.

Default

1

-d, --direction <direction>

Direction of the record links.

Default

out

Options

in | out

update-record-link

Update the name of a record link.

```
kadi-apy records update-record-link [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-R, --record-identifier <record_identifier>

Identifier of the record.

-r, --record-id <record_id>

ID of the record.

-l, --record-link-id <record_link_id>

Required Record link ID.

-n, --name <name>

Required New name of the linking.

6.1.6 templates

Commands to manage templates.

```
kadi-apy templates [OPTIONS] COMMAND [ARGS]...
```

Options

--version

Print the version of this group and exit.

--commands

Print a list of all commands this group contains and exit.

add-group-role

Add a group role to a template.

```
kadi-apy templates add-group-role [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-T, --template-identifier <template_identifier>

Identifier of the template to add the group with role permissions.

-t, --template-id <template_id>

ID of the template to add the group with role permissions.

-G, --group-identifier <group_identifier>

Identifier of the group.

-g, --group-id <group_id>

ID of the group.

-p, --permission-new <permission_new>

Permission of the group

Default

member

Options

member | editor | admin

add-user

Add a user to a template.

```
kadi-apy templates add-user [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-T, --template-identifier <template_identifier>

Identifier of the template.

-t, --template-id <template_id>

ID of the template.

-D, --identity-type <identity_type>

Identity type of the user to add.

Options

ldap | local | shib

-U, --username <username>

Username of the user to add.

-u, --user <user>

ID of the user to add.

-p, --permission-new <permission_new>

Permission of new user.

Default

member

Options

member | editor | admin

create

Create a template.

```
kadi-apy templates create [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-i, --identifier <identifier>

Required Identifier of the template.

-t, --title <title>

Title of the template.

-y, --type <template_type>

Type of the template.

Default

record

Options

extras | record

-p, --pipe

Use this flag if you want to pipe the returned template id.

Default

False

-d, --data <data>

Data for the template.

-e, --exit-not-created

Exit with error if the template was not newly created.

Default

False

delete

Delete a template.

```
kadi-apy templates delete [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-T, --template-identifier <template_identifier>

Identifier of the template to delete.

-t, --template-id <template_id>

ID of the template to delete.

--i-am-sure

Enable this option to delete the template.

Default

False

edit

Edit the metadata of a template.

```
kadi-apy templates edit [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

- V, --verbose** <verbose>
Verbose level to define the amount of print output.
- Default**
info
- Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- T, --template-identifier** <template_identifier>
Identifier of the template to edit.
- t, --template-id** <template_id>
ID of the template to edit.
- v, --visibility** <visibility>
Visibility of the template to set.
- Options**
private | public
- i, --title** <title>
Title of the template to set.
- d, --description** <description>
Description of the template to set.

export

Export the template using a specific export type.

```
kadi-apy templates export [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.
- Default**
info
- Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.

- T, --template-identifier** <template_identifier>
Identifier of the template to export.
- t, --template-id** <template_id>
ID of the template to export.
- e, --export_type** <export_type>
Export type.
- Default**
json
- Options**
json | json-schema
- p, --path** <path>
Path (folder) to store the file.
- Default**
.
- n, --name** <name>
Name of the file to store. The identifier is used as default.
- f, --force**
Enable if existing file with identical name should be replaced.
- Default**
False
- P, --pipe**
Use this flag if you want to pipe the returned json.
- Default**
False
- u, --use-folder**
Create, if not already existing, a folder in the specified file path with the template's identifier as name and save the exported file in this folder.
- Default**
False

get-templates

Search for templates.

```
kadi-apy templates get-templates [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-n, --per-page <per_page>

Number of results per page.

Default

10

-p, --page <page>

Page for search results.

Default

1

remove-group-role

Remove a group role from a template.

```
kadi-apy templates remove-group-role [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- T, --template-identifier** <template_identifier>
Identifier of the template.
- t, --template-id** <template_id>
ID of the template.
- G, --group-identifier** <group_identifier>
Identifier of the group.
- g, --group-id** <group_id>
ID of the group.

remove-user

Remove a user from a template.

```
kadi-apy templates remove-user [OPTIONS]
```

Options

- version**
Print the version of this command and exit.
- xmlhelp**
Print the xmlhelp of this command and exit.
- V, --verbose** <verbose>
Verbose level to define the amount of print output.

 - Default**
info
 - Options**
error | warning | info | debug
- I, --instance** <instance>
Name of a Kadi instance defined in the config file.
- T, --template-identifier** <template_identifier>
Identifier of the template.
- t, --template-id** <template_id>
ID of the template.
- D, --identity-type** <identity_type>
Identity type of the user to remove.

 - Options**
ldap | local | shib
- U, --username** <username>
Username of the user to remove.
- u, --user** <user>
ID of the user to remove.

6.1.7 users

Commands to manage users.

```
kadi-apy users [OPTIONS] COMMAND [ARGS]...
```

Options

--version

Print the version of this group and exit.

--commands

Print a list of all commands this group contains and exit.

get-users

Search for users.

```
kadi-apy users get-users [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-n, --per-page <per_page>

Number of results per page.

Default

10

-p, --page <page>

Page for search results.

Default

1

-f, --filter <filter>

To filter the users by their display name or username.

show-info

Show info of a user.

```
kadi-apy users show-info [OPTIONS]
```

Options

--version

Print the version of this command and exit.

--xmlhelp

Print the xmlhelp of this command and exit.

-V, --verbose <verbose>

Verbose level to define the amount of print output.

Default

info

Options

error | warning | info | debug

-I, --instance <instance>

Name of a Kadi instance defined in the config file.

-D, --identity-type <identity_type>

Identity type of the user

Options

ldap | local | shib

-U, --username <username>

Username of the user.

-u, --user <user>

ID of the user.

CLI LIBRARY

The Python CLI library is mainly useful to implement custom CLI commands. The provided functionality is usually less flexible in comparison with the regular Python library, but it also provides some built-in error handling and console output.

In general, its functionality can be used similarly to the regular Python library:

```
from kadi_apy import CLIKadiManager

manager = CLIKadiManager()

record = manager.record(id=1)
record.upload_file("/path/to/file.txt")
```

7.1 CLIKadiManager

class `kadi_apy.cli.core.CLIKadiManager`(*verbose=Verbose.INFO, **kwargs*)

Bases: `KadiManager`, `RaiseRequestErrorMixin`

Kadi Manager for the command line interface (CLI).

Parameters

- **instance** (*str, optional*) – The name of the instance to use in combination with a config file.
- **host** (*str, optional*) – Name of the host.
- **token** (*str, optional*) – Personal access token.
- **verify** (*bool, optional*) – Whether to verify the SSL/TLS certificate of the host.
- **timeout** (*float, optional*) – Timeout in seconds for the requests.
- **verbose** (*optional*) – Global verbose level to define the amount of prints.

property misc

Central entry point for miscellaneous functionality.

property search

Central entry point for search functionality.

record(*use_base_resource=False, **kwargs*)

Init a record to be used in a CLI.

Parameters

use_base_resource (*bool*) – Flag indicating if the base resource should be used.

Returns

The record of class Record or CLIRecord.

Return type

Record, CLIRecord

Raises

KadiAPYRequestError – If initializing the record was not successful.

collection(*use_base_resource=False, **kwargs*)

Init a collection to be used in a CLI.

Parameters

use_base_resource (*bool*) – Flag indicating if the base resource should be used.

Returns

The collection of class Collection or CLICollection.

Return type

Collection, CLICollection

Raises

KadiAPYRequestError – If initializing the collection was not successful.

template(*use_base_resource=False, **kwargs*)

Init a template to be used in a CLI.

Parameters

use_base_resource (*bool*) – Flag indicating if the base resource should be used.

Returns

The template of class Template or CLITemplate.

Return type

Template, CLITemplate

Raises

KadiAPYRequestError – If initializing the template was not successful.

group(*use_base_resource=False, **kwargs*)

Init a group to be used in a CLI.

Parameters

use_base_resource (*bool*) – Flag indicating if the base resource should be used.

Returns

The group of class Group or CLIGroup.

Return type

Group, CLIGroup

Raises

KadiAPYRequestError – If initializing the group was not successful.

user(*use_base_resource=False, **kwargs*)

Init a user to be used in a CLI.

Parameters

use_base_resource (*bool*) – Flag indicating if the base resource should be used.

Returns

The user of class `User` or `CLIUser`.

Return type

`User`, `CLIUser`

Raises

`KadiAPYRequestError` – If initializing the user was not successful.

`debug`(*text*, ***kwargs*)

Print text for debug level.

Parameters

- **`text`** – Text to be printed via `click.echo()`.
- **`**kwargs`** – Additional parameters for `click.echo()`.

Return type

`echo()`

`echo`(*text*, *verbose_level*, ***kwargs*)

Print text via `click.echo()` if global verbose level is reached.

Parameters

- **`text`** (*str*) – Text to be printed via `click.echo()`.
- **`verbose_level`** – Verbose level.
- **`**kwargs`** – Additional parameters for `click.echo()`.

`error`(*text*, ***kwargs*)

Print text for error level.

Parameters

- **`text`** – Text to be printed via `click.echo()`.
- **`**kwargs`** – Additional parameters for `click.echo()`.

Return type

`echo()`

`info`(*text*, ***kwargs*)

Print text for info level.

Parameters

- **`text`** – Text to be printed via `click.echo()`.
- **`**kwargs`** – Additional parameters for `click.echo()`.

Return type

`echo()`

`is_verbose`(*verbose_level=Verbose.INFO*)

Check the verbose level.

Parameters

`verbose_level` – Local verbose level of the function.

Returns

True if verbose level is reached, False otherwise.

Return type

`bool`

make_request(*endpoint*, *method*='get', ***kwargs*)

Low level functionality to perform a request.

This function can be used to use endpoints for which no own functions exist yet.

Parameters

- **endpoint** (*str*) – Endpoint to use for the request.
- **method** (*str*, *optional*) – Method to use for the request. Defaults to 'get'. Further possibilities are 'post', 'patch', 'put' and 'delete'.
- ****kwargs** – Additional parameters.

Raises

- ***KadiAPYInputError*** – If method is invalid.
- ***KadiAPYRequestError*** – If the server answered with a redirection.

property pat_user

Get the user related to the PAT.

Returns

The user.

Return type

User

raise_request_error(*response*)

Raise exception.

Parameters

response – The response.

Raises

KadiAPYRequestError – Error is raised since request was not successful.

warning(*text*, ***kwargs*)

Print text for warning level.

Parameters

- **text** – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

Return type

`echo()`

7.2 CLIRecord

`class kadi_apy.cli.lib.records.CLIRecord`(*pipe=False, title=None, create=False, exit_not_created=False, **kwargs*)

Bases: BasicCLIMixin, UserCLIMixin, GroupRoleCLIMixin, TagCLIMixin, DeleteItemCLIMixin, ExportCLIMixin, *Record*, RaiseRequestErrorMixin

Records class to be used in a CLI.

Parameters

- **manager** (*CLIKadiManager*) – Manager to use for all API requests.
- **id** (*int, optional*) – The ID of an existing resource.
- **identifier** (*str, optional*) – The unique identifier of a new or existing resource, which is only relevant if no ID was given. If present, the identifier will be used to check for an existing resource instead. If no existing resource could be found or the resource to check does not use a unique identifier, it will be used to create a new resource instead, together with the additional metadata.
- **skip_request** (*bool, optional*) – Flag to skip the initial request.
- **create** (*bool, optional*) – Flag to determine if a resource should be created in case a identifier is given and the resource does not exist.
- **pipe** (*bool, optional*) – Flag to indicate if only the id should be printed which can be used for piping.
- **title** (*str, optional*) – Title of the new resource.
- **exit_not_created** (*bool, optional*) – Flag to indicate if the function should exit with `sys.exit(1)` if the resource is not created.

`upload_file`(*file_name, file_description="", pattern=None, exclude_pattern=None, force=False*)

Upload files into a record using the CLI.

Parameters

- **file_name** (*str*) – The path to the file (incl. name of the file) or folder.
- **file_description** (*str, optional*) – The description of a single file.
- **pattern** (*str, optional*) – Pattern for selecting files matching certain pattern.
- **exclude_pattern** (*str, optional*) – Pattern for excluding files matching certain pattern.
- **force** (*bool, optional*) – Whether to replace an existing file with identical name.

Raises

KadiAPYRequestError – If request was not successful.

`upload_string_to_file`(*string, file_name, file_description="", force=False*)

Upload a string to save as a file in a record using the CLI.

Parameters

- **string** (*str*) – The string to save as a file.
- **file_name** (*str*) – The name under which the file should be stored.
- **file_description** (*str, optional*) – The description of the file.

- **force** (*bool*, *optional*) – Whether to replace an existing file with identical name.

Raises

KadiAPYRequestError – If request was not successful.

add_metadatum(*metadatum_new*, *force=False*)

Add a metadatum to a record using the CLI.

Parameters

- **metadatum_new** (*dict*) – The metadatum to add.
- **force** (*bool*) – Whether to overwrite the metadatum with the new value in case the metadatum already exists.

Raises

KadiAPYRequestError – If request was not successful.

add_metadata(*metadata=None*, *file=None*, *force=False*)

Add metadata with dict or a list of dicts as input using the CLI.

Either specify the metadata via a *file* to be read from or via *metadata*.

Parameters

- **metadata** (*dict*, *list*) – One or more metadata entries to add, either as dictionary or a list of dictionaries.
- **file** (*dict*, *list*) – File path to read the metadata from.
- **force** (*bool*) – Whether to overwrite existing metadata with identical name.

Raises

KadiAPYRequestError – If request was not successful.

get_file(*filepath*, *force=False*, *file_id=None*, *pattern=None*, *exclude_pattern=None*, *use_folder=False*, *pipe=False*)

Download one file, all files or files matching a pattern from a record using the CLI.

If a file ID is given, the specified file is download. Otherwise all files or all files matching the pattern are downloaded.

Parameters

- **filepath** (*str*) – The path to folder to store the file.
- **force** (*bool*, *optional*) – Whether to overwrite a file with identical name.
- **file_id** (*bool*, *optional*) – The file ID (UUID) of a file to download.
- **pattern** (*str*, *optional*) – Pattern for selecting files matching certain pattern.
- **exclude_pattern** (*str*, *optional*) – Pattern for selecting files matching certain pattern.
- **use_folder** (*bool*, *optional*) – Flag indicating if the a folder with the name of the records's identifier should be created within given *filepath*. The downloaded file(s) are stored in this folder.

Returns

A list of downloaded files with file path.

Type

list

Raises

KadiAPYRequestError – If request was not successful.

link_record(*record_to*, *name*, *term_iri=None*)

Add a record link to a record using the CLI.

Parameters

- **record_to** (*record*) – The record to link.
- **name** (*str*) – The name of the link.
- **term_iri** (*str*) – An IRI specifying an existing term that the link should represent.

Raises

KadiAPYRequestError – If request was not successful.

delete_record_link(*record_link_id*)

Delete a record link using the CLI.

Parameters

record_link_id (*int*) – The ID of the record link to delete. Attention: The record link ID is not the record ID.

Raises

KadiAPYRequestError – If request was not successful.

get_record_links(*page*, *per_page*, *direction*)

Print record links to another record using the CLI.

Parameters

- **page** (*int*) – Page of the search request.
- **per_page** (*int*) – Number of results per page.
- **direction** (*str*) – Specify whether to print incoming or outgoing links

Raises

KadiAPYRequestError – If request was not successful.

get_metadatum(*name*, *information='value'*, *pipe=False*)

Print information of a specific metadatum using the CLI.

Parameters

- **name** (*str* or *list*) – See *Record.get_metadatum()*.
- **information** (*str*, *optional*) – The information of the metadatum to print.
- **pipe** (*bool*) – Whether to only print the result for piping.

Raises

KadiAPYRequestError – If request was not successful.

edit_file(*file*, *name*, *mimetype*)

Edit the metadata of a file of a record using the CLI.

Parameters

- **file** (*str*) – The ID (UUID) of the file to edit.
- **name** (*str*) – The new name of the file.
- **mimetype** (*str*) – The new mimetype of the file.

Raises

KadiAPYRequestError – If request was not successful.

delete_file(*file_id*)

Delete a file of the record using the CLI.

Parameters

file_id (*str*) – The ID (UUID) of the file to delete.

Raises

KadiAPYRequestError – If request was not successful.

delete_files(*i_am_sure=False*)

Delete all files of a record using the CLI.

Parameters

i_am_sure (*bool*) – Flag which has to set to True to delete all files.

Raises

- *KadiAPYInputError* – If *i_am_sure* is not True.
- *KadiAPYRequestError* – If request was not successful.

remove_metadatum(*metadatum*)

Delete a metadatum of a record using the CLI.

Only first level metadata are supported (no nested types).

Parameters

metadatum (*str*) – The metadatum to remove.

Raises

KadiAPYRequestError – If request was not successful.

remove_all_metadata(*i_am_sure=False*)

Remove all metadata from a record.

Parameters

i_am_sure (*bool*) – Flag which has to set to True to remove all metadata.

Raises

KadiAPYRequestError – If request was not successful.

add_collection_link(*collection*)

Add a record to a collection using the CLI.

Parameters

collection (*Collection*) – The collection to which the record should be added.

Raises

KadiAPYRequestError – If request was not successful.

remove_collection_link(*collection*)

Remove a record from a collection using the CLI.

Parameters

collection (*Collection*) – The collection from which the record should be removed.

Raises

KadiAPYRequestError – If request was not successful.

update_record_link(*record_link_id*, *name*)

Update the name of a record link using the CLI.

Parameters

- **record_link_id** (*int*) – The ID of the record link to update. Attention: The record link ID is not the record ID.
- **name** (*str*) – The name of the link.

Raises

KadiAPYRequestError – If request was not successful.

print_info(*pipe=False*, ***kwargs*)

Print infos of a record using the CLI.

Parameters

****kwargs** (*dict*) – Specify additional infos to print.

Raises

KadiAPYRequestError: If request was not successful

add_group_role(*group*, *permission_new*)

Add a group role.

Parameters

- **group** (*Group*) – The group to add.
- **permission_new** (*str*) – Role of the group.

Raises

KadiAPYRequestError: If request was not successful.

add_tag(*tag*)

Add a tag using a CLI.

Parameters

tag (*str*) – The tag to add.

Raises

KadiAPYRequestError – If request was not successful.

add_user(*user*, *permission_new*)

Add a user.

Parameters

- **user** (*User*) – The user to add.
- **permission_new** (*str*) – Role of the user.

Raises

KadiAPYRequestError: If request was not successful.

change_group_role(*group_id*, *role_name*)

Change group role.

Parameters

- **group_id** (*int*) – The ID of the group whose role should be changed.
- **role_name** (*str*) – Name of the new role.

Returns

The response object.

change_user_role(*user_id*, *role_name*)

Change user role.

Parameters

- **user_id** (*int*) – The ID of the user whose role should be changed.
- **role_name** (*str*) – Name of the new role.

Returns

The response object.

check_metadatum(*metadatum*)

Check if a record has a certain metadatum.

Does currently not support metadata in nested types.

Parameters

metadatum (*str*) – The metadatum to check.

Returns

True if the metadatum exists, otherwise False.

Return type

bool

check_tag(*tag*)

Check if a certain tag is already present.

Parameters

tag (*str*) – The tag to check.

Returns

True if tag already exists, otherwise False.

Return type

bool

debug(*text*, ***kwargs*)

Print text for debug level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

delete(*i_am_sure*)

Delete the resource using a CLI.

Parameters

i_am_sure (*bool*) – Flag which has to set to True to delete the resource.

Raises

- **KadiAPYInputError** – If `i_am_sure` is not True.
- **KadiAPYRequestError** – If request was not successful.

download_all_files(*file_path*)

Download all files of a record as ZIP archive.

Parameters

file_path (*str*) – The full path to store the archive.

Returns

The response object.

download_file(*file_id*, *file_path*)

Download a file of a record.

Parameters

- **file_id** (*str*) – The file ID of the file to download.
- **file_path** (*str*) – The full path to store the file.

Returns

The response object.

edit(***kwargs*)

Edit the metadata of the resource.

Parameters

****kwargs** – The updated metadata of the resource.

Returns

The response object.

error(*text*, ***kwargs*)

Print text for error level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

export(*export_type*, *path*='.', *name*=None, *force*=False, *pipe*=False, *use_folder*=False, ***kwargs*)

Export the resource using a specific export type using the CLI.

Parameters

- **export_type** (*str*) – The export format.
- **path** (*str*, *optional*) – The path to store.
- **name** (*str*, *optional*) – The name of the file. The identifier is uses as default.
- **force** (*bool*, *optional*) – Whether to replace an existing file with identical name.
- **pipe** (*bool*, *optional*) – Flag to indicate if json should be piped.
- **use_folder** – Flag indicating if the a folder with the name of the resource's identifier should be created within given *path*. The exported file is stored in this folder.
- ****kwargs** (*dict*) – Additional parameters.

Raises

- **KadiAPYInputError** – If export type is invalid or if not json is used as input type together with pipe.
- **KadiAPYRequestError** – If request was not successful.

flatten_extras(*separator='.'*)

Create a list of flatted metadata.

Parameters

separator (*str*, *optional*) – A string for separating the metadata.

Returns

A list of flatted metadata.

Return type

list

get_collection_links(***params*)

Get collection links. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_file_id(*file_name*)

Get the file ID based on the file name.

Parameters

file_name (*str*) – Additional parameters.

Returns

The file ID (UUID).

Return type

str

Raises

KadiAPYInputError – If no file with the given name exists.

get_file_info(*file_id*)

Get information of a file based on the file_id.

Parameters

file_id (*str*) – The ID of the file.

Returns

The response object.

get_file_name(*file_id*)

Get file name from a given file ID.

Parameters

file_id – The ID of the file.

Returns

The name of the file.

Return type

str

Raises

KadiAPYInputError – If no file with the given file ID exists.

get_file_revision(*revision_id*, ***params*)

Get a specific file revision of a file in this record.

Parameters

- **revision_id** (*int*) – The revision ID of the file.
- ****params** – Additional parameters.

Returns

The response object.

get_file_revisions(***params*)

Get the file revisions of a file in this record.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_filelist(***params*)

Get the filelist. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_groups(***params*)

Get group roles from a record. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_number_files()

Get number of all files of a record.

Returns

The number of files.

Return type

int

Raises

KadiAPYRequestError – If request was not successful.

get_record_revision(*revision_id*, ***params*)

Get a specific revision of this record.

Parameters

- **revision_id** (*int*) – The revision ID of the record.
- ****params** – Additional parameters.

Returns

The response object.

get_record_revisions(params)**

Get the revisions of this record.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_tags()

Get tags.

Returns

A list of all tags.

Type

list

get_users(params)**

Get users from a record. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

has_file(file_name)

Check if file with the given name already exists.

Parameters

file_name (str) – The name of the file.

