Yamcs Command-Line Interface

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Yamcs
MISSION CONTROL

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About Yamcs Command-Line Interface

The Yamcs Command-Line Interface is written in Python and distributed separately from Yamcs Server.

Install with pip:

```
pip install --upgrade yamcs-cli
```

Run *yamcs login* (page 12) to initialize your environment:

```
yamcs login
```

1. yamcs algorithms

NAME

yamcs algorithms - Read algorithms

SYNOPSIS

```
yamcs algorithms COMMAND
```

COMMANDS

list **(page 2)**
List algorithms

describe **(page 2)**
Describe an algorithm

1.1 yamcs algorithms list

NAME

yamcs algorithms list - List algorithms

SYNOPSIS

```
yamcs algorithms list
```

1.2 yamcs algorithms describe

NAME

yamcs algorithms describe - Describe an algorithm

SYNOPSIS

```
yamcs algorithms describe ALGORITHM
```

POSITIONAL ARGUMENTS

`ALGORITHM`
The algorithm to describe.

2. yamcs commands

NAME

yamcs commands - Read commands

SYNOPSIS

`yamcs commands COMMAND`

COMMANDS

list **(page 3)**
List commands

describe **(page 3)**
Describe a command

2.1 yamcs commands list

NAME

yamcs commands list - List commands

SYNOPSIS

`yamcs commands list`

2.2 yamcs commands describe

NAME

yamcs commands describe - Describe a command

SYNOPSIS

`yamcs commands describe COMMAND`

POSITIONAL ARGUMENTS

`COMMAND`
The command to describe.

3. yamcs config

NAME

yamcs config - Manage Yamcs client properties

SYNOPSIS

```
yamcs config COMMAND
```

COMMANDS

get **(page 4)**
Get value of client property

list **(page 4)**
List client properties

set **(page 5)**
Set client property

unset **(page 5)**
Unset client property

3.1 yamcs config get

NAME

yamcs config get - Get value of client property

SYNOPSIS

```
yamcs config get PROPERTY
```

POSITIONAL ARGUMENTS

`PROPERTY`
The property to retrieve.

3.2 yamcs config list

NAME

yamcs config list - List client properties

SYNOPSIS

```
yamcs config list
```

3.3 yamcs config set

NAME

yamcs config set - Set client property

SYNOPSIS

```
yamcs config set PROPERTY VALUE
```

POSITIONAL ARGUMENTS

`PROPERTY`
: The property to set.

`VALUE`
: The new value of the property.

3.4 yamcs config unset

NAME

yamcs config unset - Unset client property

SYNOPSIS

```
yamcs config unset PROPERTY
```

POSITIONAL ARGUMENTS

`PROPERTY`
: The property to unset.

4. yamcs containers

NAME

yamcs containers - Read containers

SYNOPSIS

`yamcs containers COMMAND`

COMMANDS

list **(page 6)**
List containers

describe **(page 6)**
Describe a container

4.1 yamcs containers list

NAME

yamcs containers list - List containers

SYNOPSIS

`yamcs containers list`

4.2 yamcs containers describe

NAME

yamcs containers describe - Describe a container

SYNOPSIS

`yamcs containers describe CONTAINER`

POSITIONAL ARGUMENTS

`CONTAINER`
The container to describe.

5. yamcs dbshell

NAME

yamcs dbshell - Launch Yamcs DB Shell

SYNOPSIS

```
yamcs dbshell [-c COMMAND, --command COMMAND]
```

OPTIONS

`-c COMMAND, --command COMMAND`
: Run a single SQL command string.

6. yamcs instances

NAME

yamcs instances - Read Yamcs instances

SYNOPSIS

`yamcs instances COMMAND`

COMMANDS

list **(page 8)**
List instances

start **(page 8)**
Start an instance

stop **(page 8)**
Stop an instance

6.1 yamcs instances list

NAME

yamcs instances list - List instances

SYNOPSIS

`yamcs instances list`

6.2 yamcs instances start

NAME

yamcs instances start - Start an instance

SYNOPSIS

`yamcs instances start INSTANCE ...`

POSITIONAL ARGUMENTS

`INSTANCE ...`
The instances to start.

6.3 yamcs instances stop

NAME

yamcs instances stop - Stop an instance

SYNOPSIS

```
yamcs instances stop INSTANCE ...
```

POSITIONAL ARGUMENTS

INSTANCE ...
The instances to stop.

