
SKA Science Data Challenge 2 Scoring Service Utilities

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This package contains two simple command line interface (CLI) applications for interaction with the SDC2 online scoring service:

- `sdc2-score` : A tool for upload and check the status of submissions.
- `sdc2-score-admin`: A tool managing SDC2 users and groups.

INSTALLATION

This package can be installed with:

```
pip install ska-sdc2-scoring-utils
```


USING THE SDC2-Score COMMAND

Create a submission and generate its SUBMISSION_ID using

```
sdc2-score create CATALOGUE_FILE
```

Retrieve information about the submission using

```
sdc2-score info SUBMISSION_ID
```

All submissions belonging to a team can be printed using

```
sdc2-score ls
```

By default, all commands are run against the ‘full’ dataset. The -c flag can be used to run commands against the ‘dev’ dataset.

2.1 Credentials:

Credentials can either be specified using the command line options as follows:

```
sdc2-score create -u USER -p PASSWORD CATALOGUE_FILE
```

or are loaded from the following environment variables:

- SDC2_SCORER_USER
- SDC2_SCORER_PASSWORD

If both are supplied, the command line option flags are used.

Summary usage:

```
Usage:
  sdc2-score leaderboard [--sub-info] [--score-info] [--raw] [-c VERSION]
  sdc2-score create CATALOGUE_FILE [-u USERNAME] [-p PASSWORD] [-c VERSION] [--
↪hidden]
  sdc2-score info SUBMISSION_ID [-c VERSION] [--raw]
  sdc2-score ls [-u USERNAME] [-p PASSWORD] [-n LIMIT] [--score-info] [--raw] [-c,
↪VERSION]
  sdc2-score -h | --help | --version

Options:
  --sub-info          Display additional submission information.
  --score-info        Display additional score information.
```

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```
--raw          Display the raw response from the SDC scoring service.
--hidden       If passed, submission will be hidden from leaderboards
-c VERSION     Set the catalogue version (1.dev, 1.ldev, 1.full) [default: ↵
↵1.full].
-n LIMIT       Maximum number of submissions to list [default: 20].
-u USER       Scoring service username.
-p PASSWORD    Scoring service user password.
-h, --help     Show this screen.
--version      Show the version.
```

Arguments

```
CATALOGUE_FILE  Path to catalogue file to submit.
SUBMISSION_ID   Submission ID, minimally matched.
```

USING THE SDC2-Score-Admin Command

The admin client is intended for SDC2 challenge administrators and requires that the following environment variables are set:

- SDC2_SCORER_ADMIN_USER
- SDC2_SCORER_ADMIN_PASSWORD

Once these are set, the basic usage settings are as follows:

```
Usage:
  sdc2-score-admin group ls [-u] [--raw]
  sdc2-score-admin group add GROUP_NAME...
  sdc2-score-admin group rm GROUP_ID...
  sdc2-score-admin user ls [--raw]
  sdc2-score-admin user add FIRST_NAME LAST_NAME USERNAME EMAIL GROUP [PASSWORD]
  sdc2-score-admin user rm USER_ID...
  sdc2-score-admin submission ls [-n LIMIT] [-c VERSION] [--raw]
  sdc2-score-admin submission rm SUBMISSION_ID [-c VERSION]
  sdc2-score-admin (-h | --help | --version)

Options:
  -u                Show users in the group.
  --raw            Display unformatted API response JSON object.
  -n LIMIT         Maximum number of submissions to show [default: 20].
  -c VERSION       Catalogue version (1.full, 1.dev) [default: 1.full].
  -h, --help       Show this screen.
  --version        Show the version.

Arguments:
  EMAIL            Email address of the user.
  FIRST_NAME       User's first name.
  GROUP_ID         Group name or ID, minimally matched.
  GROUP_NAME       Name of the group.
  LAST_NAME        User's last name.
  PASSWORD         Password for the user. Optional, autogenerated if not set.
  SUBMISSION_ID    UUID for a submission, minimally matched
  USER_ID         User name or ID, minimally matched.
  USERNAME         User's user name
```


DEVELOPER NOTES

For local development, commands can also be run and tested using:

```
python -m ska_sdc2_scoring_utils.sdc2_score  
python -m ska_sdc2_scoring_utils.sdc2_score_admin
```