Returns

True if file already exists, otherwise False.

info(text, **kwargs)

Print text for info level.

Parameters

- **text (str)** – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

is_verbose(kwargs)**

Check the verbose level.

Returns

See `KadiManager.is_verbose()`.

property meta

Get all metadata of the resource.

In case the previous metadata was invalidated, either manually, after a timeout or due to another request, a request will be sent to retrieve the possibly updated metadata again.

Returns

The metadata of the resource.

Raises

`KadiAPYRequestError` – If requesting the metadata was not successful.

raise_request_error(*response*)

Raise exception.

Parameters

response – The response.

Raises

KadiAPYRequestError – Error is raised since request was not successful.

remove_group_role(*group*)

Remove a group role.

Parameters

group (**Group**) – The group to remove.

Raises

KadiAPYRequestError: If request was not successful.

remove_tag(*tag*)

Remove a tag using a CLI.

Parameters

tag (*str*) – The tag to remove.

Raises

KadiAPYRequestError – If request was not successful.

remove_user(*user*)

Remove a user.

Parameters

user (**User**) – The user to remove.

Raises

KadiAPYRequestError: If request was not successful.

set_attribute(***kwargs*)

Set attribute using a CLI.

Parameters

****kwargs** (*dict*) – Dict containing attributes to set.

Raises

KadiAPYRequestError – If request was not successful.

warning(*text*, ***kwargs*)

Print text for warning level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

7.3 CLICollection

```
class kadi_apy.cli.lib.collections.CLICollection(pipe=False, title=None, create=False,  
                                              exit_not_created=False, **kwargs)
```

Bases: BasicCLIMixin, UserCLIMixin, GroupRoleCLIMixin, TagCLIMixin, DeleteItemCLIMixin, ExportCLIMixin, *Collection*, RaiseRequestErrorMixin

Collection class to be used in a CLI.

Parameters

- **manager** (*CLIKadiManager*) – Manager to use for all API requests.
- **id** (*int*, *optional*) – The ID of an existing resource.
- **identifier** (*str*, *optional*) – The unique identifier of a new or existing resource, which is only relevant if no ID was given. If present, the identifier will be used to check for an existing resource instead. If no existing resource could be found or the resource to check does not use a unique identifier, it will be used to create a new resource instead, together with the additional metadata.
- **skip_request** (*bool*, *optional*) – Flag to skip the initial request.
- **create** (*bool*, *optional*) – Flag to determine if a resource should be created in case a identifier is given and the resource does not exist.
- **pipe** (*bool*, *optional*) – Flag to indicate if only the id should be printed which can be used for piping.
- **title** (*str*, *optional*) – Title of the new resource.
- **exit_not_created** (*bool*, *optional*) – Flag to indicate if the function should exit with `sys.exit(1)` if the resource is not created.

```
add_record_link(record_to)
```

Add a record to a collection using a CLI.

Parameters

record_to (*Record*) – The the record to add.

Raises

KadiAPYRequestError – If request was not successful.

```
remove_record_link(record)
```

Remove a record from a collection using a CLI.

Parameters

record (*Record*) – The record to remove.

Raises

KadiAPYRequestError – If request was not successful.

```
add_collection_link(child_collection)
```

Add a child collection to a parent collection using CLI.

Parameters

child_collection (*Collection*) – The child collection to which the parent collection should be added.

Raises

KadiAPYRequestError – If request was not successful.

remove_collection_link(*child_collection*)

Remove a child collection from a parent collection using CLI.

Parameters

child_collection (*Collection*) – The child collection to remove from the parent collection.

Raises

KadiAPYRequestError – If request was not successful.

print_info(*pipe=False, **kwargs*)

Print infos of a collection using the CLI.

Parameters

****kwargs** (*dict*) – Specify additional infos to print.

Raises

KadiAPYRequestError: If request was not successful

add_group_role(*group, permission_new*)

Add a group role.

Parameters

- **group** (*Group*) – The group to add.
- **permission_new** (*str*) – Role of the group.

Raises

KadiAPYRequestError: If request was not successful.

add_tag(*tag*)

Add a tag using a CLI.

Parameters

tag (*str*) – The tag to add.

Raises

KadiAPYRequestError – If request was not successful.

add_user(*user, permission_new*)

Add a user.

Parameters

- **user** (*User*) – The user to add.
- **permission_new** (*str*) – Role of the user.

Raises

KadiAPYRequestError: If request was not successful.

change_group_role(*group_id, role_name*)

Change group role.

Parameters

- **group_id** (*int*) – The ID of the group whose role should be changed.
- **role_name** (*str*) – Name of the new role.

Returns

The response object.

change_user_role(*user_id*, *role_name*)

Change user role.

Parameters

- **user_id** (*int*) – The ID of the user whose role should be changed.
- **role_name** (*str*) – Name of the new role.

Returns

The response object.

check_tag(*tag*)

Check if a certain tag is already present.

Parameters

tag (*str*) – The tag to check.

Returns

True if tag already exists, otherwise False.

Return type

bool

debug(*text*, ***kwargs*)

Print text for debug level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

delete(*i_am_sure*)

Delete the resource using a CLI.

Parameters

i_am_sure (*bool*) – Flag which has to set to True to delete the resource.

Raises

- **KadiAPYInputError** – If `i_am_sure` is not True.
- **KadiAPYRequestError** – If request was not successful.

edit(***kwargs*)

Edit the metadata of the resource.

Parameters

****kwargs** – The updated metadata of the resource.

Returns

The response object.

error(*text*, ***kwargs*)

Print text for error level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

export(*export_type*, *path*='.', *name*=None, *force*=False, *pipe*=False, *use_folder*=False, ***kwargs*)

Export the resource using a specific export type using the CLI.

Parameters

- **export_type** (*str*) – The export format.
- **path** (*str*, *optional*) – The path to store.
- **name** (*str*, *optional*) – The name of the file. The identifier is uses as default.
- **force** (*bool*, *optional*) – Whether to replace an existing file with identical name.
- **pipe** (*bool*, *optional*) – Flag to indicate if json should be piped.
- **use_folder** – Flag indicating if the a folder with the name of the resource’s identifier should be created within given *path*. The exported file is stored in this folder.
- ****kwargs** (*dict*) – Additional parameters.

Raises

- **KadiAPYInputError** – If export type is invalid or if not json is used as input type together with pipe.
- **KadiAPYRequestError** – If request was not successful.

get_collection_revision(*revision_id*, ***params*)

Get a specific revision of this collection.

Parameters

- **revision_id** (*int*) – The revision ID of the collection.
- ****params** – Additional parameters.

Returns

The response object.

get_collection_revisions(***params*)

Get the revisions of this collection.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_collections(***params*)

Get collections linked with a collection id.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_groups(***params*)

Get group roles from a collection. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_records(params)**

Get records from a collection. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_tags()

Get tags.

Returns

A list of all tags.

Type

list

get_users(params)**

Get user of a collection. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

info(text, **kwargs)

Print text for info level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

is_verbose(kwargs)**

Check the verbose level.

Returns

See `KadiManager.is_verbose()`.

property meta

Get all metadata of the resource.

In case the previous metadata was invalidated, either manually, after a timeout or due to another request, a request will be sent to retrieve the possibly updated metadata again.

Returns

The metadata of the resource.

Raises

`KadiAPYRequestError` – If requesting the metadata was not successful.

raise_request_error(response)

Raise exception.

Parameters

response – The response.

Raises

`KadiAPYRequestError` – Error is raised since request was not successful.

remove_group_role(*group*)

Remove a group role.

Parameters

group (*Group*) – The group to remove.

Raises

KadiAPYRequestError: If request was not successful.

remove_tag(*tag*)

Remove a tag using a CLI.

Parameters

tag (*str*) – The tag to remove.

Raises

KadiAPYRequestError – If request was not successful.

remove_user(*user*)

Remove a user.

Parameters

user (*User*) – The user to remove.

Raises

KadiAPYRequestError: If request was not successful.

set_attribute(***kwargs*)

Set attribute using a CLI.

Parameters

****kwargs** (*dict*) – Dict containing attributes to set.

Raises

KadiAPYRequestError – If request was not successful.

warning(*text*, ***kwargs*)

Print text for warning level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

7.4 CLITemplate

```
class kadi_apy.cli.lib.templates.CLITemplate(pipe=False, title=None, create=False,
                                             exit_not_created=False, **kwargs)
```

Bases: `BasicCLIMixin`, `DeleteItemCLIMixin`, `ExportCLIMixin`, `UserCLIMixin`, `GroupRoleCLIMixin`, `Template`, `RaiseRequestErrorMixin`

Template class to be used in a CLI.

Parameters

- **manager** (`CLIKadiManager`) – Manager to use for all API requests.
- **type** (*str*) – Type of the template. Can either be `record` or `extras`.

- **data** – Dict in case of a record template or a list in case of a extras template containing the content for the template.
- **id** (*int*, *optional*) – The ID of an existing resource.
- **identifier** (*str*, *optional*) – The unique identifier of a new or existing resource, which is only relevant if no ID was given. If present, the identifier will be used to check for an existing resource instead. If no existing resource could be found or the resource to check does not use a unique identifier, it will be used to create a new resource instead, together with the additional metadata.
- **skip_request** (*bool*, *optional*) – Flag to skip the initial request.
- **create** (*bool*, *optional*) – Flag to determine if a resource should be created in case a identifier is given and the resource does not exist.
- **pipe** (*bool*, *optional*) – Flag to indicate if only the id should be printed which can be used for piping.
- **title** (*str*, *optional*) – Title of the new resource.
- **exit_not_created** (*bool*, *optional*) – Flag to indicate if the function should exit with `sys.exit(1)` if the resource is not created.

add_group_role(*group*, *permission_new*)

Add a group role.

Parameters

- **group** (*Group*) – The group to add.
- **permission_new** (*str*) – Role of the group.

Raises

KadiAPYRequestError: If request was not successful.

add_user(*user*, *permission_new*)

Add a user.

Parameters

- **user** (*User*) – The user to add.
- **permission_new** (*str*) – Role of the user.

Raises

KadiAPYRequestError: If request was not successful.

change_group_role(*group_id*, *role_name*)

Change group role.

Parameters

- **group_id** (*int*) – The ID of the group whose role should be changed.
- **role_name** (*str*) – Name of the new role.

Returns

The response object.

change_user_role(*user_id*, *role_name*)

Change user role.

Parameters

- **user_id** (*int*) – The ID of the user whose role should be changed.
- **role_name** (*str*) – Name of the new role.

Returns

The response object.

debug(*text*, ***kwargs*)

Print text for debug level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

delete(*i_am_sure*)

Delete the resource using a CLI.

Parameters

i_am_sure (*bool*) – Flag which has to set to True to delete the resource.

Raises

- **KadiAPYInputError** – If *i_am_sure* is not True.
- **KadiAPYRequestError** – If request was not successful.

edit(***kwargs*)

Edit the metadata of the resource.

Parameters

****kwargs** – The updated metadata of the resource.

Returns

The response object.

error(*text*, ***kwargs*)

Print text for error level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

export(*export_type*, *path='.'*, *name=None*, *force=False*, *pipe=False*, *use_folder=False*, ***kwargs*)

Export the resource using a specific export type using the CLI.

Parameters

- **export_type** (*str*) – The export format.
- **path** (*str*, *optional*) – The path to store.
- **name** (*str*, *optional*) – The name of the file. The identifier is uses as default.
- **force** (*bool*, *optional*) – Whether to replace an existing file with identical name.
- **pipe** (*bool*, *optional*) – Flag to indicate if json should be piped.
- **use_folder** – Flag indicating if the a folder with the name of the resource's identifier should be created within given *path*. The exported file is stored in this folder.
- ****kwargs** (*dict*) – Additional parameters.

Raises

- ***KadiAPYInputError*** – If export type is invalid or if not json is used as input type together with pipe.
- ***KadiAPYRequestError*** – If request was not successful.

get_groups(***params*)

Get group roles from a template. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_template_revision(*revision_id*, ***params*)

Get a specific revision of this template.

Parameters

- **revision_id** (*int*) – The revision ID of the template.
- ****params** – Additional parameters.

Returns

The response object.

get_template_revisions(***params*)

Get the revisions of this template.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_users(***params*)

Get users from a template. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

info(*text*, ***kwargs*)

Print text for info level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

is_verbose(***kwargs*)

Check the verbose level.

Returns

See `KadiManager.is_verbose()`.

property meta

Get all metadata of the resource.

In case the previous metadata was invalidated, either manually, after a timeout or due to another request, a request will be sent to retrieve the possibly updated metadata again.

Returns

The metadata of the resource.

Raises

KadiAPYRequestError – If requesting the metadata was not successful.

print_info(*pipe=False, **kwargs*)

Print infos using a CLI.

Parameters

****kwargs** (*dict*) – Specify additional infos to print.

Raises

KadiAPYRequestError – If request was not successful.

raise_request_error(*response*)

Raise exception.

Parameters

response – The response.

Raises

KadiAPYRequestError – Error is raised since request was not successful.

remove_group_role(*group*)

Remove a group role.

Parameters

group (*Group*) – The group to remove.

Raises

KadiAPYRequestError: If request was not successful.

remove_user(*user*)

Remove a user.

Parameters

user (*User*) – The user to remove.

Raises

KadiAPYRequestError: If request was not successful.

set_attribute(***kwargs*)

Set attribute using a CLI.

Parameters

****kwargs** (*dict*) – Dict containing attributes to set.

Raises

KadiAPYRequestError – If request was not successful.

warning(*text, **kwargs*)

Print text for warning level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

7.5 CLIGroup

`class kadi_apy.cli.lib.groups.CLIGroup`(*pipe=False, title=None, create=False, exit_not_created=False, **kwargs*)

Bases: BasicCLIMixin, UserCLIMixin, DeleteItemCLIMixin, [Group](#), RaiseRequestErrorMixin

Group class to be used in a CLI.

Parameters

- **manager** ([CLIKadiManager](#)) – Manager to use for all API requests.
- **id** (*int, optional*) – The ID of an existing resource.
- **identifier** (*str, optional*) – The unique identifier of a new or existing resource, which is only relevant if no ID was given. If present, the identifier will be used to check for an existing resource instead. If no existing resource could be found or the resource to check does not use a unique identifier, it will be used to create a new resource instead, together with the additional metadata.
- **skip_request** (*bool, optional*) – Flag to skip the initial request.
- **create** (*bool, optional*) – Flag to determine if a resource should be created in case a identifier is given and the resource does not exist.
- **pipe** (*bool, optional*) – Flag to indicate if only the id should be printed which can be used for piping.
- **title** (*str, optional*) – Title of the new resource.
- **exit_not_created** (*bool, optional*) – Flag to indicate if the function should exit with `sys.exit(1)` if the resource is not created.

`add_user`(*user, permission_new*)

Add a user.

Parameters

- **user** ([User](#)) – The user to add.
- **permission_new** (*str*) – Role of the user.

Raises

[KadiAPYRequestError](#): If request was not successful.

`change_user_role`(*user_id, role_name*)

Change role of a user.

Parameters

- **user_id** (*int*) – The ID of the user whose role should be changed.
- **role_name** (*str*) – Name of the new role.

Returns

The response object.

`debug`(*text, **kwargs*)

Print text for debug level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.

- ****kwargs** – Additional parameters for `click.echo()`.

delete(*i_am_sure*)

Delete the resource using a CLI.

Parameters

- **i_am_sure** (*bool*) – Flag which has to set to `True` to delete the resource.

Raises

- **KadiAPYInputError** – If `i_am_sure` is not `True`.
- **KadiAPYRequestError** – If request was not successful.

edit(****kwargs**)

Edit the metadata of the resource.

Parameters

- ****kwargs** – The updated metadata of the resource.

Returns

The response object.

error(*text*, ****kwargs**)

Print text for error level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

get_collections(****params**)

Get collections shared with a group. Supports pagination.

Parameters

- ****params** – Additional parameters.

Returns

The response object.

get_group_revision(*revision_id*, ****params**)

Get a specific revision from this group.

Parameters

- **revision_id** (*int*) – The revision ID of the group.
- ****params** – Additional parameters.

Returns

The response object.

get_group_revisions(****params**)

Get the revisions of this group.

Parameters

- ****params** – Additional parameters.

Returns

The response object.

get_records(params)**

Get records shared with a group. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_templates(params)**

Get templates shared with a group. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

get_users(params)**

Get users of a group. Supports pagination.

Parameters

****params** – Additional parameters.

Returns

The response object.

info(text, **kwargs)

Print text for info level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

is_verbose(kwargs)**

Check the verbose level.

Returns

See `KadiManager.is_verbose()`.

property meta

Get all metadata of the resource.

In case the previous metadata was invalidated, either manually, after a timeout or due to another request, a request will be sent to retrieve the possibly updated metadata again.

Returns

The metadata of the resource.

Raises

KadiAPYRequestError – If requesting the metadata was not successful.

print_info(pipe=False, **kwargs)

Print infos using a CLI.

Parameters

****kwargs** (*dict*) – Specify additional infos to print.

Raises

KadiAPYRequestError – If request was not successful.

raise_request_error(*response*)

Raise exception.

Parameters

response – The response.

Raises

KadiAPYRequestError – Error is raised since request was not successful.

remove_user(*user*)

Remove a user.

Parameters

user (*User*) – The user to remove.

Raises

KadiAPYRequestError: If request was not successful.

set_attribute(***kwargs*)

Set attribute using a CLI.

Parameters

****kwargs** (*dict*) – Dict containing attributes to set.

Raises

KadiAPYRequestError – If request was not successful.

warning(*text, **kwargs*)

Print text for warning level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

7.6 CLIUser

class `kadi_apy.cli.lib.users.CLIUser`(*manager, id=None, username=None, identity_type=None, use_pat=False*)

Bases: *User*, *RaiseRequestErrorMixin*

User class to be used in a CLI.

A user can either be clearly identified via its id or the combination of username and identity type.

Parameters

- **manager** (*CLIManager*) – Manager to use for all API requests.
- **id** (*int, optional*) – The ID of an existing user.
- **username** (*str, optional*) – The username.
- **identity_type** (*str, optional*) – The identity type of the user.
- **use_pat** (*bool, optional*) – Flag to indicate that the pat stored in the *CLIKadiManager* should be used for instantiating the user.

Raises

KadiAPYRequestError – If retrieving the user was not successful.

print_info()

Print user infos using a CLI.

debug(*text*, ***kwargs*)

Print text for debug level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

error(*text*, ***kwargs*)

Print text for error level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

info(*text*, ***kwargs*)

Print text for info level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

is_verbose(***kwargs*)

Check the verbose level.

Returns

See `KadiManager.is_verbose()`.

property meta

Get all metadata of the resource.

In case the previous metadata was invalidated, either manually, after a timeout or due to another request, a request will be sent to retrieve the possibly updated metadata again.

Returns

The metadata of the resource.

Raises

KadiAPYRequestError – If requesting the metadata was not successful.

raise_request_error(*response*)

Raise exception.

Parameters

response – The response.

Raises

KadiAPYRequestError – Error is raised since request was not successful.

warning(*text*, ***kwargs*)

Print text for warning level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

7.7 CLIMiscellaneous

`class kadi_apy.cli.lib.misc.CLIMiscellaneous(manager)`

Bases: *Miscellaneous*, *RaiseRequestErrorMixin*

Model to handle miscellaneous functionality.

Parameters

manager (*CLIKadiManager*) – Manager to use for all API requests.

`get_deleted_resources(**params)`

Get a list of deleted resources in the trash using the CLI.

Supports pagination.

Parameters

****params** – Additional parameters.

Raises

KadiAPYRequestError – If request was not successful.

`restore(item, item_id)`

Restore an item from the trash using the CLI.

Parameters

- **item** – The resource type defined as class.
- **item_id** (*int*) – The ID of the item to restore.

Raises

KadiAPYRequestError – If request was not successful.

`purge(item, item_id)`

Purge an item from the trash using the CLI.

Parameters

- **item** – The resource type defined as class or string.
- **item_id** (*int*) – The ID of the item to restore.

Raises

KadiAPYRequestError – If request was not successful.

`get_licenses(**params)`

Get a list of available licenses using the CLI.

Parameters

****params** – Additional parameters.

Raises

KadiAPYRequestError – If request was not successful.

`get_kadi_info(manager)`

Print information about the Kadi instance and the config file.

Parameters

manager (*KadiManager*, *CLIKadiManager*) – Used Manager.

Raises

KadiAPYRequestError – If request was not successful.

get_roles(*item_type=None*)

Get a list of all possible roles.

Print all possible roles and corresponding permissions of all resources or of one resource.

Parameters

item_type (*str*, *optional*) – Type of resource for printing roles and permissions.

Raises

KadiAPYRequestError – If request was not successful.

get_tags(***params*)

Get a list of all available tags using the CLI.

Parameters

****params** – Additional parameters.

Raises

KadiAPYRequestError – If request was not successful.

debug(*text*, ***kwargs*)

Print text for debug level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

error(*text*, ***kwargs*)

Print text for error level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

import_eln(*file_path*)

Import an RO-Crate file following the “ELN” file specification.

Parameters

file_path (*str*) – The path of the file.

Raises

- **KadiAPYInputError** – If the structure of the RO-Crate is not valid.
- **KadiAPYRequestError** – If any request was not successful while importing the data and metadata.

info(*text*, ***kwargs*)

Print text for info level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

is_verbose(***kwargs*)

Check the verbose level.

Returns

See `KadiManager.is_verbose()`.

raise_request_error(*response*)

Raise exception.

Parameters

response – The response.

Raises

KadiAPYRequestError – Error is raised since request was not successful.

warning(*text*, ****kwargs**)

Print text for warning level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

7.8 CLISearch

class `kadi_apy.cli.search.CLISearch`(*manager*)

Bases: `Search`, `RaiseRequestErrorMixin`

Search class to be used in a CLI.

Parameters

manager (`CLIKadiManager`) – Manager to use for all API requests.

search_resources(*item*, *user=None*, *use_my_user_id=False*, ****params**)

Search for resources.

Parameters

- **item** – The resource type defined either as string or class.
- **user** (*int*) – ID of the user whose items are to be searched for.
- **use_my_user_id** (*bool*) – Flag indicating if only the records corresponding to the used PAT are to be searched for.
- ****params** – Additional parameters for the search.

Raises

KadiAPYInputError – If both a user ID is given and the flag `use_my_user_id` is `True`.

search_resource_ids(*item*, *pipe=False*, *i_am_sure=False*, ****params**)

Search for resource ids.

Parameters

- **item** – The resource type defined either as string or class.
- **pipe** (*bool*) – If the results should be printed in form of a tokenlist for piping.
- **i_am_sure** (*bool*) – If the search results in more than 1000 results, this flag has to be activated to search for all results.
- ****params** – Additional parameters for the search.

Returns

A list of ids found.

Return type

list

Raises

KadiAPYConfigurationError – If more than 1000 results are found and the flag 'i_am_sure' is not set to true.

search_users(***params*)

Search for users.