7. yamcs links

NAME

yamcs links - Read and manipulate data links

SYNOPSIS

```
yamcs links COMMAND
```

COMMANDS

list **(page 10)**
List links

enable **(page 10)**
Enable a link

disable **(page 11)**
Disable a link

describe **(page 11)**
Describe a link

7.1 yamcs links list

NAME

yamcs links list - List links

SYNOPSIS

```
yamcs links list
```

7.2 yamcs links enable

NAME

yamcs links enable - Enable a data link

SYNOPSIS

```
yamcs links enable LINK ...
```

POSITIONAL ARGUMENTS

`LINK ...`
The links to enable.

7.3 yamcs links disable

NAME

yamcs links disable - Disable a data link

SYNOPSIS

```
yamcs links disable LINK ...
```

POSITIONAL ARGUMENTS

`LINK ...`
: The links to disable.

7.4 yamcs links describe

NAME

yamcs links describe - Describe a data link

SYNOPSIS

```
yamcs links describe LINK
```

POSITIONAL ARGUMENTS

`LINK`
: The link to describe.

8. yamcs login

NAME

yamcs login - Login to a Yamcs server

SYNOPSIS

```
yamcs login [URL]
```

POSITIONAL ARGUMENTS

`[URL]`
: The server URL. Example: `http://localhost:8090`

9. yamcs logout

NAME

yamcs logout - Logout of a Yamcs server

SYNOPSIS

```
yamcs logout
```

10. yamcs parameters

NAME

yamcs parameters - Read parameters

SYNOPSIS

`yamcs parameters COMMAND`

COMMANDS

list **(page 14)**
List parameters

describe **(page 14)**
Describe a parameter

10.1 yamcs parameters list

NAME

yamcs parameters list - List parameters

SYNOPSIS

`yamcs parameters list`

10.2 yamcs parameters describe

NAME

yamcs parameters describe - Describe a parameter

SYNOPSIS

`yamcs parameters describe PARAMETER`

POSITIONAL ARGUMENTS

`PARAMETER`
The parameter to describe.

11. yamcs processors

NAME

yamcs processors - Read processors

SYNOPSIS

```
yamcs processors COMMAND
```

COMMANDS

list **(page 15)**
List processors

11.1 yamcs processors list

NAME

yamcs processors list - List processors

SYNOPSIS

```
yamcs processors list
```

12. yamcs services

NAME

yamcs services - Read and manipulate services

SYNOPSIS

```
yamcs services COMMAND
```

COMMANDS

list **(page 16)**
List services

start **(page 16)**
Start a service

stop **(page 16)**
Stop a service

12.1 yamcs services list

NAME

yamcs services list - List services

SYNOPSIS

```
yamcs services list
```

12.2 yamcs services start

NAME

yamcs services start - Start a service

SYNOPSIS

```
yamcs services start SERVICE ...
```

POSITIONAL ARGUMENTS

`SERVICE ...`
Services to start.

12.3 yamcs services stop

NAME

yamcs services stop - Stop a service

SYNOPSIS

```
yamcs services stop SERVICE ...
```

POSITIONAL ARGUMENTS

`SERVICE ...`
: Services to stop.

13. yamcs space-systems

NAME

yamcs space-systems - Read space systems

SYNOPSIS

```
yamcs space-systems COMMAND
```

COMMANDS

list **(page 18)**
List space systems

describe **(page 18)**
Describe a space system

13.1 yamcs space-systems list

NAME

yamcs space-systems list - List space systems

SYNOPSIS

```
yamcs space-systems list
```

13.2 yamcs space-systems describe

NAME

yamcs space-systems describe - Describe a space system

SYNOPSIS

```
yamcs space-systems describe SPACESYSTEM
```

POSITIONAL ARGUMENTS

`SPACESYSTEM`
The space system to describe.

14. yamcs storage

NAME

yamcs storage - Manage object storage

SYNOPSIS

`yamcs storage COMMAND`

COMMANDS

ls **(page 19)**

List buckets or objects
Synonym: `list`

mb **(page 20)**
Make buckets

rb **(page 20)**
Remove buckets

cat **(page 20)**
Concatenate object content to stdout

cp **(page 20)**
Copy a file or object

mv **(page 21)**
Move a file or object

rm **(page 21)**
Remove objects

14.1 yamcs storage ls

NAME

yamcs storage ls - List buckets or objects

SYNOPSIS

`yamcs storage ls [-l] [-r, -R] [BUCKET]`

POSITIONAL ARGUMENTS

`[BUCKET]`
Bucket or object.

