

Command specifications

ADD

Name

add - Add data set to repository

Synopsis

add [-v] <name> [<description>]

Description

Add the specified <dataset> with optional description to the repository.

Options

-v verbose progress

Parameters

<name> The name of the data set (includes path)

<description> **Optional** A description of the data set

Exit status

- 0 if OK,
- 1 if the file/folder under given <name> does not exist
- 2 if the data set could not get added into the repository
- 4 if any other error occurred

REMOVE

Name

remove - remove data set

Synopsis

remove [-v] <name>

Description

Remove the data set with given <name>

Options

-v verbose progress

Parameters

<name> The name of the data set (e.g. the name of the file/folder)

Exit status

- 0 if OK,
- 1 if the data set with specified <name> does not exist
- 2 if the data set could not get removed
- 4 if any other error occurred

COPY

Name

copy - copies the data set from the repository

Synopsis

```
copy [-v] <name> <location>
```

Description

Copies the data set specified with **<name>** to the given **<location>**. If the operation succeeded, the data set remains in the repository and the data set is accessible with the original name at the given location.

Options

-v verbose progress

Parameters

<name> The name of the data set.

<location> The path to the new location of the data set.

Exit status

- 0 if OK,
- 1 if the data set with specified **<name>** does not exist or the **<location>** parameter is invalid
- 2 if the data set could not get copied (e.g. if at the specified location already a file / folder with given name exists)
- 4 if any other error occurred

REPLACE

Name

replace - replaces the data set with another one

Synopsis

```
replace [-v] <name> <path>
```

Description

Replaces the data set with specified **name** with the data set located at **<path>**

Options

-v verbose progress

Parameters

<name> The name of the data set to replace

<path> The path to the new data set

Exit status

- 0 if OK,
- 1 if command-parameter specific error occurred
- 2 if the data set with specified **<name>** does not exist or the **<path>** parameter is invalid
- 4 if any other error occurred

LIST

Name

`list` - lists all data set and its meta data

Synopsis

`list [-v]`

Description

Lists all data set and its meta data of the repository.

On success, a list of all data sets gets printed. Additionally to the name of the data set its description (if one exists), its size and the number of files it contains get printed.

Options

`-v` verbose progress

Exit status

- 0 if OK,
- 4 if any other error occurred

INIT

Name

`init` - initialises the repository in the current working directory

Synopsis

`init [-v]`

Description

Initialises the repository in the current working directory. During the initialisation files for storing meta data are generated.

On success, a message gets printed.

Options

`-v` verbose progress

Exit status

- 0 if OK,
- 4 if any other error occurred

SEARCH

Name

search - searches for one or more data set

Synopsis

```
search [-v][-a][-o] [-name=<pattern>] [-description=<pattern>] [-id=<id>] [-timestamp=<time>]  
[-size=<size>] [-files=<amount>]
```

Description

Searches for data sets based on its meta data. Based on the parameter different meta data is considered to look for.

Options

- v verbose progress
- a match all given search parameters
- o match one of the given search parameters

Parameters

- name=<pattern> The pattern the name should match
- description=<pattern> The pattern the description should match
- id=<id> An ID of a data set
- timestamp=<time> The time of the data set to be added
- size=<size> The size in Bytes of the data set
- files=<amount> The amount of files the data set contains

Exit status

- 0 if OK,
- 1 if command-parameter specific error occurred
- 2 if the command could not be executed
- 4 if any other error occurred