Parameters

*****params*** – Additional parameters.

Returns

The response object.

debug(*text, **kwargs*)

Print text for debug level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- *****kwargs*** – Additional parameters for `click.echo()`.

error(*text, **kwargs*)

Print text for error level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- *****kwargs*** – Additional parameters for `click.echo()`.

info(*text, **kwargs*)

Print text for info level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- *****kwargs*** – Additional parameters for `click.echo()`.

is_verbose(***kwargs*)

Check the verbose level.

Returns

See `KadiManager.is_verbose()`.

raise_request_error(*response*)

Raise exception.

Parameters

response – The response.

Raises

KadiAPYRequestError – Error is raised since request was not successful.

search_user_resources(*item, user, **params*)

Search for resources of users.

Parameters

- **item** – The resource type defined either as string or class.

- **user** – ID of the user whose items are to be searched for.
- ****params** – Additional parameters.

Returns

The response object.

warning(*text*, ***kwargs*)

Print text for warning level.

Parameters

- **text** (*str*) – Text to be printed via `click.echo()`.
- ****kwargs** – Additional parameters for `click.echo()`.

7.9 Decorators

`kadi_apy.cli.decorators.apy_command`(*use_kadi_manager=False*)

Decorator to handle the default arguments and exceptions of an APY command.

This function inits the *KadiManager* or *CLIKadiManager* and includes it as manager to ***kwargs*. It adds the options `instance` and `verbose` to the CLI tool.

Parameters

use_kadi_manager (*bool*, *optional*) – Flag to use the *KadiManager* instead of the *CLIKadiManager*.

`kadi_apy.cli.decorators.id_identifier_options`(*class_type*, *keep_manager=False*, *helptext=None*, *name=None*, *required=True*, *char=None*, *allow_tokenlist=False*, *tokenlist_name=None*, *tokenlist_char='T'*)

Decorator to handle the common ID and identifier options of commands.

This function inits a resource and includes it to ***kwargs*. It adds the options to read the ID or the identifier of the resource to the CLI tool.

Parameters

- **class_type** – The resource type defined either as string or class.
- **keep_manager** (*bool*, *optional*) – Whether to keep the manager for further use.
- **helptext** (*str*, *optional*) – Text to describe the input.
- **name** (*str*, *optional*) – Name to better describe the input.
- **required** (*bool*, *optional*) – Whether the parameter is required.
- **char** (*str*, *optional*) – Char for the options.
- **allow_tokenlist** (*bool*, *optional*) – Flag indicating if a tokenlist should be an option for input. If True the manager is passed to the function even if `keep_manager` is False.
- **tokenlist_name** (*str*, *optional*) – Name of the tokenlist.
- **tokenlist_char** (*str*, *optional*) – Char for the tokenlist.

`kadi_apy.cli.decorators.user_id_options`(*helptext=None, required=True, keep_manager=False*)

Decorator to handle options to identify a user.

This function inits a `CLIUser` and includes it to `**kwargs`. It adds the options to read the user ID, username and identity-type to the CLI tool.

Parameters

- **helptext** (*str, optional*) – Text to describe the input.
- **keep_manager** (*bool, optional*) – Whether to keep the manager for further use.
- **required** (*bool, optional*) – Whether to init the user is required.

`kadi_apy.cli.decorators.file_id_options`(*helptext=None, required=True, name=None, char=None*)

Decorator to handle options to identify a file of a record.

Parameters

- **helptext** (*str, optional*) – Text to describe the input.
- **required** (*bool, optional*) – Whether to init the file is required.
- **name** (*str, optional*) – Name to better describe the input.
- **char** (*str, optional*) – Char for the options.

`kadi_apy.cli.decorators.search_pagination_options`(*description_page=None*)

Decorator to add two parameters for the search.

Parameters

- **description_page** (*str, optional*) – Description of the page option.

The library can be used by via Python or via a command line interface (CLI). Additionally, various functionality exists to implement custom CLI commands (CLI Library). Please also see the different [example files](#) in the code repository.

RELEASE HISTORY

8.1 0.34.0 (2023-10-25)

Additions

- Added new CLI commands `add_collection_link` and `remove_collection_link` in collections to link and remove a child collection to/from a parent collection.
- Added new CLI commands `add_collection_link` and `remove_collection_link` in records to link and remove a record to/from a collection.

Changes

- Changed the RO-Crate import to not require a publisher entity anymore.

Fixes

- Fixed the direct upload functionality to honor the Force parameter instead of always replacing files.

8.2 0.33.0 (2023-10-04)

Additions

- Added new CLI commands `add_user`, `remove_user`, `add_group_role` and `remove_group_role` for templates.
- Added additional handling when importing RO-Crate files exported via Kadi4Mat.
- Removed the `__version__` attribute in favor of using `importlib.metadata.version("kadi-apy")`.
- Added support for Python 3.12.

8.3 0.32.0 (2023-08-29)

- Adjusted use of the `displayname` attribute of user identities according to API changes in Kadi4Mat version 0.40.0.
- Added a `term_iri` parameter to specify IRI of an existing term for record link functions in both library and CLI.
- Exposed additional constants as well as all exceptions as part of the main package.

8.4 0.31.0 (2023-07-18)

- Changed the `add_tag` library method to always return a response object.
- Redirects won't be followed automatically anymore, since the Authorization header containing the access token would be stripped away anyways. If a redirect is detected now, a corresponding exception will be thrown to alert about the necessary code/configuration change.
- Removed support for Python 3.7.

8.5 0.30.0 (2023-06-14)

- Added support for Python 3.11.

8.6 0.29.0 (2023-05-30)

- Added an `import_eln` method to the miscellaneous library functionality for importing RO-Crate files following the “ELN” file specification.
- Removed the `pat_user_id` property of the manager class, since it can already be retrieved using `pat_user`.
- Renamed the `miscellaneous` command group to just `misc`.
- Refactored the search functionality of the library. All methods are now provided as part of a single class usable via the `KadiManager.search` property. Additionally, the methods `search_items` and `search_items_user` have been renamed to `search_resources` and `search_user_resources`, respectively.
- Added a general `misc import-file` command to import files.

8.7 0.28.1 (2023-05-16)

- Fixed response data not being streamed when potentially exporting large amounts of data, such as RO-Crates.

8.8 0.28.0 (2023-04-19)

- Fixed the creation of templates not working via the corresponding CLI command.
- Added the `rdf` export type to the corresponding CLI commands of records and collections.

8.9 0.27.0 (2023-03-14)

- Made the methods and commands to add metadata more robust in regards to the expected metadata structure.
- The full error response payload is now printed in CLI commands when using the `debug verbose` level.
- Added a `get_collections` function to retrieve collections linked with a collection id.
- Added a `add_collection_link` function to link a child collection to a parent collection.
- Added a `remove_collection_link` function to remove a child connection linked to a parent collection.

- Added a `download_all_files` method to download all the files in a record as a ZIP archive
- Added methods to query revisions of all the resources.

8.10 0.26.0 (2023-01-09)

- Added a `file_description` parameter for file upload functions in both library and CLI.
- Improved the `upload_file` method for uploading smaller files without the need for chunking.
- Added the `ro-crate` export type to the corresponding CLI commands of records and collections.

8.11 0.25.0 (2022-10-14)

- Improved the `get_metadatum` methods for records to retrieve nested metadata, which also now works in the corresponding CLI command.
- The record library version of `get_metadatum` does not use the `information` parameter anymore and returns `None` in case the requested metadatum was not found.
- Added functionality to retrieve templates shared with a group via the library.
- Added functionality to manage user and group roles of templates via the library.
- Added functionality to retrieve group roles of all resources via the library.

8.12 0.24.0 (2022-08-22)

- Fixed retrieval of deleted resources via the CLI.
- Fixed usage of some CLI related classes outside of builtin commands.
- Fixed purging of some resource types via the CLI.
- Deleted templates can now be purged and restored via the CLI.
- Added functionality to export templates.
- All export functions and commands now default to the JSON export type.

8.13 0.23.0 (2022-04-27)

- Added a `license` option to the `records edit` CLI subcommand.
- Removed support for Python 3.6.

8.14 0.22.0 (2022-03-07)

- The unit does not have to be specified in the dict using the `add_metadata` function within the CLI/lib.

8.15 0.21.0 (2022-01-17)

- Removed the `click_completion` dependency. Autocompletion is now only supported for bash, fish and zsh.
- Fixed the export function via using the correct parameter.
- Added handling of the `ConnectionError`.
- Allow the `search_pagination_options` decorator to set an user-specific description for the option page.
- Refactoring of the record linkage, as the check for identical links is already carried out in Kadi.
- Refactoring of the export function. The file is now already stored using the export function defined in the lib part.
- Add an example if metadata have not the right input format when using the `add_metadata` (CLI) function.

8.16 0.20.0 (2021-11-26)

- Added support for new collaborator role.
- Added exclude options and a query parameter in the `get-records` and `get-collections` CLI commands.
- Added utility function to create identifier from arbitrary string input.

8.17 0.19.0 (2021-11-24)

- Increased the upload speed of small files.
- Add option to pipe a list of downloaded files as tokenlist.
- Relaxed required Python version again.
- Add functions to use the `GET /api/tags` endpoint.

8.18 0.18.0 (2021-11-05)

- Include functions to export a collection.
- Changed default separator in `search_resource_ids` to `,.`
- Add option so search records in child collections.
- Include option to work with tokenlists.

8.19 0.17.1 (2021-11-04)

- Added feature to export a record to a folder based on the identifier.

8.20 0.17.0 (2021-11-04)

- Include methods using the export endpoint.
- Improve usability of config add-instance.
- Use of more mixin classes in the CLI lib.
- Add AUTHORS.md.
- Add the GET /api/roles endpoint.
- Add CLI function to edit basic metadata of a template.
- Replaced hide-public with visibility parameter.
- Refactoring the use of raise_request_error().
- Renamed all replace keywords to force.
- Added a get_metadatum method to the lib record.
- Added functions to update a record link (name).
- Added options to use a tokenlist in the search.
- Take into account corner case if only a scope to create a resource is given.
- Make get_metadatum work with nested types.

8.21 0.16.0 (2021-07-14)

- Include search function which returns a list of ids.
- Include CLI tools to search for record and collection ids.

8.22 0.15.0 (2021-06-24)

- Add factory methods for base functions into CLIKadiManager.
- Do not validate metadatum if value is None.

8.23 0.14.0 (2021-06-17)

- Improve documentation.

8.24 0.13.0 (2021-06-08)

- Add option to store record files in a folder based on the record's identifier.
- Add basic validation for host input.
- Add more CLI config tools.

8.25 0.12.0 (2021-06-01)

- Doc improvements.
- Add option to use the KadiManager via the '@apy_command' decorator.

8.26 0.11.1 (2021-05-18)

- Smaller refactoring in docs.
- Fix bash example script.
- Show also username in user search.
- Set identity type to required in case of specifying user via username.

8.27 0.11.0 (2021-05-11)

- Include docs.
- Refactor verbose.
- Introduce a CLIKadiManager.

8.28 0.10.0 (2021-04-29)

- Update README.md.
- Changed two required arguments of `upload_file` method of `CLIRecord` class to optional.
- Include verbose level to manage the amount of print outputs.

8.29 0.9.1 (2021-04-23)

- Add pypi deploy runner.

8.30 0.9.0 (2021-04-22)

- Add CLI tools to configure the config file.
- Move `get-kadi-info` from CLI group `miscellaneous` to `config`.

8.31 0.8.0 (2021-04-12)

- Add default value in records `get-metadatum`.
- Add `get_file_info` function for records.
- Return list of downloaded file(s) in `get_file`
- Add experimental CLI tool to download and execute a workflow.
- Add CLI tool `kadi-apy miscellaneous get-kadi-info`.
- Exit with error code 1 during uploading a file in case the file already exists and should not be replaced.

8.32 0.7.0 (2021-03-24)

- Add `exit-not-created` flag to CLI create tools.
- Fix order in which `_meta` is invalidated.
- Add option to download only those files from record matching pattern.
- Add char options for decorator to define options of files and resources.
- Add CLI tool `add-string-as-file`.

8.33 0.6.0 (2021-02-26)

- Add option to use certificates from `ca_bundle`.
- Add option skip the initial request.

8.34 0.5.0 (2021-02-24)

- Include a config file to store the information about host and PAT.
- Added timeout config option.
- Add autocompletion.

8.35 0.4.1 (2021-02-02)

- Include the `--version` output.
- Add handling for missing schema exception.
- Unify the behavior of decorators if information is not required.
- Add `--xmlhelp` runner

8.36 0.4.0 (2021-01-22)

- Add option to hide public resources in the CLI search.
- Functions to handle miscellaneous (license search, remove item from trash).
- Add function to remove all metadata from a record.

8.37 0.3.3 (2021-01-14)

- Smaller cleanups.

8.38 0.3.2 (2021-01-14)

- Include missing `__init__.py`.

8.39 0.3.1 (2021-01-14)

- Include `xmlhelpy` import from `pypi`.

8.40 0.3.0 (2021-01-14)

- Include definition of public api.
- Integration of `--xmlhelp` option to all CLI tools.
- Definition of CLI classes which can be used in additions tools.
- Print more infos when using the CLI.
- Various refactoring.

8.41 0.2.3 (2020-10-23)

- Fix for specifying PAT and host directly in certain cli commands.

8.42 0.2.2 (2020-10-23)

- Raise exception instead of `sys.exit(1)` for cli functions.

8.43 0.2.1 (2020-10-05)

- Update examples.

8.44 0.2.0 (2020-10-02)

- Work with identifiers for items.

8.45 0.1.2 (2020-09-25)

- Include group roles for records and collections.
- Add option to skip ssl/tls cert verification.

8.46 0.1.1 (2020-09-21)

- Improved printing for updated metadata.
- Smaller improvements.

8.47 0.1.0 (2020-09-09)

- Most API endpoints for managing records, collections and groups, as well as some others, are usable directly through the library.
- Most of that functionality is also exposed via CLI by using the kadi-apy command.

PYTHON MODULE INDEX

k

[kadi_apy.cli.decorators](#), 147

[kadi_apy.lib.exceptions](#), 42

Symbols

- C
 - kadi-apy-collections-add-collection-link
command line option, 44
 - kadi-apy-collections-add-group-role
command line option, 45
 - kadi-apy-collections-add-record-link
command line option, 46
 - kadi-apy-collections-add-tag command
line option, 47
 - kadi-apy-collections-add-user command
line option, 47
 - kadi-apy-collections-delete command
line option, 49
 - kadi-apy-collections-edit command line
option, 50
 - kadi-apy-collections-export command
line option, 51
 - kadi-apy-collections-remove-collection-link
command line option, 54
 - kadi-apy-collections-remove-group-role
command line option, 55
 - kadi-apy-collections-remove-record-link
command line option, 56
 - kadi-apy-collections-remove-tag command
line option, 56
 - kadi-apy-collections-remove-user
command line option, 57
 - kadi-apy-collections-show-info command
line option, 58
 - kadi-apy-records-add-collection-link
command line option, 75
 - kadi-apy-records-get-record-ids command
line option, 93
 - kadi-apy-records-get-records command
line option, 94
 - kadi-apy-records-remove-collection-link
command line option, 96
- D
 - kadi-apy-collections-add-user command
line option, 47
 - kadi-apy-collections-get-collections
command line option, 53
 - kadi-apy-collections-remove-user
command line option, 57
 - kadi-apy-groups-add-user command line
option, 63
 - kadi-apy-groups-get-groups command line
option, 67
 - kadi-apy-groups-remove-user command
line option, 68
 - kadi-apy-records-add-user command line
option, 82
 - kadi-apy-records-get-records command
line option, 95
 - kadi-apy-records-remove-user command
line option, 98
 - kadi-apy-templates-add-user command
line option, 103
 - kadi-apy-templates-remove-user command
line option, 109
 - kadi-apy-users-show-info command line
option, 111
- E
 - kadi-apy-records-get-file command line
option, 91
- G
 - kadi-apy-collections-add-group-role
command line option, 45
 - kadi-apy-collections-remove-group-role
command line option, 55
 - kadi-apy-groups-add-user command line
option, 63
 - kadi-apy-groups-delete command line
option, 65
 - kadi-apy-groups-edit command line
option, 66
 - kadi-apy-groups-remove-user command
line option, 68
 - kadi-apy-groups-show-info command line
option, 68
 - kadi-apy-records-add-group-role command
line option, 77
 - kadi-apy-records-remove-group-role

- command line option, 97
- kadi-apy-templates-add-group-role
 - command line option, 102
- kadi-apy-templates-remove-group-role
 - command line option, 109
- I
 - kadi-apy-collections-add-collection-link
 - command line option, 44
 - kadi-apy-collections-add-group-role
 - command line option, 45
 - kadi-apy-collections-add-record-link
 - command line option, 46
 - kadi-apy-collections-add-tag
 - command line option, 47
 - kadi-apy-collections-add-user
 - command line option, 47
 - kadi-apy-collections-create
 - command line option, 48
 - kadi-apy-collections-delete
 - command line option, 49
 - kadi-apy-collections-edit
 - command line option, 50
 - kadi-apy-collections-export
 - command line option, 51
 - kadi-apy-collections-get-collection-ids
 - command line option, 52
 - kadi-apy-collections-get-collections
 - command line option, 53
 - kadi-apy-collections-remove-collection-link
 - command line option, 54
 - kadi-apy-collections-remove-group-role
 - command line option, 55
 - kadi-apy-collections-remove-record-link
 - command line option, 56
 - kadi-apy-collections-remove-tag
 - command line option, 56
 - kadi-apy-collections-remove-user
 - command line option, 57
 - kadi-apy-collections-show-info
 - command line option, 58
 - kadi-apy-config-add-instance
 - command line option, 59
 - kadi-apy-config-change-default-instance
 - command line option, 60
 - kadi-apy-config-get-kadi-info
 - command line option, 61
 - kadi-apy-config-rename-instance
 - command line option, 61
 - kadi-apy-config-set-host
 - command line option, 61
 - kadi-apy-config-set-pat
 - command line option, 62
 - kadi-apy-groups-add-user
 - command line option, 63
 - kadi-apy-groups-create
 - command line option, 64
 - kadi-apy-groups-delete
 - command line option, 65
 - kadi-apy-groups-edit
 - command line option, 66
 - kadi-apy-groups-get-groups
 - command line option, 66
 - kadi-apy-groups-remove-user
 - command line option, 68
 - kadi-apy-groups-show-info
 - command line option, 68
 - kadi-apy-misc-get-deleted-resources
 - command line option, 69
 - kadi-apy-misc-get-licenses
 - command line option, 70
 - kadi-apy-misc-get-roles
 - command line option, 71
 - kadi-apy-misc-get-tags
 - command line option, 72
 - kadi-apy-misc-import-file
 - command line option, 73
 - kadi-apy-misc-purge-resource
 - command line option, 73
 - kadi-apy-misc-restore-resource
 - command line option, 74
 - kadi-apy-records-add-collection-link
 - command line option, 75
 - kadi-apy-records-add-files
 - command line option, 76
 - kadi-apy-records-add-group-role
 - command line option, 77
 - kadi-apy-records-add-metadata
 - command line option, 77
 - kadi-apy-records-add-metadatum
 - command line option, 78
 - kadi-apy-records-add-record-link
 - command line option, 79
 - kadi-apy-records-add-string-as-file
 - command line option, 80
 - kadi-apy-records-add-tag
 - command line option, 81
 - kadi-apy-records-add-user
 - command line option, 82
 - kadi-apy-records-create
 - command line option, 82
 - kadi-apy-records-delete
 - command line option, 83
 - kadi-apy-records-delete-all-metadata
 - command line option, 84
 - kadi-apy-records-delete-file
 - command line option, 85
 - kadi-apy-records-delete-files
 - command line option, 86

kadi-apy-records-delete-metadatum
 command line option, 86
 kadi-apy-records-delete-record-link
 command line option, 87
 kadi-apy-records-edit command line
 option, 88
 kadi-apy-records-edit-file command line
 option, 88
 kadi-apy-records-export command line
 option, 89
 kadi-apy-records-get-file command line
 option, 91
 kadi-apy-records-get-metadatum command
 line option, 92
 kadi-apy-records-get-record-ids command
 line option, 93
 kadi-apy-records-get-records command
 line option, 94
 kadi-apy-records-remove-collection-link
 command line option, 96
 kadi-apy-records-remove-group-role
 command line option, 96
 kadi-apy-records-remove-tag command
 line option, 97
 kadi-apy-records-remove-user command
 line option, 98
 kadi-apy-records-show-info command line
 option, 99
 kadi-apy-records-show-record-links-to
 command line option, 100
 kadi-apy-records-update-record-link
 command line option, 101
 kadi-apy-templates-add-group-role
 command line option, 102
 kadi-apy-templates-add-user command
 line option, 103
 kadi-apy-templates-create command line
 option, 104
 kadi-apy-templates-delete command line
 option, 105
 kadi-apy-templates-edit command line
 option, 106
 kadi-apy-templates-export command line
 option, 106
 kadi-apy-templates-get-templates
 command line option, 108
 kadi-apy-templates-remove-group-role
 command line option, 108
 kadi-apy-templates-remove-user command
 line option, 109
 kadi-apy-users-get-users command line
 option, 110
 kadi-apy-users-show-info command line
 option, 111

-L
 kadi-apy-collections-add-collection-link
 command line option, 44
 kadi-apy-collections-remove-collection-link
 command line option, 54
 kadi-apy-records-add-record-link
 command line option, 79

-N
 kadi-apy-config-rename-instance command
 line option, 61

-P
 kadi-apy-collections-export command
 line option, 51
 kadi-apy-records-export command line
 option, 90
 kadi-apy-records-get-file command line
 option, 91
 kadi-apy-templates-export command line
 option, 107

-R
 kadi-apy-collections-add-record-link
 command line option, 46
 kadi-apy-collections-remove-record-link
 command line option, 56
 kadi-apy-records-add-collection-link
 command line option, 75
 kadi-apy-records-add-files command line
 option, 76
 kadi-apy-records-add-group-role command
 line option, 77
 kadi-apy-records-add-metadata command
 line option, 78
 kadi-apy-records-add-metadatum command
 line option, 78
 kadi-apy-records-add-record-link
 command line option, 79
 kadi-apy-records-add-string-as-file
 command line option, 80
 kadi-apy-records-add-tag command line
 option, 81
 kadi-apy-records-add-user command line
 option, 82
 kadi-apy-records-delete command line
 option, 83
 kadi-apy-records-delete-all-metadata
 command line option, 84
 kadi-apy-records-delete-file command
 line option, 85
 kadi-apy-records-delete-files command
 line option, 86
 kadi-apy-records-delete-metadatum
 command line option, 86
 kadi-apy-records-delete-record-link
 command line option, 87