OPTIONS

`-l`
List in long format.

`-r, -R`
: List recursively.

14.2 yamcs storage mb

NAME

yamcs storage mb - Make buckets

SYNOPSIS

```
yamcs storage mb BUCKET ...
```

POSITIONAL ARGUMENTS

`BUCKET ...`
: A bucket to create.

14.3 yamcs storage rb

NAME

yamcs storage rb - Remove buckets

SYNOPSIS

```
yamcs storage rb BUCKET ...
```

POSITIONAL ARGUMENTS

`BUCKET ...`
: A bucket to remove.

14.4 yamcs storage cat

NAME

yamcs storage cat - Concatenate object content to stdout

SYNOPSIS

```
yamcs storage cat OBJECT ...
```

POSITIONAL ARGUMENTS

`OBJECT ...`
: The objects to fetch.

14.5 yamcs storage cp

NAME

yamcs storage cp - Copy a file or object

SYNOPSIS

```
yamcs storage cp SRC DST
```

POSITIONAL ARGUMENTS

`SRC`
: local file or an object in the format ys://BUCKET/OBJECT.

`DST`
: local file or an object in the format ys://BUCKET/OBJECT.

14.6 yamcs storage mv

NAME

yamcs storage mv - Move a file or object

SYNOPSIS

```
yamcs storage mv SRC DST
```

POSITIONAL ARGUMENTS

`SRC`
: local file or an object in the format ys://BUCKET/OBJECT.

`DST`
: local file, local directory or an object in the format ys://BUCKET/OBJECT.

14.7 yamcs storage rm

NAME

yamcs storage rm - Remove objects

SYNOPSIS

```
yamcs storage rm OBJECT ...
```

POSITIONAL ARGUMENTS

`OBJECT ...`
: An object to remove.

15. yamcs streams

NAME

yamcs streams - Read and manipulate streams

SYNOPSIS

`yamcs streams COMMAND`

COMMANDS

list **(page 22)**
List streams

describe **(page 22)**
Describe a stream

subscribe **(page 22)**
Subscribe to a stream

15.1 yamcs streams list

NAME

yamcs streams list - List streams

SYNOPSIS

`yamcs streams list`

15.2 yamcs streams describe

NAME

yamcs streams describe - Describe a stream

SYNOPSIS

`yamcs streams describe STREAM`

POSITIONAL ARGUMENTS

`STREAM`
The stream to describe.

15.3 yamcs streams subscribe

NAME

yamcs streams subscribe - Subscribe to a stream

SYNOPSIS

```
yamcs streams subscribe STREAM
```

POSITIONAL ARGUMENTS

STREAM
: The stream to describe.

16. yamcs tables

NAME

yamcs tables - Read and manipulate tables

SYNOPSIS

```
yamcs tables COMMAND
```

COMMANDS

list **(page 24)**
List tables

describe **(page 24)**
Describe a table

dump **(page 25)**
Dump table data

load **(page 25)**
Load data into a table

16.1 yamcs tables list

NAME

yamcs tables list - List tables

SYNOPSIS

```
yamcs tables list
```

16.2 yamcs tables describe

NAME

yamcs tables describe - Describe a table

SYNOPSIS

```
yamcs tables describe TABLE
```

POSITIONAL ARGUMENTS

TABLE
The table to describe.

16.3 yamcs tables dump

NAME

yamcs tables dump - Dump table data

SYNOPSIS

```
yamcs tables dump [-d DIR, --dir DIR] TABLE ...
```

OPTIONS

-d DIR, **--dir** DIR
: Specifies the directory where to output dump files. Defaults to current directory.

--gzip
: Compress the output.

POSITIONAL ARGUMENTS

TABLE ...
: The tables to dump.

16.4 yamcs tables load

NAME

yamcs tables load - Load data into a table.

SYNOPSIS

```
yamcs tables load [-d DIR, --dir DIR] TABLE ...
```

OPTIONS

-d DIR, **--dir** DIR
: Specifies the directory where to locate dump files. Defaults to current directory.

--gzip
: Decompress the input.

POSITIONAL ARGUMENTS

TABLE ...
: The tables to load.

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