- kadi-apy-records-edit command line option, 88
- kadi-apy-records-edit-file command line option, 88
- kadi-apy-records-export command line option, 89
- kadi-apy-records-get-file command line option, 91
- kadi-apy-records-get-metadatum command line option, 92
- kadi-apy-records-remove-collection-link command line option, 96
- kadi-apy-records-remove-group-role command line option, 97
- kadi-apy-records-remove-tag command line option, 97
- kadi-apy-records-remove-user command line option, 98
- kadi-apy-records-show-info command line option, 99
- kadi-apy-records-show-record-links-to command line option, 100
- kadi-apy-records-update-record-link command line option, 101
- T
 - kadi-apy-collections-get-collection-ids command line option, 52
 - kadi-apy-collections-get-collections command line option, 53
 - kadi-apy-records-add-record-link command line option, 79
 - kadi-apy-records-export command line option, 89
 - kadi-apy-records-get-file command line option, 91
 - kadi-apy-records-get-record-ids command line option, 93
 - kadi-apy-records-get-records command line option, 94
 - kadi-apy-templates-add-group-role command line option, 102
 - kadi-apy-templates-add-user command line option, 103
 - kadi-apy-templates-delete command line option, 105
 - kadi-apy-templates-edit command line option, 106
 - kadi-apy-templates-export command line option, 106
 - kadi-apy-templates-remove-group-role command line option, 109
 - kadi-apy-templates-remove-user command line option, 109
- U
 - kadi-apy-collections-add-user command line option, 48
 - kadi-apy-collections-get-collections command line option, 54
 - kadi-apy-collections-remove-user command line option, 57
 - kadi-apy-groups-add-user command line option, 63
 - kadi-apy-groups-get-groups command line option, 67
 - kadi-apy-groups-remove-user command line option, 68
 - kadi-apy-records-add-user command line option, 82
 - kadi-apy-records-get-records command line option, 95
 - kadi-apy-records-remove-user command line option, 98
 - kadi-apy-templates-add-user command line option, 103
 - kadi-apy-templates-remove-user command line option, 109
 - kadi-apy-users-show-info command line option, 111
- V
 - kadi-apy-collections-add-collection-link command line option, 44
 - kadi-apy-collections-add-group-role command line option, 45
 - kadi-apy-collections-add-record-link command line option, 46
 - kadi-apy-collections-add-tag command line option, 46
 - kadi-apy-collections-add-user command line option, 47
 - kadi-apy-collections-create command line option, 48
 - kadi-apy-collections-delete command line option, 49
 - kadi-apy-collections-edit command line option, 50
 - kadi-apy-collections-export command line option, 51
 - kadi-apy-collections-get-collection-ids command line option, 52
 - kadi-apy-collections-get-collections command line option, 53
 - kadi-apy-collections-remove-collection-link command line option, 54
 - kadi-apy-collections-remove-group-role command line option, 55
 - kadi-apy-collections-remove-record-link command line option, 55
 - kadi-apy-collections-remove-tag command

line option, 56
 kadi-apy-collections-remove-user
 command line option, 57
 kadi-apy-collections-show-info command
 line option, 58
 kadi-apy-config-get-kadi-info command
 line option, 60
 kadi-apy-groups-add-user command line
 option, 63
 kadi-apy-groups-create command line
 option, 64
 kadi-apy-groups-delete command line
 option, 65
 kadi-apy-groups-edit command line
 option, 65
 kadi-apy-groups-get-groups command line
 option, 66
 kadi-apy-groups-remove-user command
 line option, 67
 kadi-apy-groups-show-info command line
 option, 68
 kadi-apy-misc-get-deleted-resources
 command line option, 69
 kadi-apy-misc-get-licenses command line
 option, 70
 kadi-apy-misc-get-roles command line
 option, 71
 kadi-apy-misc-get-tags command line
 option, 71
 kadi-apy-misc-import-file command line
 option, 72
 kadi-apy-misc-purge-resource command
 line option, 73
 kadi-apy-misc-restore-resource command
 line option, 74
 kadi-apy-records-add-collection-link
 command line option, 75
 kadi-apy-records-add-files command line
 option, 75
 kadi-apy-records-add-group-role command
 line option, 76
 kadi-apy-records-add-metadata command
 line option, 77
 kadi-apy-records-add-metadatum command
 line option, 78
 kadi-apy-records-add-record-link
 command line option, 79
 kadi-apy-records-add-string-as-file
 command line option, 80
 kadi-apy-records-add-tag command line
 option, 81
 kadi-apy-records-add-user command line
 option, 81
 kadi-apy-records-create command line
 option, 82
 kadi-apy-records-delete command line
 option, 83
 kadi-apy-records-delete-all-metadata
 command line option, 84
 kadi-apy-records-delete-file command
 line option, 85
 kadi-apy-records-delete-files command
 line option, 85
 kadi-apy-records-delete-metadatum
 command line option, 86
 kadi-apy-records-delete-record-link
 command line option, 87
 kadi-apy-records-edit command line
 option, 87
 kadi-apy-records-edit-file command line
 option, 88
 kadi-apy-records-export command line
 option, 89
 kadi-apy-records-get-file command line
 option, 90
 kadi-apy-records-get-metadatum command
 line option, 92
 kadi-apy-records-get-record-ids command
 line option, 93
 kadi-apy-records-get-records command
 line option, 94
 kadi-apy-records-remove-collection-link
 command line option, 96
 kadi-apy-records-remove-group-role
 command line option, 96
 kadi-apy-records-remove-tag command
 line option, 97
 kadi-apy-records-remove-user command
 line option, 98
 kadi-apy-records-show-info command line
 option, 99
 kadi-apy-records-show-record-links-to
 command line option, 100
 kadi-apy-records-update-record-link
 command line option, 101
 kadi-apy-templates-add-group-role
 command line option, 102
 kadi-apy-templates-add-user command
 line option, 103
 kadi-apy-templates-create command line
 option, 104
 kadi-apy-templates-delete command line
 option, 105
 kadi-apy-templates-edit command line
 option, 105
 kadi-apy-templates-export command line
 option, 106
 kadi-apy-templates-get-templates

```

    command line option, 108
kadi-apy-templates-remove-group-role
    command line option, 108
kadi-apy-templates-remove-user command
    line option, 109
kadi-apy-users-get-users command line
    option, 110
kadi-apy-users-show-info command line
    option, 111
--child_collections
    kadi-apy-records-get-record-ids command
        line option, 93
    kadi-apy-records-get-records command
        line option, 94
--collection
    kadi-apy-records-get-record-ids command
        line option, 93
    kadi-apy-records-get-records command
        line option, 94
--collection-id
    kadi-apy-collections-add-collection-link
        command line option, 44
    kadi-apy-collections-add-group-role
        command line option, 45
    kadi-apy-collections-add-record-link
        command line option, 46
    kadi-apy-collections-add-tag command
        line option, 47
    kadi-apy-collections-add-user command
        line option, 47
    kadi-apy-collections-delete command
        line option, 49
    kadi-apy-collections-edit command line
        option, 50
    kadi-apy-collections-export command
        line option, 51
    kadi-apy-collections-remove-collection-link
        command line option, 54
    kadi-apy-collections-remove-group-role
        command line option, 55
    kadi-apy-collections-remove-record-link
        command line option, 56
    kadi-apy-collections-remove-tag command
        line option, 56
    kadi-apy-collections-remove-user
        command line option, 57
    kadi-apy-collections-show-info command
        line option, 58
    kadi-apy-records-add-collection-link
        command line option, 75
    kadi-apy-records-remove-collection-link
        command line option, 96
--collection-id-child
    kadi-apy-collections-add-collection-link
        command line option, 44
    kadi-apy-collections-remove-collection-link
        command line option, 54
--collection-identifier
    kadi-apy-collections-add-collection-link
        command line option, 44
    kadi-apy-collections-add-group-role
        command line option, 45
    kadi-apy-collections-add-record-link
        command line option, 46
    kadi-apy-collections-add-tag command
        line option, 47
    kadi-apy-collections-add-user command
        line option, 47
    kadi-apy-collections-delete command
        line option, 49
    kadi-apy-collections-edit command line
        option, 50
    kadi-apy-collections-export command
        line option, 51
    kadi-apy-collections-remove-collection-link
        command line option, 54
    kadi-apy-collections-remove-group-role
        command line option, 55
    kadi-apy-collections-remove-record-link
        command line option, 56
    kadi-apy-collections-remove-tag command
        line option, 56
    kadi-apy-collections-remove-user
        command line option, 57
    kadi-apy-collections-show-info command
        line option, 58
    kadi-apy-records-add-collection-link
        command line option, 75
    kadi-apy-records-remove-collection-link
        command line option, 96
--commands
    kadi-apy command line option, 43
    kadi-apy-collections command line
        option, 44
    kadi-apy-config command line option, 59
    kadi-apy-groups command line option, 62
    kadi-apy-misc command line option, 69
    kadi-apy-records command line option, 74
    kadi-apy-templates command line option,
        101
    kadi-apy-users command line option, 110
--data
    kadi-apy-templates-create command line

```

```

    option, 104
--description
  kadi-apy-collections-edit command line
    option, 50
  kadi-apy-collections-show-info command
    line option, 58
  kadi-apy-groups-edit command line
    option, 66
  kadi-apy-groups-show-info command line
    option, 68
  kadi-apy-records-edit command line
    option, 88
  kadi-apy-records-show-info command line
    option, 99
  kadi-apy-templates-edit command line
    option, 106
--direction
  kadi-apy-records-show-record-links-to
    command line option, 100
--exclude_pattern
  kadi-apy-records-add-files command line
    option, 76
  kadi-apy-records-get-file command line
    option, 91
--exit-not-created
  kadi-apy-collections-create command
    line option, 49
  kadi-apy-groups-create command line
    option, 64
  kadi-apy-records-create command line
    option, 83
  kadi-apy-templates-create command line
    option, 104
--export_type
  kadi-apy-templates-export command line
    option, 107
--export-type
  kadi-apy-collections-export command
    line option, 51
  kadi-apy-records-export command line
    option, 89
--file
  kadi-apy-records-add-metadata command
    line option, 78
--file-description
  kadi-apy-records-add-files command line
    option, 76
--file-id
  kadi-apy-records-delete-file command
    line option, 85
  kadi-apy-records-edit-file command line
    option, 89
  kadi-apy-records-get-file command line
    option, 91
--file-name
  kadi-apy-records-add-files command line
    option, 76
  kadi-apy-records-add-string-as-file
    command line option, 80
  kadi-apy-records-delete-file command
    line option, 85
  kadi-apy-records-edit-file command line
    option, 89
  kadi-apy-records-get-file command line
    option, 91
--filelist
  kadi-apy-records-show-info command line
    option, 99
--filepath
  kadi-apy-records-get-file command line
    option, 91
--filter
  kadi-apy-misc-get-deleted-resources
    command line option, 70
  kadi-apy-misc-get-licenses command line
    option, 70
  kadi-apy-misc-get-tags command line
    option, 72
  kadi-apy-users-get-users command line
    option, 110
--force
  kadi-apy-collections-export command
    line option, 51
  kadi-apy-records-add-files command line
    option, 76
  kadi-apy-records-add-metadata command
    line option, 78
  kadi-apy-records-add-metadatum command
    line option, 79
  kadi-apy-records-add-string-as-file
    command line option, 80
  kadi-apy-records-export command line
    option, 90
  kadi-apy-records-get-file command line
    option, 91
  kadi-apy-templates-export command line
    option, 107
--group-id
  kadi-apy-collections-add-group-role
    command line option, 45
  kadi-apy-collections-remove-group-role
    command line option, 55
  kadi-apy-groups-add-user command line
    option, 63
  kadi-apy-groups-delete command line
    option, 65
  kadi-apy-groups-edit command line
    option, 66

```

- kadi-apy-groups-remove-user command
 - line option, 68
- kadi-apy-groups-show-info command line option, 68
- kadi-apy-records-add-group-role command line option, 77
- kadi-apy-records-remove-group-role command line option, 97
- kadi-apy-templates-add-group-role command line option, 102
- kadi-apy-templates-remove-group-role command line option, 109
- group-identifier
 - kadi-apy-collections-add-group-role command line option, 45
 - kadi-apy-collections-remove-group-role command line option, 55
 - kadi-apy-groups-add-user command line option, 63
 - kadi-apy-groups-delete command line option, 65
 - kadi-apy-groups-edit command line option, 66
 - kadi-apy-groups-remove-user command line option, 68
 - kadi-apy-groups-show-info command line option, 68
 - kadi-apy-records-add-group-role command line option, 77
 - kadi-apy-records-remove-group-role command line option, 97
 - kadi-apy-templates-add-group-role command line option, 102
 - kadi-apy-templates-remove-group-role command line option, 109
- i-am-sure
 - kadi-apy-collections-delete command line option, 49
 - kadi-apy-collections-get-collection-ids command line option, 52
 - kadi-apy-groups-delete command line option, 65
 - kadi-apy-records-delete command line option, 84
 - kadi-apy-records-delete-all-metadata command line option, 84
 - kadi-apy-records-delete-files command line option, 86
 - kadi-apy-records-get-record-ids command line option, 94
 - kadi-apy-templates-delete command line option, 105
- identifier
 - kadi-apy-collections-create command line option, 48
 - kadi-apy-groups-create command line option, 64
 - kadi-apy-records-create command line option, 83
 - kadi-apy-templates-create command line option, 104
- identity-type
 - kadi-apy-collections-add-user command line option, 47
 - kadi-apy-collections-get-collections command line option, 53
 - kadi-apy-collections-remove-user command line option, 57
 - kadi-apy-groups-add-user command line option, 63
 - kadi-apy-groups-get-groups command line option, 67
 - kadi-apy-groups-remove-user command line option, 68
 - kadi-apy-records-add-user command line option, 82
 - kadi-apy-records-get-records command line option, 95
 - kadi-apy-records-remove-user command line option, 98
 - kadi-apy-templates-add-user command line option, 103
 - kadi-apy-templates-remove-user command line option, 109
 - kadi-apy-users-show-info command line option, 111
- information
 - kadi-apy-records-get-metadatum command line option, 92
- instance
 - kadi-apy-collections-add-collection-link command line option, 44
 - kadi-apy-collections-add-group-role command line option, 45
 - kadi-apy-collections-add-record-link command line option, 46
 - kadi-apy-collections-add-tag command line option, 47
 - kadi-apy-collections-add-user command line option, 47
 - kadi-apy-collections-create command line option, 48
 - kadi-apy-collections-delete command line option, 49
 - kadi-apy-collections-edit command line option, 50
 - kadi-apy-collections-export command line option, 51

kadi-apy-collections-get-collection-ids
command line option, 52

kadi-apy-collections-get-collections
command line option, 53

kadi-apy-collections-remove-collection-link
command line option, 54

kadi-apy-collections-remove-group-role
command line option, 55

kadi-apy-collections-remove-record-link
command line option, 56

kadi-apy-collections-remove-tag command
line option, 56

kadi-apy-collections-remove-user
command line option, 57

kadi-apy-collections-show-info command
line option, 58

kadi-apy-config-add-instance command
line option, 59

kadi-apy-config-change-default-instance
command line option, 60

kadi-apy-config-get-kadi-info command
line option, 61

kadi-apy-config-rename-instance command
line option, 61

kadi-apy-config-set-host command line
option, 61

kadi-apy-config-set-pat command line
option, 62

kadi-apy-groups-add-user command line
option, 63

kadi-apy-groups-create command line
option, 64

kadi-apy-groups-delete command line
option, 65

kadi-apy-groups-edit command line
option, 66

kadi-apy-groups-get-groups command line
option, 66

kadi-apy-groups-remove-user command
line option, 68

kadi-apy-groups-show-info command line
option, 68

kadi-apy-misc-get-deleted-resources
command line option, 69

kadi-apy-misc-get-licenses command line
option, 70

kadi-apy-misc-get-roles command line
option, 71

kadi-apy-misc-get-tags command line
option, 72

kadi-apy-misc-import-file command line
option, 73

kadi-apy-misc-purge-resource command
line option, 73

kadi-apy-misc-restore-resource command
line option, 74

kadi-apy-records-add-collection-link
command line option, 75

kadi-apy-records-add-files command line
option, 76

kadi-apy-records-add-group-role command
line option, 77

kadi-apy-records-add-metadata command
line option, 77

kadi-apy-records-add-metadatum command
line option, 78

kadi-apy-records-add-record-link
command line option, 79

kadi-apy-records-add-string-as-file
command line option, 80

kadi-apy-records-add-tag command line
option, 81

kadi-apy-records-add-user command line
option, 82

kadi-apy-records-create command line
option, 82

kadi-apy-records-delete command line
option, 83

kadi-apy-records-delete-all-metadata
command line option, 84

kadi-apy-records-delete-file command
line option, 85

kadi-apy-records-delete-files command
line option, 86

kadi-apy-records-delete-metadatum
command line option, 86

kadi-apy-records-delete-record-link
command line option, 87

kadi-apy-records-edit command line
option, 88

kadi-apy-records-edit-file command line
option, 88

kadi-apy-records-export command line
option, 89

kadi-apy-records-get-file command line
option, 91

kadi-apy-records-get-metadatum command
line option, 92

kadi-apy-records-get-record-ids command
line option, 93

kadi-apy-records-get-records command
line option, 94

kadi-apy-records-remove-collection-link
command line option, 96

kadi-apy-records-remove-group-role
command line option, 96

kadi-apy-records-remove-tag command
line option, 97

kadi-apy-records-remove-user command
line option, 98

kadi-apy-records-show-info command line
option, 99

kadi-apy-records-show-record-links-to
command line option, 100

kadi-apy-records-update-record-link
command line option, 101

kadi-apy-templates-add-group-role
command line option, 102

kadi-apy-templates-add-user command
line option, 103

kadi-apy-templates-create command line
option, 104

kadi-apy-templates-delete command line
option, 105

kadi-apy-templates-edit command line
option, 106

kadi-apy-templates-export command line
option, 106

kadi-apy-templates-get-templates
command line option, 108

kadi-apy-templates-remove-group-role
command line option, 108

kadi-apy-templates-remove-user command
line option, 109

kadi-apy-users-get-users command line
option, 110

kadi-apy-users-show-info command line
option, 111

--instance-new
kadi-apy-config-rename-instance command
line option, 61

--item-id
kadi-apy-misc-purge-resource command
line option, 73

kadi-apy-misc-restore-resource command
line option, 74

--item-type
kadi-apy-misc-get-roles command line
option, 71

kadi-apy-misc-purge-resource command
line option, 73

kadi-apy-misc-restore-resource command
line option, 74

--license
kadi-apy-records-edit command line
option, 88

--metadata
kadi-apy-records-add-metadata command
line option, 78

kadi-apy-records-show-info command line
option, 99

--metadatum
kadi-apy-records-add-metadatum command
line option, 78

kadi-apy-records-delete-metadatum
command line option, 86

--mimetype
kadi-apy-records-edit-file command line
option, 89

kadi-apy-records-get-record-ids command
line option, 93

kadi-apy-records-get-records command
line option, 94

--my_user_id
kadi-apy-groups-get-groups command line
option, 67

--name
kadi-apy-collections-export command
line option, 51

kadi-apy-records-add-record-link
command line option, 80

kadi-apy-records-edit-file command line
option, 89

kadi-apy-records-export command line
option, 90

kadi-apy-records-get-metadatum command
line option, 92

kadi-apy-records-update-record-link
command line option, 101

kadi-apy-templates-export command line
option, 107

--page
kadi-apy-collections-get-collections
command line option, 53

kadi-apy-collections-show-info command
line option, 58

kadi-apy-groups-get-groups command line
option, 67

kadi-apy-misc-get-deleted-resources
command line option, 70

kadi-apy-misc-get-licenses command line
option, 70

kadi-apy-misc-get-tags command line
option, 72

kadi-apy-records-get-records command
line option, 95

kadi-apy-records-show-info command line
option, 99

kadi-apy-records-show-record-links-to
command line option, 100

kadi-apy-templates-get-templates
command line option, 108

kadi-apy-users-get-users command line
option, 110

--path
kadi-apy-collections-export command

line option, 51
 kadi-apy-records-export command line option, 90
 kadi-apy-templates-export command line option, 107
 --pattern
 kadi-apy-records-add-files command line option, 76
 kadi-apy-records-get-file command line option, 91
 --per-page
 kadi-apy-collections-get-collections command line option, 53
 kadi-apy-collections-show-info command line option, 58
 kadi-apy-groups-get-groups command line option, 66
 kadi-apy-misc-get-deleted-resources command line option, 69
 kadi-apy-misc-get-licenses command line option, 70
 kadi-apy-misc-get-tags command line option, 72
 kadi-apy-records-get-records command line option, 95
 kadi-apy-records-show-info command line option, 99
 kadi-apy-records-show-record-links-to command line option, 100
 kadi-apy-templates-get-templates command line option, 108
 kadi-apy-users-get-users command line option, 110
 --permission-new
 kadi-apy-collections-add-group-role command line option, 45
 kadi-apy-collections-add-user command line option, 48
 kadi-apy-groups-add-user command line option, 63
 kadi-apy-records-add-group-role command line option, 77
 kadi-apy-records-add-user command line option, 82
 kadi-apy-templates-add-group-role command line option, 102
 kadi-apy-templates-add-user command line option, 103
 --pipe
 kadi-apy-collections-create command line option, 49
 kadi-apy-collections-export command line option, 51
 kadi-apy-collections-get-collection-ids command line option, 52
 kadi-apy-groups-create command line option, 64
 kadi-apy-records-create command line option, 83
 kadi-apy-records-export command line option, 90
 kadi-apy-records-get-file command line option, 91
 kadi-apy-records-get-metadatum command line option, 92
 kadi-apy-records-get-record-ids command line option, 93
 kadi-apy-records-show-info command line option, 99
 kadi-apy-templates-create command line option, 104
 kadi-apy-templates-export command line option, 107
 --query
 kadi-apy-collections-get-collections command line option, 54
 kadi-apy-records-get-records command line option, 95
 --record-id
 kadi-apy-collections-add-record-link command line option, 46
 kadi-apy-collections-remove-record-link command line option, 56
 kadi-apy-records-add-collection-link command line option, 75
 kadi-apy-records-add-files command line option, 76
 kadi-apy-records-add-group-role command line option, 77
 kadi-apy-records-add-metadata command line option, 78
 kadi-apy-records-add-metadatum command line option, 78
 kadi-apy-records-add-record-link command line option, 79
 kadi-apy-records-add-string-as-file command line option, 80
 kadi-apy-records-add-tag command line option, 81
 kadi-apy-records-add-user command line option, 82
 kadi-apy-records-delete command line option, 84
 kadi-apy-records-delete-all-metadata command line option, 84
 kadi-apy-records-delete-file command line option, 85
 kadi-apy-records-delete-files command

- line option, 86
- kadi-apy-records-delete-metadatum
 - command line option, 86
- kadi-apy-records-delete-record-link
 - command line option, 87
- kadi-apy-records-edit command line option, 88
- kadi-apy-records-edit-file command line option, 89
- kadi-apy-records-export command line option, 89
- kadi-apy-records-get-file command line option, 91
- kadi-apy-records-get-metadatum command line option, 92
- kadi-apy-records-remove-collection-link
 - command line option, 96
- kadi-apy-records-remove-group-role
 - command line option, 97
- kadi-apy-records-remove-tag command line option, 97
- kadi-apy-records-remove-user command line option, 98
- kadi-apy-records-show-info command line option, 99
- kadi-apy-records-show-record-links-to
 - command line option, 100
- kadi-apy-records-update-record-link
 - command line option, 101
- record-id-link
 - kadi-apy-records-add-record-link
 - command line option, 80
- record-identifier
 - kadi-apy-collections-add-record-link
 - command line option, 46
 - kadi-apy-collections-remove-record-link
 - command line option, 56
 - kadi-apy-records-add-collection-link
 - command line option, 75
 - kadi-apy-records-add-files command line option, 76
 - kadi-apy-records-add-group-role command line option, 77
 - kadi-apy-records-add-metadata command line option, 78
 - kadi-apy-records-add-metadatum command line option, 78
 - kadi-apy-records-add-record-link
 - command line option, 79
 - kadi-apy-records-add-string-as-file
 - command line option, 80
 - kadi-apy-records-add-tag command line option, 81
 - kadi-apy-records-add-user command line option, 82
 - kadi-apy-records-delete command line option, 83
 - kadi-apy-records-delete-all-metadata
 - command line option, 84
 - kadi-apy-records-delete-file command line option, 85
 - kadi-apy-records-delete-files command line option, 86
 - kadi-apy-records-delete-metadatum
 - command line option, 86
 - kadi-apy-records-delete-record-link
 - command line option, 87
 - kadi-apy-records-edit command line option, 88
 - kadi-apy-records-edit-file command line option, 88
 - kadi-apy-records-export command line option, 89
 - kadi-apy-records-get-file command line option, 91
 - kadi-apy-records-get-metadatum command line option, 92
 - kadi-apy-records-remove-collection-link
 - command line option, 96
 - kadi-apy-records-remove-group-role
 - command line option, 97
 - kadi-apy-records-remove-tag command line option, 97
 - kadi-apy-records-remove-user command line option, 98
 - kadi-apy-records-show-info command line option, 99
 - kadi-apy-records-show-record-links-to
 - command line option, 100
 - kadi-apy-records-update-record-link
 - command line option, 101
- record-identifier-link
 - kadi-apy-records-add-record-link
 - command line option, 79
- record-ids
 - kadi-apy-records-add-record-link
 - command line option, 79
 - kadi-apy-records-export command line option, 89
 - kadi-apy-records-get-file command line option, 91
- record-link-id
 - kadi-apy-records-delete-record-link
 - command line option, 87
 - kadi-apy-records-update-record-link
 - command line option, 101
- records
 - kadi-apy-collections-show-info command

line option, 58
 --shell
 kadi-apy-config-activate-autocompletion
 command line option, 59
 --string
 kadi-apy-records-add-string-as-file
 command line option, 80
 --tag
 kadi-apy-collections-add-tag command
 line option, 47
 kadi-apy-collections-get-collection-ids
 command line option, 52
 kadi-apy-collections-get-collections
 command line option, 53
 kadi-apy-collections-remove-tag command
 line option, 56
 kadi-apy-records-add-tag command line
 option, 81
 kadi-apy-records-get-record-ids command
 line option, 93
 kadi-apy-records-get-records command
 line option, 94
 kadi-apy-records-remove-tag command
 line option, 97
 --tag-operator
 kadi-apy-collections-get-collection-ids
 command line option, 52
 kadi-apy-collections-get-collections
 command line option, 53
 kadi-apy-records-get-record-ids command
 line option, 93
 kadi-apy-records-get-records command
 line option, 94
 --template-id
 kadi-apy-templates-add-group-role
 command line option, 102
 kadi-apy-templates-add-user command
 line option, 103
 kadi-apy-templates-delete command line
 option, 105
 kadi-apy-templates-edit command line
 option, 106
 kadi-apy-templates-export command line
 option, 107
 kadi-apy-templates-remove-group-role
 command line option, 109
 kadi-apy-templates-remove-user command
 line option, 109
 --template-identifier
 kadi-apy-templates-add-group-role
 command line option, 102
 kadi-apy-templates-add-user command
 line option, 103
 kadi-apy-templates-delete command line
 option, 105
 kadi-apy-templates-edit command line
 option, 106
 kadi-apy-templates-export command line
 option, 106
 kadi-apy-templates-remove-group-role
 command line option, 109
 kadi-apy-templates-remove-user command
 line option, 109
 --term
 kadi-apy-records-add-record-link
 command line option, 80
 --title
 kadi-apy-collections-create command
 line option, 48
 kadi-apy-collections-edit command line
 option, 50
 kadi-apy-groups-create command line
 option, 64
 kadi-apy-groups-edit command line
 option, 66
 kadi-apy-records-create command line
 option, 83
 kadi-apy-records-edit command line
 option, 88
 kadi-apy-templates-create command line
 option, 104
 kadi-apy-templates-edit command line
 option, 106
 --type
 kadi-apy-misc-get-tags command line
 option, 72
 kadi-apy-records-add-metadatum command
 line option, 79
 kadi-apy-records-edit command line
 option, 88
 kadi-apy-templates-create command line
 option, 104
 --unit
 kadi-apy-records-add-metadatum command
 line option, 79
 --use-folder
 kadi-apy-collections-export command
 line option, 51
 kadi-apy-records-export command line
 option, 90
 kadi-apy-records-get-file command line
 option, 91
 kadi-apy-templates-export command line
 option, 107
 --use-my-user-id
 kadi-apy-collections-get-collections
 command line option, 54
 kadi-apy-records-get-records command

line option, 95

--user

- kadi-apy-collections-add-user command line option, 48
- kadi-apy-collections-get-collections command line option, 54
- kadi-apy-collections-remove-user command line option, 57
- kadi-apy-groups-add-user command line option, 63
- kadi-apy-groups-get-groups command line option, 67
- kadi-apy-groups-remove-user command line option, 68
- kadi-apy-records-add-user command line option, 82
- kadi-apy-records-get-records command line option, 95
- kadi-apy-records-remove-user command line option, 98
- kadi-apy-templates-add-user command line option, 103
- kadi-apy-templates-remove-user command line option, 109
- kadi-apy-users-show-info command line option, 111

--username

- kadi-apy-collections-add-user command line option, 48
- kadi-apy-collections-get-collections command line option, 54
- kadi-apy-collections-remove-user command line option, 57
- kadi-apy-groups-add-user command line option, 63
- kadi-apy-groups-get-groups command line option, 67
- kadi-apy-groups-remove-user command line option, 68
- kadi-apy-records-add-user command line option, 82
- kadi-apy-records-get-records command line option, 95
- kadi-apy-records-remove-user command line option, 98
- kadi-apy-templates-add-user command line option, 103
- kadi-apy-templates-remove-user command line option, 109
- kadi-apy-users-show-info command line option, 111

--value

- kadi-apy-records-add-metadatum command line option, 78

--verbose

- kadi-apy-collections-add-collection-link command line option, 44
- kadi-apy-collections-add-group-role command line option, 45
- kadi-apy-collections-add-record-link command line option, 46
- kadi-apy-collections-add-tag command line option, 46
- kadi-apy-collections-add-user command line option, 47
- kadi-apy-collections-create command line option, 48
- kadi-apy-collections-delete command line option, 49
- kadi-apy-collections-edit command line option, 50
- kadi-apy-collections-export command line option, 51
- kadi-apy-collections-get-collection-ids command line option, 52
- kadi-apy-collections-get-collections command line option, 53
- kadi-apy-collections-remove-collection-link command line option, 54
- kadi-apy-collections-remove-group-role command line option, 55
- kadi-apy-collections-remove-record-link command line option, 55
- kadi-apy-collections-remove-tag command line option, 56
- kadi-apy-collections-remove-user command line option, 57
- kadi-apy-collections-show-info command line option, 58
- kadi-apy-config-get-kadi-info command line option, 60
- kadi-apy-groups-add-user command line option, 63
- kadi-apy-groups-create command line option, 64
- kadi-apy-groups-delete command line option, 65
- kadi-apy-groups-edit command line option, 65
- kadi-apy-groups-get-groups command line option, 66
- kadi-apy-groups-remove-user command line option, 67
- kadi-apy-groups-show-info command line option, 68
- kadi-apy-misc-get-deleted-resources command line option, 69
- kadi-apy-misc-get-licenses command line

option, 70
 kadi-apy-misc-get-roles command line
 option, 71
 kadi-apy-misc-get-tags command line
 option, 71
 kadi-apy-misc-import-file command line
 option, 72
 kadi-apy-misc-purge-resource command
 line option, 73
 kadi-apy-misc-restore-resource command
 line option, 74
 kadi-apy-records-add-collection-link
 command line option, 75
 kadi-apy-records-add-files command line
 option, 75
 kadi-apy-records-add-group-role command
 line option, 76
 kadi-apy-records-add-metadata command
 line option, 77
 kadi-apy-records-add-metadatum command
 line option, 78
 kadi-apy-records-add-record-link
 command line option, 79
 kadi-apy-records-add-string-as-file
 command line option, 80
 kadi-apy-records-add-tag command line
 option, 81
 kadi-apy-records-add-user command line
 option, 81
 kadi-apy-records-create command line
 option, 82
 kadi-apy-records-delete command line
 option, 83
 kadi-apy-records-delete-all-metadata
 command line option, 84
 kadi-apy-records-delete-file command
 line option, 85
 kadi-apy-records-delete-files command
 line option, 85
 kadi-apy-records-delete-metadatum
 command line option, 86
 kadi-apy-records-delete-record-link
 command line option, 87
 kadi-apy-records-edit command line
 option, 87
 kadi-apy-records-edit-file command line
 option, 88
 kadi-apy-records-export command line
 option, 89
 kadi-apy-records-get-file command line
 option, 90
 kadi-apy-records-get-metadatum command
 line option, 92
 kadi-apy-records-get-record-ids command
 line option, 93
 kadi-apy-records-get-records command
 line option, 94
 kadi-apy-records-remove-collection-link
 command line option, 96
 kadi-apy-records-remove-group-role
 command line option, 96
 kadi-apy-records-remove-tag command
 line option, 97
 kadi-apy-records-remove-user command
 line option, 98
 kadi-apy-records-show-info command line
 option, 99
 kadi-apy-records-show-record-links-to
 command line option, 100
 kadi-apy-records-update-record-link
 command line option, 101
 kadi-apy-templates-add-group-role
 command line option, 102
 kadi-apy-templates-add-user command
 line option, 103
 kadi-apy-templates-create command line
 option, 104
 kadi-apy-templates-delete command line
 option, 105
 kadi-apy-templates-edit command line
 option, 105
 kadi-apy-templates-export command line
 option, 106
 kadi-apy-templates-get-templates
 command line option, 108
 kadi-apy-templates-remove-group-role
 command line option, 108
 kadi-apy-templates-remove-user command
 line option, 109
 kadi-apy-users-get-users command line
 option, 110
 kadi-apy-users-show-info command line
 option, 111
 --version
 kadi-apy command line option, 43
 kadi-apy-collections command line
 option, 44
 kadi-apy-collections-add-collection-link
 command line option, 44
 kadi-apy-collections-add-group-role
 command line option, 45
 kadi-apy-collections-add-record-link
 command line option, 46
 kadi-apy-collections-add-tag command
 line option, 46
 kadi-apy-collections-add-user command
 line option, 47
 kadi-apy-collections-create command

- line option, 48
- kadi-apy-collections-delete command line option, 49
- kadi-apy-collections-edit command line option, 50
- kadi-apy-collections-export command line option, 51
- kadi-apy-collections-get-collection-ids command line option, 52
- kadi-apy-collections-get-collections command line option, 53
- kadi-apy-collections-remove-collection-link command line option, 54
- kadi-apy-collections-remove-group-role command line option, 55
- kadi-apy-collections-remove-record-link command line option, 55
- kadi-apy-collections-remove-tag command line option, 56
- kadi-apy-collections-remove-user command line option, 57
- kadi-apy-collections-show-info command line option, 58
- kadi-apy-config command line option, 59
- kadi-apy-config-activate-autocompletion command line option, 59
- kadi-apy-config-add-instance command line option, 59
- kadi-apy-config-change-default-instance command line option, 60
- kadi-apy-config-create command line option, 60
- kadi-apy-config-get-kadi-info command line option, 60
- kadi-apy-config-rename-instance command line option, 61
- kadi-apy-config-set-host command line option, 61
- kadi-apy-config-set-pat command line option, 62
- kadi-apy-config-show-instances command line option, 62
- kadi-apy-groups command line option, 62
- kadi-apy-groups-add-user command line option, 63
- kadi-apy-groups-create command line option, 64
- kadi-apy-groups-delete command line option, 65
- kadi-apy-groups-edit command line option, 65
- kadi-apy-groups-get-groups command line option, 66
- kadi-apy-groups-remove-user command line option, 67
- kadi-apy-groups-show-info command line option, 68
- kadi-apy-misc command line option, 69
- kadi-apy-misc-get-deleted-resources command line option, 69
- kadi-apy-misc-get-licenses command line option, 70
- kadi-apy-misc-get-roles command line option, 71
- kadi-apy-misc-get-tags command line option, 71
- kadi-apy-misc-import-file command line option, 72
- kadi-apy-misc-purge-resource command line option, 73
- kadi-apy-misc-restore-resource command line option, 74
- kadi-apy-records command line option, 74
- kadi-apy-records-add-collection-link command line option, 75
- kadi-apy-records-add-files command line option, 75
- kadi-apy-records-add-group-role command line option, 76
- kadi-apy-records-add-metadata command line option, 77
- kadi-apy-records-add-metadatum command line option, 78
- kadi-apy-records-add-record-link command line option, 79
- kadi-apy-records-add-string-as-file command line option, 80
- kadi-apy-records-add-tag command line option, 81
- kadi-apy-records-add-user command line option, 81
- kadi-apy-records-create command line option, 82
- kadi-apy-records-delete command line option, 83
- kadi-apy-records-delete-all-metadata command line option, 84
- kadi-apy-records-delete-file command line option, 85
- kadi-apy-records-delete-files command line option, 85
- kadi-apy-records-delete-metadatum command line option, 86
- kadi-apy-records-delete-record-link command line option, 87
- kadi-apy-records-edit command line option, 87
- kadi-apy-records-edit-file command line

option, 88
 kadi-apy-records-export command line
 option, 89
 kadi-apy-records-get-file command line
 option, 90
 kadi-apy-records-get-metadatum command
 line option, 92
 kadi-apy-records-get-record-ids command
 line option, 93
 kadi-apy-records-get-records command
 line option, 94
 kadi-apy-records-remove-collection-link
 command line option, 96
 kadi-apy-records-remove-group-role
 command line option, 96
 kadi-apy-records-remove-tag command
 line option, 97
 kadi-apy-records-remove-user command
 line option, 98
 kadi-apy-records-show-info command line
 option, 99
 kadi-apy-records-show-record-links-to
 command line option, 100
 kadi-apy-records-update-record-link
 command line option, 101
 kadi-apy-templates command line option,
 101
 kadi-apy-templates-add-group-role
 command line option, 102
 kadi-apy-templates-add-user command
 line option, 103
 kadi-apy-templates-create command line
 option, 104
 kadi-apy-templates-delete command line
 option, 105
 kadi-apy-templates-edit command line
 option, 105
 kadi-apy-templates-export command line
 option, 106
 kadi-apy-templates-get-templates
 command line option, 108
 kadi-apy-templates-remove-group-role
 command line option, 108
 kadi-apy-templates-remove-user command
 line option, 109
 kadi-apy-users command line option, 110
 kadi-apy-users-get-users command line
 option, 110
 kadi-apy-users-show-info command line
 option, 111
 --visibility
 kadi-apy-collections-create command
 line option, 48
 kadi-apy-collections-edit command line
 option, 50
 kadi-apy-collections-get-collection-ids
 command line option, 52
 kadi-apy-collections-get-collections
 command line option, 54
 kadi-apy-collections-show-info command
 line option, 58
 kadi-apy-groups-create command line
 option, 64
 kadi-apy-groups-edit command line
 option, 66
 kadi-apy-groups-get-groups command line
 option, 67
 kadi-apy-groups-show-info command line
 option, 69
 kadi-apy-records-create command line
 option, 83
 kadi-apy-records-edit command line
 option, 88
 kadi-apy-records-get-record-ids command
 line option, 93
 kadi-apy-records-get-records command
 line option, 95
 kadi-apy-records-show-info command line
 option, 99
 kadi-apy-templates-edit command line
 option, 106
 --xmlhelp
 kadi-apy-collections-add-collection-link
 command line option, 44
 kadi-apy-collections-add-group-role
 command line option, 45
 kadi-apy-collections-add-record-link
 command line option, 46
 kadi-apy-collections-add-tag command
 line option, 46
 kadi-apy-collections-add-user command
 line option, 47
 kadi-apy-collections-create command
 line option, 48
 kadi-apy-collections-delete command
 line option, 49
 kadi-apy-collections-edit command line
 option, 50
 kadi-apy-collections-export command
 line option, 51
 kadi-apy-collections-get-collection-ids
 command line option, 52
 kadi-apy-collections-get-collections
 command line option, 53
 kadi-apy-collections-remove-collection-link
 command line option, 54
 kadi-apy-collections-remove-group-role
 command line option, 55

kadi-apy-collections-remove-record-link
command line option, 55

kadi-apy-collections-remove-tag command
line option, 56

kadi-apy-collections-remove-user
command line option, 57

kadi-apy-collections-show-info command
line option, 58

kadi-apy-config-activate-autocompletion
command line option, 59

kadi-apy-config-add-instance command
line option, 59

kadi-apy-config-change-default-instance
command line option, 60

kadi-apy-config-create command line
option, 60

kadi-apy-config-get-kadi-info command
line option, 60

kadi-apy-config-rename-instance command
line option, 61

kadi-apy-config-set-host command line
option, 61

kadi-apy-config-set-pat command line
option, 62

kadi-apy-config-show-instances command
line option, 62

kadi-apy-groups-add-user command line
option, 63

kadi-apy-groups-create command line
option, 64

kadi-apy-groups-delete command line
option, 65

kadi-apy-groups-edit command line
option, 65

kadi-apy-groups-get-groups command line
option, 66

kadi-apy-groups-remove-user command
line option, 67

kadi-apy-groups-show-info command line
option, 68

kadi-apy-misc-get-deleted-resources
command line option, 69

kadi-apy-misc-get-licenses command line
option, 70

kadi-apy-misc-get-roles command line
option, 71

kadi-apy-misc-get-tags command line
option, 71

kadi-apy-misc-import-file command line
option, 72

kadi-apy-misc-purge-resource command
line option, 73

kadi-apy-misc-restore-resource command
line option, 74

kadi-apy-records-add-collection-link
command line option, 75

kadi-apy-records-add-files command line
option, 75

kadi-apy-records-add-group-role command
line option, 76

kadi-apy-records-add-metadata command
line option, 77

kadi-apy-records-add-metadatum command
line option, 78

kadi-apy-records-add-record-link
command line option, 79

kadi-apy-records-add-string-as-file
command line option, 80

kadi-apy-records-add-tag command line
option, 81

kadi-apy-records-add-user command line
option, 81

kadi-apy-records-create command line
option, 82

kadi-apy-records-delete command line
option, 83

kadi-apy-records-delete-all-metadata
command line option, 84

kadi-apy-records-delete-file command
line option, 85

kadi-apy-records-delete-files command
line option, 85

kadi-apy-records-delete-metadatum
command line option, 86

kadi-apy-records-delete-record-link
command line option, 87

kadi-apy-records-edit command line
option, 87

kadi-apy-records-edit-file command line
option, 88

kadi-apy-records-export command line
option, 89

kadi-apy-records-get-file command line
option, 90

kadi-apy-records-get-metadatum command
line option, 92

kadi-apy-records-get-record-ids command
line option, 93

kadi-apy-records-get-records command
line option, 94

kadi-apy-records-remove-collection-link
command line option, 96

kadi-apy-records-remove-group-role
command line option, 96

kadi-apy-records-remove-tag command
line option, 97

kadi-apy-records-remove-user command
line option, 98

- kadi-apy-records-show-info command line option, 99
 - kadi-apy-records-show-record-links-to command line option, 100
 - kadi-apy-records-update-record-link command line option, 101
 - kadi-apy-templates-add-group-role command line option, 102
 - kadi-apy-templates-add-user command line option, 103
 - kadi-apy-templates-create command line option, 104
 - kadi-apy-templates-delete command line option, 105
 - kadi-apy-templates-edit command line option, 105
 - kadi-apy-templates-export command line option, 106
 - kadi-apy-templates-get-templates command line option, 108
 - kadi-apy-templates-remove-group-role command line option, 108
 - kadi-apy-templates-remove-user command line option, 109
 - kadi-apy-users-get-users command line option, 110
 - kadi-apy-users-show-info command line option, 111
- a
- kadi-apy-records-edit-file command line option, 89
- c
- kadi-apy-collections-add-collection-link command line option, 44
 - kadi-apy-collections-add-group-role command line option, 45
 - kadi-apy-collections-add-record-link command line option, 46
 - kadi-apy-collections-add-tag command line option, 47
 - kadi-apy-collections-add-user command line option, 47
 - kadi-apy-collections-delete command line option, 49
 - kadi-apy-collections-edit command line option, 50
 - kadi-apy-collections-export command line option, 51
 - kadi-apy-collections-remove-collection-link command line option, 54
 - kadi-apy-collections-remove-group-role command line option, 55
 - kadi-apy-collections-remove-record-link command line option, 56
- kadi-apy-collections-remove-tag command line option, 56
 - kadi-apy-collections-remove-user command line option, 57
 - kadi-apy-collections-show-info command line option, 58
 - kadi-apy-records-add-collection-link command line option, 75
 - kadi-apy-records-get-record-ids command line option, 93
 - kadi-apy-records-get-records command line option, 94
 - kadi-apy-records-remove-collection-link command line option, 96
- d
- kadi-apy-collections-edit command line option, 50
 - kadi-apy-collections-show-info command line option, 58
 - kadi-apy-groups-edit command line option, 66
 - kadi-apy-groups-show-info command line option, 68
 - kadi-apy-records-add-files command line option, 76
 - kadi-apy-records-edit command line option, 88
 - kadi-apy-records-show-info command line option, 99
 - kadi-apy-records-show-record-links-to command line option, 100
 - kadi-apy-templates-create command line option, 104
 - kadi-apy-templates-edit command line option, 106
- e
- kadi-apy-collections-create command line option, 49
 - kadi-apy-collections-export command line option, 51
 - kadi-apy-groups-create command line option, 64
 - kadi-apy-records-add-files command line option, 76
 - kadi-apy-records-create command line option, 83
 - kadi-apy-records-export command line option, 89
 - kadi-apy-records-get-file command line option, 91
 - kadi-apy-templates-create command line option, 104
 - kadi-apy-templates-export command line option, 107

- f
 - kadi-apy-collections-export command line option, 51
 - kadi-apy-misc-get-deleted-resources command line option, 70
 - kadi-apy-misc-get-licenses command line option, 70
 - kadi-apy-misc-get-tags command line option, 72
 - kadi-apy-records-add-files command line option, 76
 - kadi-apy-records-add-metadata command line option, 78
 - kadi-apy-records-add-metadatum command line option, 79
 - kadi-apy-records-add-string-as-file command line option, 80
 - kadi-apy-records-export command line option, 90
 - kadi-apy-records-get-file command line option, 91
 - kadi-apy-templates-export command line option, 107
 - kadi-apy-users-get-users command line option, 110
- g
 - kadi-apy-collections-add-group-role command line option, 45
 - kadi-apy-collections-remove-group-role command line option, 55
 - kadi-apy-groups-add-user command line option, 63
 - kadi-apy-groups-delete command line option, 65
 - kadi-apy-groups-edit command line option, 66
 - kadi-apy-groups-remove-user command line option, 68
 - kadi-apy-groups-show-info command line option, 68
 - kadi-apy-records-add-group-role command line option, 77
 - kadi-apy-records-remove-group-role command line option, 97
 - kadi-apy-templates-add-group-role command line option, 102
 - kadi-apy-templates-remove-group-role command line option, 109
- i
 - kadi-apy-collections-create command line option, 48
 - kadi-apy-collections-get-collections command line option, 54
 - kadi-apy-groups-create command line option, 64
 - kadi-apy-groups-get-groups command line option, 67
 - kadi-apy-misc-purge-resource command line option, 73
 - kadi-apy-misc-restore-resource command line option, 74
 - kadi-apy-records-create command line option, 83
 - kadi-apy-records-delete-file command line option, 85
 - kadi-apy-records-edit-file command line option, 89
 - kadi-apy-records-get-file command line option, 91
 - kadi-apy-records-get-metadatum command line option, 92
 - kadi-apy-records-get-records command line option, 95
 - kadi-apy-records-show-info command line option, 99
 - kadi-apy-templates-create command line option, 104
 - kadi-apy-templates-edit command line option, 106
- l
 - kadi-apy-collections-add-collection-link command line option, 44
 - kadi-apy-collections-remove-collection-link command line option, 54
 - kadi-apy-records-add-record-link command line option, 80
 - kadi-apy-records-delete-record-link command line option, 87
 - kadi-apy-records-edit command line option, 88
 - kadi-apy-records-show-info command line option, 99
 - kadi-apy-records-update-record-link command line option, 101
- m
 - kadi-apy-records-add-metadata command line option, 78
 - kadi-apy-records-add-metadatum command line option, 78
 - kadi-apy-records-delete-metadatum command line option, 86
 - kadi-apy-records-edit-file command line option, 89
 - kadi-apy-records-get-record-ids command line option, 93
 - kadi-apy-records-get-records command line option, 94
 - kadi-apy-records-show-info command line

- option, 99
- n
 - kadi-apy-collections-export command line option, 51
 - kadi-apy-collections-get-collections command line option, 53
 - kadi-apy-collections-show-info command line option, 58
 - kadi-apy-groups-get-groups command line option, 66
 - kadi-apy-misc-get-deleted-resources command line option, 69
 - kadi-apy-misc-get-licenses command line option, 70
 - kadi-apy-misc-get-tags command line option, 72
 - kadi-apy-records-add-files command line option, 76
 - kadi-apy-records-add-record-link command line option, 80
 - kadi-apy-records-add-string-as-file command line option, 80
 - kadi-apy-records-delete-file command line option, 85
 - kadi-apy-records-edit-file command line option, 89
 - kadi-apy-records-export command line option, 90
 - kadi-apy-records-get-file command line option, 91
 - kadi-apy-records-get-metadatum command line option, 92
 - kadi-apy-records-get-records command line option, 95
 - kadi-apy-records-show-info command line option, 99
 - kadi-apy-records-show-record-links-to command line option, 100
 - kadi-apy-records-update-record-link command line option, 101
 - kadi-apy-templates-export command line option, 107
 - kadi-apy-templates-get-templates command line option, 108
 - kadi-apy-users-get-users command line option, 110
- p
 - kadi-apy-collections-add-group-role command line option, 45
 - kadi-apy-collections-add-user command line option, 48
 - kadi-apy-collections-create command line option, 49
 - kadi-apy-collections-export command line option, 51
 - kadi-apy-collections-get-collection-ids command line option, 52
 - kadi-apy-collections-get-collections command line option, 53
 - kadi-apy-collections-show-info command line option, 58
 - kadi-apy-groups-add-user command line option, 63
 - kadi-apy-groups-create command line option, 64
 - kadi-apy-groups-get-groups command line option, 67
 - kadi-apy-misc-get-deleted-resources command line option, 70
 - kadi-apy-misc-get-licenses command line option, 70
 - kadi-apy-misc-get-tags command line option, 72
 - kadi-apy-records-add-files command line option, 76
 - kadi-apy-records-add-group-role command line option, 77
 - kadi-apy-records-add-metadata command line option, 78
 - kadi-apy-records-add-user command line option, 82
 - kadi-apy-records-create command line option, 83
 - kadi-apy-records-export command line option, 90
 - kadi-apy-records-get-file command line option, 91
 - kadi-apy-records-get-metadatum command line option, 92
 - kadi-apy-records-get-record-ids command line option, 93
 - kadi-apy-records-get-records command line option, 95
 - kadi-apy-records-show-info command line option, 99
 - kadi-apy-records-show-record-links-to command line option, 100
 - kadi-apy-templates-add-group-role command line option, 102
 - kadi-apy-templates-add-user command line option, 103
 - kadi-apy-templates-create command line option, 104
 - kadi-apy-templates-export command line option, 107
 - kadi-apy-templates-get-templates command line option, 108
 - kadi-apy-users-get-users command line

- option, 110
- q
 - kadi-apy-collections-get-collections command line option, 54
 - kadi-apy-records-get-records command line option, 95
- r
 - kadi-apy-collections-add-record-link command line option, 46
 - kadi-apy-collections-remove-record-link command line option, 56
 - kadi-apy-collections-show-info command line option, 58
 - kadi-apy-records-add-collection-link command line option, 75
 - kadi-apy-records-add-files command line option, 76
 - kadi-apy-records-add-group-role command line option, 77
 - kadi-apy-records-add-metadata command line option, 78
 - kadi-apy-records-add-metadatum command line option, 78
 - kadi-apy-records-add-record-link command line option, 79
 - kadi-apy-records-add-string-as-file command line option, 80
 - kadi-apy-records-add-tag command line option, 81
 - kadi-apy-records-add-user command line option, 82
 - kadi-apy-records-delete command line option, 84
 - kadi-apy-records-delete-all-metadata command line option, 84
 - kadi-apy-records-delete-file command line option, 85
 - kadi-apy-records-delete-files command line option, 86
 - kadi-apy-records-delete-metadatum command line option, 86
 - kadi-apy-records-delete-record-link command line option, 87
 - kadi-apy-records-edit command line option, 88
 - kadi-apy-records-edit-file command line option, 89
 - kadi-apy-records-export command line option, 89
 - kadi-apy-records-get-file command line option, 91
 - kadi-apy-records-get-metadatum command line option, 92
 - kadi-apy-records-remove-collection-link command line option, 96
- kadi-apy-records-remove-group-role command line option, 97
- kadi-apy-records-remove-tag command line option, 97
- kadi-apy-records-remove-user command line option, 98
- kadi-apy-records-show-info command line option, 99
- kadi-apy-records-show-record-links-to command line option, 100
- kadi-apy-records-update-record-link command line option, 101
- s
 - kadi-apy-config-activate-autocompletion command line option, 59
 - kadi-apy-records-add-string-as-file command line option, 80
- t
 - kadi-apy-collections-add-tag command line option, 47
 - kadi-apy-collections-create command line option, 48
 - kadi-apy-collections-edit command line option, 50
 - kadi-apy-collections-get-collection-ids command line option, 52
 - kadi-apy-collections-get-collections command line option, 53
 - kadi-apy-collections-remove-tag command line option, 56
 - kadi-apy-groups-create command line option, 64
 - kadi-apy-groups-edit command line option, 66
 - kadi-apy-misc-get-roles command line option, 71
 - kadi-apy-misc-get-tags command line option, 72
 - kadi-apy-misc-purge-resource command line option, 73
 - kadi-apy-misc-restore-resource command line option, 74
 - kadi-apy-records-add-metadatum command line option, 79
 - kadi-apy-records-add-record-link command line option, 80
 - kadi-apy-records-add-tag command line option, 81
 - kadi-apy-records-create command line option, 83
 - kadi-apy-records-edit command line option, 88
 - kadi-apy-records-get-record-ids command

- line option, 93
 - kadi-apy-records-get-records command line option, 94
 - kadi-apy-records-remove-tag command line option, 97
 - kadi-apy-templates-add-group-role command line option, 102
 - kadi-apy-templates-add-user command line option, 103
 - kadi-apy-templates-create command line option, 104
 - kadi-apy-templates-delete command line option, 105
 - kadi-apy-templates-edit command line option, 106
 - kadi-apy-templates-export command line option, 107
 - kadi-apy-templates-remove-group-role command line option, 109
 - kadi-apy-templates-remove-user command line option, 109
- u
- kadi-apy-collections-add-user command line option, 48
 - kadi-apy-collections-export command line option, 51
 - kadi-apy-collections-get-collections command line option, 54
 - kadi-apy-collections-remove-user command line option, 57
 - kadi-apy-groups-add-user command line option, 63
 - kadi-apy-groups-get-groups command line option, 67
 - kadi-apy-groups-remove-user command line option, 68
 - kadi-apy-records-add-metadatum command line option, 79
 - kadi-apy-records-add-user command line option, 82
 - kadi-apy-records-export command line option, 90
 - kadi-apy-records-get-file command line option, 91
 - kadi-apy-records-get-records command line option, 95
 - kadi-apy-records-remove-user command line option, 98
 - kadi-apy-templates-add-user command line option, 103
 - kadi-apy-templates-export command line option, 107
 - kadi-apy-templates-remove-user command line option, 109
- kadi-apy-users-show-info command line option, 111
- v
- kadi-apy-collections-create command line option, 48
 - kadi-apy-collections-edit command line option, 50
 - kadi-apy-collections-get-collection-ids command line option, 52
 - kadi-apy-collections-get-collections command line option, 54
 - kadi-apy-collections-show-info command line option, 58
 - kadi-apy-groups-create command line option, 64
 - kadi-apy-groups-edit command line option, 66
 - kadi-apy-groups-get-groups command line option, 67
 - kadi-apy-groups-show-info command line option, 69
 - kadi-apy-records-add-metadatum command line option, 78
 - kadi-apy-records-create command line option, 83
 - kadi-apy-records-edit command line option, 88
 - kadi-apy-records-get-record-ids command line option, 93
 - kadi-apy-records-get-records command line option, 95
 - kadi-apy-records-show-info command line option, 99
 - kadi-apy-templates-edit command line option, 106
- y
- kadi-apy-records-edit command line option, 88
 - kadi-apy-templates-create command line option, 104
- ## A
- add_collection_link()
(*kadi_apy.cli.lib.collections.CLICollection method*), 128
 - add_collection_link()
(*kadi_apy.cli.lib.records.CLIRRecord method*), 120
 - add_collection_link()
(*kadi_apy.lib.resources.collections.Collection method*), 26
 - add_collection_link()
(*kadi_apy.lib.resources.records.Record method*), 15

add_group_role() (*kadi_apy.cli.lib.collections.CLICollection* method), 129
 method), 129
 add_group_role() (*kadi_apy.cli.lib.records.CLIRcord* method), 121
 method), 121
 add_group_role() (*kadi_apy.cli.lib.templates.CLITemplate* method), 134
 method), 134
 add_group_role() (*kadi_apy.lib.resources.collections.Collection* method), 134
 method), 26
 add_group_role() (*kadi_apy.lib.resources.records.Record* method), 21
 method), 21
 add_group_role() (*kadi_apy.lib.resources.templates.Template* method), 31
 method), 31
 add_metadata() (*kadi_apy.cli.lib.records.CLIRcord* method), 118
 method), 118
 add_metadata() (*kadi_apy.lib.resources.records.Record* method), 16
 method), 16
 add_metadatum() (*kadi_apy.cli.lib.records.CLIRcord* method), 118
 method), 118
 add_metadatum() (*kadi_apy.lib.resources.records.Record* method), 16
 method), 16
 add_record_link() (*kadi_apy.cli.lib.collections.CLICollection* method), 128
 method), 128
 add_record_link() (*kadi_apy.lib.resources.collections.Collection* method), 25
 method), 25
 add_tag() (*kadi_apy.cli.lib.collections.CLICollection* method), 129
 method), 129
 add_tag() (*kadi_apy.cli.lib.records.CLIRcord* method), 121
 method), 121
 add_tag() (*kadi_apy.lib.resources.collections.Collection* method), 27
 method), 27
 add_tag() (*kadi_apy.lib.resources.records.Record* method), 21
 method), 21
 add_user() (*kadi_apy.cli.lib.collections.CLICollection* method), 129
 method), 129
 add_user() (*kadi_apy.cli.lib.groups.CLIGroup* method), 138
 method), 138
 add_user() (*kadi_apy.cli.lib.records.CLIRcord* method), 121
 method), 121
 add_user() (*kadi_apy.cli.lib.templates.CLITemplate* method), 134
 method), 134
 add_user() (*kadi_apy.lib.resources.collections.Collection* method), 27
 method), 27
 add_user() (*kadi_apy.lib.resources.groups.Group* method), 35
 method), 35
 add_user() (*kadi_apy.lib.resources.records.Record* method), 21
 method), 21
 add_user() (*kadi_apy.lib.resources.templates.Template* method), 31
 method), 31
 apy_command() (in module *kadi_apy.cli.decorators*), 147

C

change_group_role() (*kadi_apy.cli.lib.collections.CLICollection* method), 129
 method), 129
 change_group_role() (*kadi_apy.cli.lib.records.CLIRcord* method), 121
 method), 121
 change_group_role() (*kadi_apy.cli.lib.templates.CLITemplate* method), 134
 method), 134
 change_group_role() (*kadi_apy.lib.resources.collections.Collection* method), 134
 method), 26
 change_group_role() (*kadi_apy.lib.resources.records.Record* method), 21
 method), 21
 change_group_role() (*kadi_apy.lib.resources.templates.Template* method), 31
 method), 31
 change_group_role() (*kadi_apy.lib.resources.records.Record* method), 22
 method), 22
 change_group_role() (*kadi_apy.lib.resources.templates.Template* method), 31
 method), 31
 change_user_role() (*kadi_apy.cli.lib.collections.CLICollection* method), 129
 method), 129
 change_user_role() (*kadi_apy.cli.lib.groups.CLIGroup* method), 138
 method), 138
 change_user_role() (*kadi_apy.cli.lib.records.CLIRcord* method), 122
 method), 122
 change_user_role() (*kadi_apy.cli.lib.templates.CLITemplate* method), 134
 method), 134
 change_user_role() (*kadi_apy.lib.resources.collections.Collection* method), 27
 method), 27
 change_user_role() (*kadi_apy.lib.resources.groups.Group* method), 35
 method), 35
 change_user_role() (*kadi_apy.lib.resources.records.Record* method), 22
 method), 22
 change_user_role() (*kadi_apy.lib.resources.templates.Template* method), 31
 method), 31
 check_metadatum() (*kadi_apy.cli.lib.records.CLIRcord* method), 122
 method), 122
 check_metadatum() (*kadi_apy.lib.resources.records.Record* method), 16
 method), 16
 check_tag() (*kadi_apy.cli.lib.collections.CLICollection* method), 130
 method), 130
 check_tag() (*kadi_apy.cli.lib.records.CLIRcord* method), 122
 method), 122
 check_tag() (*kadi_apy.lib.resources.collections.Collection* method), 27
 method), 27
 check_tag() (*kadi_apy.lib.resources.records.Record* method), 22
 method), 22
 CLICollection (class in *kadi_apy.cli.lib.collections*), 128
 CLIGroup (class in *kadi_apy.cli.lib.groups*), 138
 CLIKadiManager (class in *kadi_apy.cli.core*), 113
 CLIMiscellaneous (class in *kadi_apy.cli.lib.misc*), 143
 CLIRcord (class in *kadi_apy.cli.lib.records*), 117
 CLISearch (class in *kadi_apy.cli.search*), 145
 CLITemplate (class in *kadi_apy.cli.lib.templates*), 133
 CLIUser (class in *kadi_apy.cli.lib.users*), 141
 Collection (class in *kadi_apy.lib.resources.collections*),

- 25
 collection() (*kadi_apy.cli.core.CLIKadiManager method*), 114
 collection() (*kadi_apy.lib.core.KadiManager method*), 13
- ## D
- debug() (*kadi_apy.cli.core.CLIKadiManager method*), 115
 debug() (*kadi_apy.cli.lib.collections.CLICollection method*), 130
 debug() (*kadi_apy.cli.lib.groups.CLIGroup method*), 138
 debug() (*kadi_apy.cli.lib.misc.CLIMiscellaneous method*), 144
 debug() (*kadi_apy.cli.lib.records.CLIRRecord method*), 122
 debug() (*kadi_apy.cli.lib.templates.CLITemplate method*), 135
 debug() (*kadi_apy.cli.lib.users.CLIUser method*), 142
 debug() (*kadi_apy.cli.search.CLISearch method*), 146
 debug() (*kadi_apy.lib.core.KadiManager method*), 14
 debug() (*kadi_apy.lib.misc.Miscellaneous method*), 39
 debug() (*kadi_apy.lib.resources.collections.Collection method*), 28
 debug() (*kadi_apy.lib.resources.groups.Group method*), 35
 debug() (*kadi_apy.lib.resources.records.Record method*), 22
 debug() (*kadi_apy.lib.resources.templates.Template method*), 32
 debug() (*kadi_apy.lib.resources.users.User method*), 37
 debug() (*kadi_apy.lib.search.Search method*), 41
 delete() (*kadi_apy.cli.lib.collections.CLICollection method*), 130
 delete() (*kadi_apy.cli.lib.groups.CLIGroup method*), 139
 delete() (*kadi_apy.cli.lib.records.CLIRRecord method*), 122
 delete() (*kadi_apy.cli.lib.templates.CLITemplate method*), 135
 delete() (*kadi_apy.lib.resources.collections.Collection method*), 28
 delete() (*kadi_apy.lib.resources.groups.Group method*), 35
 delete() (*kadi_apy.lib.resources.records.Record method*), 22
 delete() (*kadi_apy.lib.resources.templates.Template method*), 32
 delete_file() (*kadi_apy.cli.lib.records.CLIRRecord method*), 120
 delete_file() (*kadi_apy.lib.resources.records.Record method*), 21
 delete_files() (*kadi_apy.cli.lib.records.CLIRRecord method*), 120
 delete_record_link() (*kadi_apy.cli.lib.records.CLIRRecord method*), 119
 delete_record_link() (*kadi_apy.lib.resources.records.Record method*), 19
 download_all_files() (*kadi_apy.cli.lib.records.CLIRRecord method*), 122
 download_all_files() (*kadi_apy.lib.resources.records.Record method*), 17
 download_file() (*kadi_apy.cli.lib.records.CLIRRecord method*), 123
 download_file() (*kadi_apy.lib.resources.records.Record method*), 17
- ## E
- echo() (*kadi_apy.cli.core.CLIKadiManager method*), 115
 echo() (*kadi_apy.lib.core.KadiManager method*), 15
 edit() (*kadi_apy.cli.lib.collections.CLICollection method*), 130
 edit() (*kadi_apy.cli.lib.groups.CLIGroup method*), 139
 edit() (*kadi_apy.cli.lib.records.CLIRRecord method*), 123
 edit() (*kadi_apy.cli.lib.templates.CLITemplate method*), 135
 edit() (*kadi_apy.lib.resources.collections.Collection method*), 28
 edit() (*kadi_apy.lib.resources.groups.Group method*), 36
 edit() (*kadi_apy.lib.resources.records.Record method*), 22
 edit() (*kadi_apy.lib.resources.templates.Template method*), 32
 edit_file() (*kadi_apy.cli.lib.records.CLIRRecord method*), 119
 edit_file() (*kadi_apy.lib.resources.records.Record method*), 21
 error() (*kadi_apy.cli.core.CLIKadiManager method*), 115
 error() (*kadi_apy.cli.lib.collections.CLICollection method*), 130
 error() (*kadi_apy.cli.lib.groups.CLIGroup method*), 139
 error() (*kadi_apy.cli.lib.misc.CLIMiscellaneous method*), 144
 error() (*kadi_apy.cli.lib.records.CLIRRecord method*), 123
 error() (*kadi_apy.cli.lib.templates.CLITemplate method*), 135

- error() (*kadi_apy.cli.lib.users.CLIClient method*), 142
 error() (*kadi_apy.cli.search.CLISearch method*), 146
 error() (*kadi_apy.lib.core.KadiManager method*), 14
 error() (*kadi_apy.lib.misc.Miscellaneous method*), 39
 error() (*kadi_apy.lib.resources.collections.Collection method*), 28
 error() (*kadi_apy.lib.resources.groups.Group method*), 36
 error() (*kadi_apy.lib.resources.records.Record method*), 23
 error() (*kadi_apy.lib.resources.templates.Template method*), 32
 error() (*kadi_apy.lib.resources.users.User method*), 37
 error() (*kadi_apy.lib.search.Search method*), 41
 export() (*kadi_apy.cli.lib.collections.CLIClient method*), 130
 export() (*kadi_apy.cli.lib.records.CLIClient method*), 123
 export() (*kadi_apy.cli.lib.templates.CLIClient method*), 135
 export() (*kadi_apy.lib.resources.collections.Collection method*), 28
 export() (*kadi_apy.lib.resources.records.Record method*), 23
 export() (*kadi_apy.lib.resources.templates.Template method*), 32
- ## F
- file_id_options() (in *module kadi_apy.cli.decorators*), 148
 flatten_extras() (*kadi_apy.cli.lib.records.CLIClient method*), 123
 flatten_extras() (*kadi_apy.lib.resources.records.Record method*), 21
- ## G
- get_collection_links() (*kadi_apy.cli.lib.records.CLIClient method*), 124
 get_collection_links() (*kadi_apy.lib.resources.records.Record method*), 20
 get_collection_revision() (*kadi_apy.cli.lib.collections.CLIClient method*), 131
 get_collection_revision() (*kadi_apy.lib.resources.collections.Collection method*), 26
 get_collection_revisions() (*kadi_apy.cli.lib.collections.CLIClient method*), 131
 get_collection_revisions() (*kadi_apy.lib.resources.collections.Collection method*), 26
 get_collections() (*kadi_apy.cli.lib.collections.CLIClient method*), 131
 get_collections() (*kadi_apy.cli.lib.groups.CLIClient method*), 139
 get_collections() (*kadi_apy.lib.resources.collections.Collection method*), 26
 get_collections() (*kadi_apy.lib.resources.groups.Group method*), 34
 get_deleted_resources() (*kadi_apy.cli.lib.misc.CLIClient method*), 143
 get_deleted_resources() (*kadi_apy.lib.misc.Miscellaneous method*), 38
 get_file() (*kadi_apy.cli.lib.records.CLIClient method*), 118
 get_file_id() (*kadi_apy.cli.lib.records.CLIClient method*), 124
 get_file_id() (*kadi_apy.lib.resources.records.Record method*), 20
 get_file_info() (*kadi_apy.cli.lib.records.CLIClient method*), 124
 get_file_info() (*kadi_apy.lib.resources.records.Record method*), 20
 get_file_name() (*kadi_apy.cli.lib.records.CLIClient method*), 124
 get_file_name() (*kadi_apy.lib.resources.records.Record method*), 19
 get_file_revision() (*kadi_apy.cli.lib.records.CLIClient method*), 124
 get_file_revision() (*kadi_apy.lib.resources.records.Record method*), 18
 get_file_revisions() (*kadi_apy.cli.lib.records.CLIClient method*), 125
 get_file_revisions() (*kadi_apy.lib.resources.records.Record method*), 17
 get_filelist() (*kadi_apy.cli.lib.records.CLIClient method*), 125
 get_filelist() (*kadi_apy.lib.resources.records.Record method*), 18
 get_group_revision() (*kadi_apy.cli.lib.groups.CLIClient method*), 139
 get_group_revision() (*kadi_apy.lib.resources.groups.Group method*), 35
 get_group_revisions() (*kadi_apy.cli.lib.groups.CLIClient method*), 139
 get_group_revisions() (*kadi_apy.lib.resources.groups.Group method*), 35

(*kadi_apy.lib.resources.groups.Group* method), 35
get_groups() (*kadi_apy.cli.lib.collections.CLICollection* method), 131
get_groups() (*kadi_apy.cli.lib.records.CLIRcord* method), 125
get_groups() (*kadi_apy.cli.lib.templates.CLITemplate* method), 136
get_groups() (*kadi_apy.lib.resources.collections.Collection* method), 25
get_groups() (*kadi_apy.lib.resources.records.Record* method), 18
get_groups() (*kadi_apy.lib.resources.templates.Template* method), 31
get_kadi_info() (*kadi_apy.cli.lib.misc.CLIMiscellaneous* method), 143
get_kadi_info() (*kadi_apy.lib.misc.Miscellaneous* method), 39
get_licenses() (*kadi_apy.cli.lib.misc.CLIMiscellaneous* method), 143
get_licenses() (*kadi_apy.lib.misc.Miscellaneous* method), 39
get_metadatum() (*kadi_apy.cli.lib.records.CLIRcord* method), 119
get_metadatum() (*kadi_apy.lib.resources.records.Record* method), 19
get_number_files() (*kadi_apy.cli.lib.records.CLIRcord* method), 125
get_number_files() (*kadi_apy.lib.resources.records.Record* method), 19
get_record_links() (*kadi_apy.cli.lib.records.CLIRcord* method), 119
get_record_links() (*kadi_apy.lib.resources.records.Record* method), 20
get_record_revision() (*kadi_apy.cli.lib.records.CLIRcord* method), 125
get_record_revision() (*kadi_apy.lib.resources.records.Record* method), 18
get_record_revisions() (*kadi_apy.cli.lib.records.CLIRcord* method), 125
get_record_revisions() (*kadi_apy.lib.resources.records.Record* method), 18
get_records() (*kadi_apy.cli.lib.collections.CLICollection* method), 131
get_records() (*kadi_apy.cli.lib.groups.CLIGroup* method), 139
get_records() (*kadi_apy.lib.resources.collections.Collection* method), 26
get_records() (*kadi_apy.lib.resources.groups.Group* method), 34
get_roles() (*kadi_apy.cli.lib.misc.CLIMiscellaneous* method), 143
get_roles() (*kadi_apy.lib.misc.Miscellaneous* method), 39
get_tags() (*kadi_apy.cli.lib.collections.CLICollection* method), 132
get_tags() (*kadi_apy.cli.lib.misc.CLIMiscellaneous* method), 144
get_tags() (*kadi_apy.cli.lib.records.CLIRcord* method), 126
get_tags() (*kadi_apy.lib.misc.Miscellaneous* method), 39
get_tags() (*kadi_apy.lib.resources.collections.Collection* method), 28
get_tags() (*kadi_apy.lib.resources.records.Record* method), 23
get_template_revision() (*kadi_apy.cli.lib.templates.CLITemplate* method), 136
get_template_revision() (*kadi_apy.lib.resources.templates.Template* method), 30
get_template_revisions() (*kadi_apy.cli.lib.templates.CLITemplate* method), 136
get_template_revisions() (*kadi_apy.lib.resources.templates.Template* method), 30
get_templates() (*kadi_apy.cli.lib.groups.CLIGroup* method), 140
get_templates() (*kadi_apy.lib.resources.groups.Group* method), 34
get_users() (*kadi_apy.cli.lib.collections.CLICollection* method), 132
get_users() (*kadi_apy.cli.lib.groups.CLIGroup* method), 140
get_users() (*kadi_apy.cli.lib.records.CLIRcord* method), 126
get_users() (*kadi_apy.cli.lib.templates.CLITemplate* method), 136
get_users() (*kadi_apy.lib.resources.collections.Collection* method), 25
get_users() (*kadi_apy.lib.resources.groups.Group* method), 34
get_users() (*kadi_apy.lib.resources.records.Record* method), 18
get_users() (*kadi_apy.lib.resources.templates.Template* method), 30
Group (class in *kadi_apy.lib.resources.groups*), 34
group() (*kadi_apy.cli.core.CLIKadiManager* method), 114
group() (*kadi_apy.lib.core.KadiManager* method), 13

H

`has_file()` (*kadi_apy.cli.lib.records.CLIRcord method*), 126

`has_file()` (*kadi_apy.lib.resources.records.Record method*), 20

I

`id_identifier_options()` (in module *kadi_apy.cli.decorators*), 147

`import_eIn()` (*kadi_apy.cli.lib.misc.CLIMiscellaneous method*), 144

`import_eIn()` (*kadi_apy.lib.misc.Miscellaneous method*), 39

`info()` (*kadi_apy.cli.core.CLIKadiManager method*), 115

`info()` (*kadi_apy.cli.lib.collections.CLICollection method*), 132

`info()` (*kadi_apy.cli.lib.groups.CLIGroup method*), 140

`info()` (*kadi_apy.cli.lib.misc.CLIMiscellaneous method*), 144

`info()` (*kadi_apy.cli.lib.records.CLIRcord method*), 126

`info()` (*kadi_apy.cli.lib.templates.CLITemplate method*), 136

`info()` (*kadi_apy.cli.lib.users.CLIUser method*), 142

`info()` (*kadi_apy.cli.search.CLISearch method*), 146

`info()` (*kadi_apy.lib.core.KadiManager method*), 14

`info()` (*kadi_apy.lib.misc.Miscellaneous method*), 40

`info()` (*kadi_apy.lib.resources.collections.Collection method*), 28

`info()` (*kadi_apy.lib.resources.groups.Group method*), 36

`info()` (*kadi_apy.lib.resources.records.Record method*), 23

`info()` (*kadi_apy.lib.resources.templates.Template method*), 32

`info()` (*kadi_apy.lib.resources.users.User method*), 37

`info()` (*kadi_apy.lib.search.Search method*), 41

`is_verbose()` (*kadi_apy.cli.core.CLIKadiManager method*), 115

`is_verbose()` (*kadi_apy.cli.lib.collections.CLICollection method*), 132

`is_verbose()` (*kadi_apy.cli.lib.groups.CLIGroup method*), 140

`is_verbose()` (*kadi_apy.cli.lib.misc.CLIMiscellaneous method*), 144

`is_verbose()` (*kadi_apy.cli.lib.records.CLIRcord method*), 126

`is_verbose()` (*kadi_apy.cli.lib.templates.CLITemplate method*), 136

`is_verbose()` (*kadi_apy.cli.lib.users.CLIUser method*), 142

`is_verbose()` (*kadi_apy.cli.search.CLISearch method*), 146

`is_verbose()` (*kadi_apy.lib.core.KadiManager method*), 14

`is_verbose()` (*kadi_apy.lib.misc.Miscellaneous method*), 40

`is_verbose()` (*kadi_apy.lib.resources.collections.Collection method*), 29

`is_verbose()` (*kadi_apy.lib.resources.groups.Group method*), 36

`is_verbose()` (*kadi_apy.lib.resources.records.Record method*), 23

`is_verbose()` (*kadi_apy.lib.resources.templates.Template method*), 32

`is_verbose()` (*kadi_apy.lib.resources.users.User method*), 37

`is_verbose()` (*kadi_apy.lib.search.Search method*), 41

K

`kadi_apy.cli.decorators` module, 147

`kadi_apy.lib.exceptions` module, 42

`kadi-apy` command line option

--commands, 43

--version, 43

`kadi-apy-collections` command line option

--commands, 44

--version, 44

`kadi-apy-collections-add-collection-link` command line option

-C, 44

-I, 44

-L, 44

-V, 44

--collection-id, 44

--collection-id-child, 44

--collection-identifier, 44

--collection-identifier-child, 44

--instance, 44

--verbose, 44

--version, 44

--xmlhelp, 44

-c, 44

-l, 44

`kadi-apy-collections-add-group-role` command line option

-C, 45

-G, 45

-I, 45

-V, 45

--collection-id, 45

--collection-identifier, 45

--group-id, 45

--group-identifier, 45

--instance, 45


```

--permission-new, 45
--verbose, 45
--version, 45
--xmlhelp, 45
-c, 45
-g, 45
-p, 45
kadi-apy-collections-add-record-link
  command line option
  -C, 46
  -I, 46
  -R, 46
  -V, 46
  --collection-id, 46
  --collection-identifier, 46
  --instance, 46
  --record-id, 46
  --record-identifier, 46
  --verbose, 46
  --version, 46
  --xmlhelp, 46
  -c, 46
  -r, 46
kadi-apy-collections-add-tag command line
  option
  -C, 47
  -I, 47
  -V, 46
  --collection-id, 47
  --collection-identifier, 47
  --instance, 47
  --tag, 47
  --verbose, 46
  --version, 46
  --xmlhelp, 46
  -c, 47
  -t, 47
kadi-apy-collections-add-user command line
  option
  -C, 47
  -D, 47
  -I, 47
  -U, 48
  -V, 47
  --collection-id, 47
  --collection-identifier, 47
  --identity-type, 47
  --instance, 47
  --permission-new, 48
  --user, 48
  --username, 48
  --verbose, 47
  --version, 47
  --xmlhelp, 47
  -c, 47
  -p, 48
  -u, 48
kadi-apy-collections-create command line
  option
  -I, 48
  -V, 48
  --exit-not-created, 49
  --identifier, 48
  --instance, 48
  --pipe, 49
  --title, 48
  --verbose, 48
  --version, 48
  --visibility, 48
  --xmlhelp, 48
  -e, 49
  -i, 48
  -p, 49
  -t, 48
  -v, 48
kadi-apy-collections-delete command line
  option
  -C, 49
  -I, 49
  -V, 49
  --collection-id, 49
  --collection-identifier, 49
  --i-am-sure, 49
  --instance, 49
  --verbose, 49
  --version, 49
  --xmlhelp, 49
  -c, 49
kadi-apy-collections-edit command line
  option
  -C, 50
  -I, 50
  -V, 50
  --collection-id, 50
  --collection-identifier, 50
  --description, 50
  --instance, 50
  --title, 50
  --verbose, 50
  --version, 50
  --visibility, 50
  --xmlhelp, 50
  -c, 50
  -d, 50
  -t, 50
  -v, 50
kadi-apy-collections-export command line
  option

```

```

-C, 51
-I, 51
-P, 51
-V, 51
--collection-id, 51
--collection-identifier, 51
--export-type, 51
--force, 51
--instance, 51
--name, 51
--path, 51
--pipe, 51
--use-folder, 51
--verbose, 51
--version, 51
--xmlhelp, 51
-c, 51
-e, 51
-f, 51
-n, 51
-p, 51
-u, 51
kadi-apy-collections-get-collection-ids
    command line option
-I, 52
-T, 52
-V, 52
--i-am-sure, 52
--instance, 52
--pipe, 52
--tag, 52
--tag-operator, 52
--verbose, 52
--version, 52
--visibility, 52
--xmlhelp, 52
-p, 52
-t, 52
-v, 52
kadi-apy-collections-get-collections
    command line option
-D, 53
-I, 53
-T, 53
-U, 54
-V, 53
--identity-type, 53
--instance, 53
--page, 53
--per-page, 53
--query, 54
--tag, 53
--tag-operator, 53
--use-my-user-id, 54
--user, 54
--username, 54
--verbose, 53
--version, 53
--visibility, 54
--xmlhelp, 53
-i, 54
-n, 53
-p, 53
-q, 54
-t, 53
-u, 54
-v, 54
kadi-apy-collections-remove-collection-link
    command line option
-C, 54
-I, 54
-L, 54
-V, 54
--collection-id, 54
--collection-id-child, 54
--collection-identifier, 54
--collection-identifier-child, 54
--instance, 54
--verbose, 54
--version, 54
--xmlhelp, 54
-c, 54
-l, 54
kadi-apy-collections-remove-group-role
    command line option
-C, 55
-G, 55
-I, 55
-V, 55
--collection-id, 55
--collection-identifier, 55
--group-id, 55
--group-identifier, 55
--instance, 55
--verbose, 55
--version, 55
--xmlhelp, 55
-c, 55
-g, 55
kadi-apy-collections-remove-record-link
    command line option
-C, 56
-I, 56
-R, 56
-V, 55
--collection-id, 56
--collection-identifier, 56
--instance, 56

```

--record-id, 56
 --record-identifier, 56
 --verbose, 55
 --version, 55
 --xmlhelp, 55
 -c, 56
 -r, 56

kadi-apy-collections-remove-tag command
 line option
 -C, 56
 -I, 56
 -V, 56
 --collection-id, 56
 --collection-identifier, 56
 --instance, 56
 --tag, 56
 --verbose, 56
 --version, 56
 --xmlhelp, 56
 -c, 56
 -t, 56

kadi-apy-collections-remove-user command
 line option
 -C, 57
 -D, 57
 -I, 57
 -U, 57
 -V, 57
 --collection-id, 57
 --collection-identifier, 57
 --identity-type, 57
 --instance, 57
 --user, 57
 --username, 57
 --verbose, 57
 --version, 57
 --xmlhelp, 57
 -c, 57
 -u, 57

kadi-apy-collections-show-info command line
 option
 -C, 58
 -I, 58
 -V, 58
 --collection-id, 58
 --collection-identifier, 58
 --description, 58
 --instance, 58
 --page, 58
 --per-page, 58
 --records, 58
 --verbose, 58
 --version, 58
 --visibility, 58

--xmlhelp, 58
 -c, 58
 -d, 58
 -n, 58
 -p, 58
 -r, 58
 -v, 58

kadi-apy-config command line option
 --commands, 59
 --version, 59

kadi-apy-config-activate-autocompletion
 command line option
 --shell, 59
 --version, 59
 --xmlhelp, 59
 -s, 59

kadi-apy-config-add-instance command line
 option
 -I, 59
 --instance, 59
 --version, 59
 --xmlhelp, 59

kadi-apy-config-change-default-instance
 command line option
 -I, 60
 --instance, 60
 --version, 60
 --xmlhelp, 60

kadi-apy-config-create command line option
 --version, 60
 --xmlhelp, 60

kadi-apy-config-get-kadi-info command line
 option
 -I, 61
 -V, 60
 --instance, 61
 --verbose, 60
 --version, 60
 --xmlhelp, 60

kadi-apy-config-rename-instance command
 line option
 -I, 61
 -N, 61
 --instance, 61
 --instance-new, 61
 --version, 61
 --xmlhelp, 61

kadi-apy-config-set-host command line
 option
 -I, 61
 --instance, 61
 --version, 61
 --xmlhelp, 61

kadi-apy-config-set-pat command line option

- I, 62
- instance, 62
- version, 62
- xmlhelp, 62
- kadi-apy-config-show-instances command line option
 - version, 62
 - xmlhelp, 62
- kadi-apy-groups command line option
 - commands, 62
 - version, 62
- kadi-apy-groups-add-user command line option
 - D, 63
 - G, 63
 - I, 63
 - U, 63
 - V, 63
 - group-id, 63
 - group-identifier, 63
 - identity-type, 63
 - instance, 63
 - permission-new, 63
 - user, 63
 - username, 63
 - verbose, 63
 - version, 63
 - xmlhelp, 63
 - g, 63
 - p, 63
 - u, 63
- kadi-apy-groups-create command line option
 - I, 64
 - V, 64
 - exit-not-created, 64
 - identifier, 64
 - instance, 64
 - pipe, 64
 - title, 64
 - verbose, 64
 - version, 64
 - visibility, 64
 - xmlhelp, 64
 - e, 64
 - i, 64
 - p, 64
 - t, 64
 - v, 64
- kadi-apy-groups-delete command line option
 - G, 65
 - I, 65
 - V, 65
 - group-id, 65
 - group-identifier, 65
 - i-am-sure, 65
 - instance, 65
 - verbose, 65
 - version, 65
 - xmlhelp, 65
 - g, 65
- kadi-apy-groups-edit command line option
 - G, 66
 - I, 66
 - V, 65
 - description, 66
 - group-id, 66
 - group-identifier, 66
 - instance, 66
 - title, 66
 - verbose, 65
 - version, 65
 - visibility, 66
 - xmlhelp, 65
 - d, 66
 - g, 66
 - t, 66
 - v, 66
- kadi-apy-groups-get-groups command line option
 - D, 67
 - I, 66
 - U, 67
 - V, 66
 - identity-type, 67
 - instance, 66
 - my_user_id, 67
 - page, 67
 - per-page, 66
 - user, 67
 - username, 67
 - verbose, 66
 - version, 66
 - visibility, 67
 - xmlhelp, 66
 - i, 67
 - n, 66
 - p, 67
 - u, 67
 - v, 67
- kadi-apy-groups-remove-user command line option
 - D, 68
 - G, 68
 - I, 68
 - U, 68
 - V, 67
 - group-id, 68
 - group-identifier, 68

```

--identity-type, 68
--instance, 68
--user, 68
--username, 68
--verbose, 67
--version, 67
--xmlhelp, 67
-g, 68
-u, 68
kadi-apy-groups-show-info command line
  option
  -G, 68
  -I, 68
  -V, 68
  --description, 68
  --group-id, 68
  --group-identifier, 68
  --instance, 68
  --verbose, 68
  --version, 68
  --visibility, 69
  --xmlhelp, 68
  -d, 68
  -g, 68
  -v, 69
kadi-apy-misc command line option
  --commands, 69
  --version, 69
kadi-apy-misc-get-deleted-resources command
  line option
  -I, 69
  -V, 69
  --filter, 70
  --instance, 69
  --page, 70
  --per-page, 69
  --verbose, 69
  --version, 69
  --xmlhelp, 69
  -f, 70
  -n, 69
  -p, 70
kadi-apy-misc-get-licenses command line
  option
  -I, 70
  -V, 70
  --filter, 70
  --instance, 70
  --page, 70
  --per-page, 70
  --verbose, 70
  --version, 70
  --xmlhelp, 70
  -f, 70
  -n, 70
  -p, 70
kadi-apy-misc-get-roles command line option
  -I, 71
  -V, 71
  --instance, 71
  --item-type, 71
  --verbose, 71
  --version, 71
  --xmlhelp, 71
  -t, 71
kadi-apy-misc-get-tags command line option
  -I, 72
  -V, 71
  --filter, 72
  --instance, 72
  --page, 72
  --per-page, 72
  --type, 72
  --verbose, 71
  --version, 71
  --xmlhelp, 71
  -f, 72
  -n, 72
  -p, 72
  -t, 72
kadi-apy-misc-import-file command line
  option
  -I, 73
  -V, 72
  --instance, 73
  --verbose, 72
  --version, 72
  --xmlhelp, 72
  PATH, 73
kadi-apy-misc-purge-resource command line
  option
  -I, 73
  -V, 73
  --instance, 73
  --item-id, 73
  --item-type, 73
  --verbose, 73
  --version, 73
  --xmlhelp, 73
  -i, 73
  -t, 73
kadi-apy-misc-restore-resource command line
  option
  -I, 74
  -V, 74
  --instance, 74
  --item-id, 74
  --item-type, 74

```

- verbose, 74
- version, 74
- xmlhelp, 74
- i, 74
- t, 74
- kadi-apy-records command line option
 - commands, 74
 - version, 74
- kadi-apy-records-add-collection-link command line option
 - C, 75
 - I, 75
 - R, 75
 - V, 75
 - collection-id, 75
 - collection-identifier, 75
 - instance, 75
 - record-id, 75
 - record-identifier, 75
 - verbose, 75
 - version, 75
 - xmlhelp, 75
 - c, 75
 - r, 75
- kadi-apy-records-add-files command line option
 - I, 76
 - R, 76
 - V, 75
 - exclude_pattern, 76
 - file-description, 76
 - file-name, 76
 - force, 76
 - instance, 76
 - pattern, 76
 - record-id, 76
 - record-identifier, 76
 - verbose, 75
 - version, 75
 - xmlhelp, 75
 - d, 76
 - e, 76
 - f, 76
 - n, 76
 - p, 76
 - r, 76
- kadi-apy-records-add-group-role command line option
 - G, 77
 - I, 77
 - R, 77
 - V, 76
 - group-id, 77
 - group-identifier, 77
 - instance, 77
 - permission-new, 77
 - record-id, 77
 - record-identifier, 77
 - verbose, 76
 - version, 76
 - xmlhelp, 76
 - g, 77
 - p, 77
 - r, 77
- kadi-apy-records-add-metadata command line option
 - I, 77
 - R, 78
 - V, 77
 - file, 78
 - force, 78
 - instance, 77
 - metadata, 78
 - record-id, 78
 - record-identifier, 78
 - verbose, 77
 - version, 77
 - xmlhelp, 77
 - f, 78
 - m, 78
 - p, 78
 - r, 78
- kadi-apy-records-add-metadatum command line option
 - I, 78
 - R, 78
 - V, 78
 - force, 79
 - instance, 78
 - metadatum, 78
 - record-id, 78
 - record-identifier, 78
 - type, 79
 - unit, 79
 - value, 78
 - verbose, 78
 - version, 78
 - xmlhelp, 78
 - f, 79
 - m, 78
 - r, 78
 - t, 79
 - u, 79
 - v, 78
- kadi-apy-records-add-record-link command line option
 - I, 79
 - L, 79

```

-R, 79
-T, 79
-V, 79
--instance, 79
--name, 80
--record-id, 79
--record-id-link, 80
--record-identifier, 79
--record-identifier-link, 79
--record-ids, 79
--term, 80
--verbose, 79
--version, 79
--xmlhelp, 79
-l, 80
-n, 80
-r, 79
-t, 80
kadi-apy-records-add-string-as-file command
  line option
-I, 80
-R, 80
-V, 80
--file-name, 80
--force, 80
--instance, 80
--record-id, 80
--record-identifier, 80
--string, 80
--verbose, 80
--version, 80
--xmlhelp, 80
-f, 80
-n, 80
-r, 80
-s, 80
kadi-apy-records-add-tag command line
  option
-I, 81
-R, 81
-V, 81
--instance, 81
--record-id, 81
--record-identifier, 81
--tag, 81
--verbose, 81
--version, 81
--xmlhelp, 81
-r, 81
-t, 81
kadi-apy-records-add-user command line
  option
-D, 82
-I, 82
-R, 82
-U, 82
-V, 81
--identity-type, 82
--instance, 82
--permission-new, 82
--record-id, 82
--record-identifier, 82
--user, 82
--username, 82
--verbose, 81
--version, 81
--xmlhelp, 81
-p, 82
-r, 82
-u, 82
kadi-apy-records-create command line option
-I, 82
-V, 82
--exit-not-created, 83
--identifier, 83
--instance, 82
--pipe, 83
--title, 83
--verbose, 82
--version, 82
--visibility, 83
--xmlhelp, 82
-e, 83
-i, 83
-p, 83
-t, 83
-v, 83
kadi-apy-records-delete command line option
-I, 83
-R, 83
-V, 83
--i-am-sure, 84
--instance, 83
--record-id, 84
--record-identifier, 83
--verbose, 83
--version, 83
--xmlhelp, 83
-r, 84
kadi-apy-records-delete-all-metadata
  command line option
-I, 84
-R, 84
-V, 84
--i-am-sure, 84
--instance, 84
--record-id, 84
--record-identifier, 84

```

```
--verbose, 84
--version, 84
--xmlhelp, 84
-r, 84
kadi-apy-records-delete-file command line
  option
  -I, 85
  -R, 85
  -V, 85
  --file-id, 85
  --file-name, 85
  --instance, 85
  --record-id, 85
  --record-identifier, 85
  --verbose, 85
  --version, 85
  --xmlhelp, 85
  -i, 85
  -n, 85
  -r, 85
kadi-apy-records-delete-files command line
  option
  -I, 86
  -R, 86
  -V, 85
  --i-am-sure, 86
  --instance, 86
  --record-id, 86
  --record-identifier, 86
  --verbose, 85
  --version, 85
  --xmlhelp, 85
  -r, 86
kadi-apy-records-delete-metadatum command
  line option
  -I, 86
  -R, 86
  -V, 86
  --instance, 86
  --metadatum, 86
  --record-id, 86
  --record-identifier, 86
  --verbose, 86
  --version, 86
  --xmlhelp, 86
  -m, 86
  -r, 86
kadi-apy-records-delete-record-link command
  line option
  -I, 87
  -R, 87
  -V, 87
  --instance, 87
  --record-id, 87
  --record-identifier, 87
  --record-link-id, 87
  --verbose, 87
  --version, 87
  --xmlhelp, 87
  -l, 87
  -r, 87
kadi-apy-records-edit command line option
  -I, 88
  -R, 88
  -V, 87
  --description, 88
  --instance, 88
  --license, 88
  --record-id, 88
  --record-identifier, 88
  --title, 88
  --type, 88
  --verbose, 87
  --version, 87
  --visibility, 88
  --xmlhelp, 87
  -d, 88
  -l, 88
  -r, 88
  -t, 88
  -v, 88
  -y, 88
kadi-apy-records-edit-file command line
  option
  -I, 88
  -R, 88
  -V, 88
  --file-id, 89
  --file-name, 89
  --instance, 88
  --mimetype, 89
  --name, 89
  --record-id, 89
  --record-identifier, 88
  --verbose, 88
  --version, 88
  --xmlhelp, 88
  -a, 89
  -i, 89
  -m, 89
  -n, 89
  -r, 89
kadi-apy-records-export command line option
  -I, 89
  -P, 90
  -R, 89
  -T, 89
  -V, 89
```



```

--export-type, 89
--force, 90
--instance, 89
--name, 90
--path, 90
--pipe, 90
--record-id, 89
--record-identifier, 89
--record-ids, 89
--use-folder, 90
--verbose, 89
--version, 89
--xmlhelp, 89
-e, 89
-f, 90
-n, 90
-p, 90
-r, 89
-u, 90
kadi-apy-records-get-file command line
  option
  -E, 91
  -I, 91
  -P, 91
  -R, 91
  -T, 91
  -V, 90
  --exclude_pattern, 91
  --file-id, 91
  --file-name, 91
  --filepath, 91
  --force, 91
  --instance, 91
  --pattern, 91
  --pipe, 91
  --record-id, 91
  --record-identifier, 91
  --record-ids, 91
  --use-folder, 91
  --verbose, 90
  --version, 90
  --xmlhelp, 90
  -e, 91
  -f, 91
  -i, 91
  -n, 91
  -p, 91
  -r, 91
  -u, 91
kadi-apy-records-get-metadatum command line
  option
  -I, 92
  -R, 92
  -V, 92
  --information, 92
  --instance, 92
  --name, 92
  --pipe, 92
  --record-id, 92
  --record-identifier, 92
  --verbose, 92
  --version, 92
  --xmlhelp, 92
  -i, 92
  -n, 92
  -p, 92
  -r, 92
kadi-apy-records-get-record-ids command
  line option
  -C, 93
  -I, 93
  -T, 93
  -V, 93
  --child_collections, 93
  --collection, 93
  --i-am-sure, 94
  --instance, 93
  --mimetype, 93
  --pipe, 93
  --tag, 93
  --tag-operator, 93
  --verbose, 93
  --version, 93
  --visibility, 93
  --xmlhelp, 93
  -c, 93
  -m, 93
  -p, 93
  -t, 93
  -v, 93
kadi-apy-records-get-records command line
  option
  -C, 94
  -D, 95
  -I, 94
  -T, 94
  -U, 95
  -V, 94
  --child_collections, 94
  --collection, 94
  --identity-type, 95
  --instance, 94
  --mimetype, 94
  --page, 95
  --per-page, 95
  --query, 95
  --tag, 94
  --tag-operator, 94

```

```
--use-my-user-id, 95
--user, 95
--username, 95
--verbose, 94
--version, 94
--visibility, 95
--xmlhelp, 94
-c, 94
-i, 95
-m, 94
-n, 95
-p, 95
-q, 95
-t, 94
-u, 95
-v, 95
kadi-apy-records-remove-collection-link
  command line option
  -C, 96
  -I, 96
  -R, 96
  -V, 96
  --collection-id, 96
  --collection-identifier, 96
  --instance, 96
  --record-id, 96
  --record-identifier, 96
  --verbose, 96
  --version, 96
  --xmlhelp, 96
  -c, 96
  -r, 96
kadi-apy-records-remove-group-role command
  line option
  -G, 97
  -I, 96
  -R, 97
  -V, 96
  --group-id, 97
  --group-identifier, 97
  --instance, 96
  --record-id, 97
  --record-identifier, 97
  --verbose, 96
  --version, 96
  --xmlhelp, 96
  -g, 97
  -r, 97
kadi-apy-records-remove-tag command line
  option
  -I, 97
  -R, 97
  -V, 97
  --instance, 97
  --record-id, 97
  --record-identifier, 97
  --tag, 97
  --verbose, 97
  --version, 97
  --xmlhelp, 97
  -r, 97
  -t, 97
kadi-apy-records-remove-user command line
  option
  -D, 98
  -I, 98
  -R, 98
  -U, 98
  -V, 98
  --identity-type, 98
  --instance, 98
  --record-id, 98
  --record-identifier, 98
  --user, 98
  --username, 98
  --verbose, 98
  --version, 98
  --xmlhelp, 98
  -r, 98
  -u, 98
kadi-apy-records-show-info command line
  option
  -I, 99
  -R, 99
  -V, 99
  --description, 99
  --filelist, 99
  --instance, 99
  --metadata, 99
  --page, 99
  --per-page, 99
  --pipe, 99
  --record-id, 99
  --record-identifier, 99
  --verbose, 99
  --version, 99
  --visibility, 99
  --xmlhelp, 99
  -d, 99
  -i, 99
  -l, 99
  -m, 99
  -n, 99
  -p, 99
  -r, 99
  -v, 99
kadi-apy-records-show-record-links-to
  command line option
```

-I, 100
 -R, 100
 -V, 100
 --direction, 100
 --instance, 100
 --page, 100
 --per-page, 100
 --record-id, 100
 --record-identifier, 100
 --verbose, 100
 --version, 100
 --xmlhelp, 100
 -d, 100
 -n, 100
 -p, 100
 -r, 100

kadi-apy-records-update-record-link command line option

-I, 101
 -R, 101
 -V, 101
 --instance, 101
 --name, 101
 --record-id, 101
 --record-identifier, 101
 --record-link-id, 101
 --verbose, 101
 --version, 101
 --xmlhelp, 101
 -l, 101
 -n, 101
 -r, 101

kadi-apy-templates command line option

--commands, 101
 --version, 101

kadi-apy-templates-add-group-role command line option

-G, 102
 -I, 102
 -T, 102
 -V, 102
 --group-id, 102
 --group-identifier, 102
 --instance, 102
 --permission-new, 102
 --template-id, 102
 --template-identifier, 102
 --verbose, 102
 --version, 102
 --xmlhelp, 102
 -g, 102
 -p, 102
 -t, 102

kadi-apy-templates-add-user command line option

-D, 103
 -I, 103
 -T, 103
 -U, 103
 -V, 103
 --identity-type, 103
 --instance, 103
 --permission-new, 103
 --template-id, 103
 --template-identifier, 103
 --user, 103
 --username, 103
 --verbose, 103
 --version, 103
 --xmlhelp, 103
 -p, 103
 -t, 103
 -u, 103

kadi-apy-templates-create command line option

-I, 104
 -V, 104
 --data, 104
 --exit-not-created, 104
 --identifier, 104
 --instance, 104
 --pipe, 104
 --title, 104
 --type, 104
 --verbose, 104
 --version, 104
 --xmlhelp, 104
 -d, 104
 -e, 104
 -i, 104
 -p, 104
 -t, 104
 -y, 104

kadi-apy-templates-delete command line option

-I, 105
 -T, 105
 -V, 105
 --i-am-sure, 105
 --instance, 105
 --template-id, 105
 --template-identifier, 105
 --verbose, 105
 --version, 105
 --xmlhelp, 105
 -t, 105

kadi-apy-templates-edit command line option

```

-I, 106
-T, 106
-V, 105
--description, 106
--instance, 106
--template-id, 106
--template-identifier, 106
--title, 106
--verbose, 105
--version, 105
--visibility, 106
--xmlhelp, 105
-d, 106
-i, 106
-t, 106
-v, 106
kadi-apy-templates-export command line
    option
-I, 106
-P, 107
-T, 106
-V, 106
--export_type, 107
--force, 107
--instance, 106
--name, 107
--path, 107
--pipe, 107
--template-id, 107
--template-identifier, 106
--use-folder, 107
--verbose, 106
--version, 106
--xmlhelp, 106
-e, 107
-f, 107
-n, 107
-p, 107
-t, 107
-u, 107
kadi-apy-templates-get-templates command
    line option
-I, 108
-V, 108
--instance, 108
--page, 108
--per-page, 108
--verbose, 108
--version, 108
--xmlhelp, 108
-n, 108
-p, 108
kadi-apy-templates-remove-group-role
    command line option
-I, 106
-T, 106
-V, 105
--description, 106
--instance, 106
--template-id, 106
--template-identifier, 106
--title, 106
--verbose, 105
--version, 105
--visibility, 106
--xmlhelp, 105
-d, 106
-i, 106
-t, 106
-v, 106
-G, 109
-I, 108
-T, 109
-V, 108
--group-id, 109
--group-identifier, 109
--instance, 108
--template-id, 109
--template-identifier, 109
--verbose, 108
--version, 108
--xmlhelp, 108
-g, 109
-t, 109
kadi-apy-templates-remove-user command line
    option
-D, 109
-I, 109
-T, 109
-U, 109
-V, 109
--identity-type, 109
--instance, 109
--template-id, 109
--template-identifier, 109
--user, 109
--username, 109
--verbose, 109
--version, 109
--xmlhelp, 109
-t, 109
-u, 109
kadi-apy-users command line option
--commands, 110
--version, 110
kadi-apy-users-get-users command line
    option
-I, 110
-V, 110
--filter, 110
--instance, 110
--page, 110
--per-page, 110
--verbose, 110
--version, 110
--xmlhelp, 110
-f, 110
-n, 110
-p, 110
kadi-apy-users-show-info command line
    option
-D, 111
-I, 111
-U, 111

```

- V, 111
 - identity-type, 111
 - instance, 111
 - user, 111
 - username, 111
 - verbose, 111
 - version, 111
 - xmlhelp, 111
 - u, 111
 - KadiAPYConfigurationError, 42
 - KadiAPYException, 42
 - KadiAPYInputError, 42
 - KadiAPYRequestError, 42
 - KadiManager (class in *kadi_apy.lib.core*), 12
- ## L
- link_record() (*kadi_apy.cli.lib.records.CLIRRecord* method), 119
 - link_record() (*kadi_apy.lib.resources.records.Record* method), 19
- ## M
- make_request() (*kadi_apy.cli.core.CLIKadiManager* method), 116
 - make_request() (*kadi_apy.lib.core.KadiManager* method), 12
 - meta (*kadi_apy.cli.lib.collections.CLICollection* property), 132
 - meta (*kadi_apy.cli.lib.groups.CLIGroup* property), 140
 - meta (*kadi_apy.cli.lib.records.CLIRRecord* property), 126
 - meta (*kadi_apy.cli.lib.templates.CLITemplate* property), 136
 - meta (*kadi_apy.cli.lib.users.CLIUser* property), 142
 - meta (*kadi_apy.lib.resources.collections.Collection* property), 29
 - meta (*kadi_apy.lib.resources.groups.Group* property), 36
 - meta (*kadi_apy.lib.resources.records.Record* property), 23
 - meta (*kadi_apy.lib.resources.templates.Template* property), 33
 - meta (*kadi_apy.lib.resources.users.User* property), 38
 - misc (*kadi_apy.cli.core.CLIKadiManager* property), 113
 - misc (*kadi_apy.lib.core.KadiManager* property), 12
 - Miscellaneous (class in *kadi_apy.lib.misc*), 38
 - module
 - kadi_apy.cli.decorators*, 147
 - kadi_apy.lib.exceptions*, 42
- ## P
- pat_user (*kadi_apy.cli.core.CLIKadiManager* property), 116
 - pat_user (*kadi_apy.lib.core.KadiManager* property), 12
 - PATH
 - kadi_apy.misc.import_file* command line option, 73
 - print_info() (*kadi_apy.cli.lib.collections.CLICollection* method), 129
 - print_info() (*kadi_apy.cli.lib.groups.CLIGroup* method), 140
 - print_info() (*kadi_apy.cli.lib.records.CLIRRecord* method), 121
 - print_info() (*kadi_apy.cli.lib.templates.CLITemplate* method), 137
 - print_info() (*kadi_apy.cli.lib.users.CLIUser* method), 141
 - purge() (*kadi_apy.cli.lib.misc.CLIMiscellaneous* method), 143
 - purge() (*kadi_apy.lib.misc.Miscellaneous* method), 38
- ## R
- raise_request_error() (*kadi_apy.cli.core.CLIKadiManager* method), 116
 - raise_request_error() (*kadi_apy.cli.lib.collections.CLICollection* method), 132
 - raise_request_error() (*kadi_apy.cli.lib.groups.CLIGroup* method), 140
 - raise_request_error() (*kadi_apy.cli.lib.misc.CLIMiscellaneous* method), 144
 - raise_request_error() (*kadi_apy.cli.lib.records.CLIRRecord* method), 126
 - raise_request_error() (*kadi_apy.cli.lib.templates.CLITemplate* method), 137
 - raise_request_error() (*kadi_apy.cli.lib.users.CLIUser* method), 142
 - raise_request_error() (*kadi_apy.cli.search.CLISearch* method), 146
 - Record (class in *kadi_apy.lib.resources.records*), 15
 - record() (*kadi_apy.cli.core.CLIKadiManager* method), 113
 - record() (*kadi_apy.lib.core.KadiManager* method), 13
 - remove_all_metadata() (*kadi_apy.cli.lib.records.CLIRRecord* method), 120
 - remove_all_metadata() (*kadi_apy.lib.resources.records.Record* method), 17
 - remove_collection_link() (*kadi_apy.cli.lib.collections.CLICollection* method), 128

remove_collection_link() (kadi_apy.cli.lib.records.CLIRcord method), 120
 remove_collection_link() (kadi_apy.lib.resources.collections.Collection method), 26
 remove_collection_link() (kadi_apy.lib.resources.records.Record method), 15
 remove_group_role() (kadi_apy.cli.lib.collections.CLICollection method), 132
 remove_group_role() (kadi_apy.cli.lib.records.CLIRcord method), 127
 remove_group_role() (kadi_apy.cli.lib.templates.CLITemplate method), 137
 remove_group_role() (kadi_apy.lib.resources.collections.Collection method), 29
 remove_group_role() (kadi_apy.lib.resources.records.Record method), 24
 remove_group_role() (kadi_apy.lib.resources.templates.Template method), 33
 remove_metadatum() (kadi_apy.cli.lib.records.CLIRcord method), 120
 remove_metadatum() (kadi_apy.lib.resources.records.Record method), 16
 remove_record_link() (kadi_apy.cli.lib.collections.CLICollection method), 128
 remove_record_link() (kadi_apy.lib.resources.collections.Collection method), 25
 remove_tag() (kadi_apy.cli.lib.collections.CLICollection method), 133
 remove_tag() (kadi_apy.cli.lib.records.CLIRcord method), 127
 remove_tag() (kadi_apy.lib.resources.collections.Collection method), 29
 remove_tag() (kadi_apy.lib.resources.records.Record method), 24
 remove_user() (kadi_apy.cli.lib.collections.CLICollection method), 133
 remove_user() (kadi_apy.cli.lib.groups.CLIGroup method), 141
 remove_user() (kadi_apy.cli.lib.records.CLIRcord method), 127
 remove_user() (kadi_apy.cli.lib.templates.CLITemplate method), 137
 remove_user() (kadi_apy.lib.resources.collections.Collection method), 29
 remove_user() (kadi_apy.lib.resources.groups.Group method), 35
 remove_user() (kadi_apy.lib.resources.records.Record method), 24
 remove_user() (kadi_apy.lib.resources.templates.Template method), 33
 restore() (kadi_apy.cli.lib.misc.CLIMiscellaneous method), 143
 restore() (kadi_apy.lib.misc.Miscellaneous method), 38
S
 Search (class in kadi_apy.lib.search), 40
 search (kadi_apy.cli.core.CLIKadiManager property), 113
 search (kadi_apy.lib.core.KadiManager property), 12
 search_pagination_options() (in module kadi_apy.cli.decorators), 148
 search_resource_ids() (kadi_apy.cli.search.CLISearch method), 145
 search_resources() (kadi_apy.cli.search.CLISearch method), 145
 search_resources() (kadi_apy.lib.search.Search method), 40
 search_user_resources() (kadi_apy.cli.search.CLISearch method), 146
 search_user_resources() (kadi_apy.lib.search.Search method), 40
 search_users() (kadi_apy.cli.search.CLISearch method), 146
 search_users() (kadi_apy.lib.search.Search method), 41
 set_attribute() (kadi_apy.cli.lib.collections.CLICollection method), 133
 set_attribute() (kadi_apy.cli.lib.groups.CLIGroup method), 141
 set_attribute() (kadi_apy.cli.lib.records.CLIRcord method), 127
 set_attribute() (kadi_apy.cli.lib.templates.CLITemplate method), 137
 set_attribute() (kadi_apy.lib.resources.collections.Collection method), 29
 set_attribute() (kadi_apy.lib.resources.groups.Group method), 36
 set_attribute() (kadi_apy.lib.resources.records.Record method), 24
 set_attribute() (kadi_apy.lib.resources.templates.Template method), 33
T
 Template (class in kadi_apy.lib.resources.templates), 30

template() (*kadi_apy.cli.core.CLIKadiManager method*), 114

template() (*kadi_apy.lib.core.KadiManager method*), 13

warning() (*kadi_apy.lib.resources.templates.Template method*), 33

warning() (*kadi_apy.lib.resources.users.User method*), 38

warning() (*kadi_apy.lib.search.Search method*), 41

U

update_record_link() (*kadi_apy.cli.lib.records.CLIRcord method*), 120

update_record_link() (*kadi_apy.lib.resources.records.Record method*), 20

upload_file() (*kadi_apy.cli.lib.records.CLIRcord method*), 117

upload_file() (*kadi_apy.lib.resources.records.Record method*), 17

upload_string_to_file() (*kadi_apy.cli.lib.records.CLIRcord method*), 117

upload_string_to_file() (*kadi_apy.lib.resources.records.Record method*), 17

User (*class in kadi_apy.lib.resources.users*), 37

user() (*kadi_apy.cli.core.CLIKadiManager method*), 114

user() (*kadi_apy.lib.core.KadiManager method*), 14

user_id_options() (*in module kadi_apy.cli.decorators*), 147

W

warning() (*kadi_apy.cli.core.CLIKadiManager method*), 116

warning() (*kadi_apy.cli.lib.collections.CLICollection method*), 133

warning() (*kadi_apy.cli.lib.groups.CLIGroup method*), 141

warning() (*kadi_apy.cli.lib.misc.CLIMiscellaneous method*), 145

warning() (*kadi_apy.cli.lib.records.CLIRcord method*), 127

warning() (*kadi_apy.cli.lib.templates.CLITemplate method*), 137

warning() (*kadi_apy.cli.lib.users.CLIRcord method*), 142

warning() (*kadi_apy.cli.search.CLISearch method*), 147

warning() (*kadi_apy.lib.core.KadiManager method*), 14

warning() (*kadi_apy.lib.misc.Miscellaneous method*), 40

warning() (*kadi_apy.lib.resources.collections.Collection method*), 29

warning() (*kadi_apy.lib.resources.groups.Group method*), 36

warning() (*kadi_apy.lib.resources.records.Record method*), 24