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# **Yamcs Command-Line Interface**

*Release 1.2.2*

**Space Applications Services**

**Jul 03, 2020**



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## GETTING STARTED

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* to initialize your environment:

```
yamcs login
```

### 1.1 yamcs algorithms

#### NAME

yamcs algorithms - Read algorithms

#### SYNOPSIS

```
yamcs algorithms COMMAND
```

#### COMMANDS

*list* List algorithms

*describe* Describe an algorithm

#### 1.1.1 yamcs algorithms list

##### NAME

yamcs algorithms list - List algorithms

##### SYNOPSIS

```
yamcs algorithms list
```

#### 1.1.2 yamcs algorithms describe

##### NAME

yamcs algorithms describe - Describe an algorithm

##### SYNOPSIS

```
yamcs algorithms describe ALGORITHM
```

##### POSITIONAL ARGUMENTS

**ALGORITHM**

The algorithm to describe.

## 1.2 yamcs commands

**NAME**

yamcs commands - Read commands

**SYNOPSIS**

yamcs commands COMMAND

**COMMANDS**

*list* List commands

*describe* Describe a command

### 1.2.1 yamcs commands list

**NAME**

yamcs commands list - List commands

**SYNOPSIS**

yamcs commands list

### 1.2.2 yamcs commands describe

**NAME**

yamcs commands describe - Describe a command

**SYNOPSIS**

yamcs commands describe COMMAND

**POSITIONAL ARGUMENTS**

**COMMAND**

The command to describe.

## 1.3 yamcs config

**NAME**

yamcs config - Manage Yamcs client properties

**SYNOPSIS**

yamcs config COMMAND

**COMMANDS**

*get* Get value of client property

*list* List client properties

*set* Set client property

*unset* Unset client property

### 1.3.1 yamcs config get

**NAME**

yamcs config get - Get value of client property

**SYNOPSIS**

```
yamcs config get PROPERTY
```

**POSITIONAL ARGUMENTS**

**PROPERTY**

The property to retrieve.

### 1.3.2 yamcs config list

**NAME**

yamcs config list - List client properties

**SYNOPSIS**

```
yamcs config list
```

### 1.3.3 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.

### 1.3.4 yamcs config unset

**NAME**

yamcs config unset - Unset client property

**SYNOPSIS**

```
yamcs config unset PROPERTY
```

**POSITIONAL ARGUMENTS**

**PROPERTY**

The property to unset.

## 1.4 yamcs containers

### NAME

yamcs containers - Read containers

### SYNOPSIS

yamcs containers COMMAND

### COMMANDS

*list* List containers

*describe* Describe a container

### 1.4.1 yamcs containers list

#### NAME

yamcs containers list - List containers

#### SYNOPSIS

yamcs containers list

### 1.4.2 yamcs containers describe

#### NAME

yamcs containers describe - Describe a container

#### SYNOPSIS

yamcs containers describe CONTAINER

#### POSITIONAL ARGUMENTS

##### CONTAINER

The container to describe.

## 1.5 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.



## 1.6 yamcs instances

### NAME

yamcs instances - Read Yamcs instances

### SYNOPSIS

```
yamcs instances COMMAND
```

### COMMANDS

*list* List instances

*start* Start an instance

*stop* Stop an instance

### 1.6.1 yamcs instances list

#### NAME

yamcs instances list - List instances

#### SYNOPSIS

```
yamcs instances list
```

### 1.6.2 yamcs instances start

#### NAME

yamcs instances start - Start an instance

#### SYNOPSIS

```
yamcs instances start INSTANCE ...
```

#### POSITIONAL ARGUMENTS

**INSTANCE ...**

The instances to start.

### 1.6.3 yamcs instances stop

#### NAME

yamcs instances stop - Stop an instance

#### SYNOPSIS

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

#### POSITIONAL ARGUMENTS

**INSTANCE ...**

The instances to stop.

## 1.7 yamcs links

### NAME

yamcs links - Read and manipulate data links

### SYNOPSIS

```
yamcs links COMMAND
```

### COMMANDS

*list* List links

*enable* Enable a link

*disable* Disable a link

*describe* Describe a link

### 1.7.1 yamcs links list

#### NAME

yamcs links list - List links

#### SYNOPSIS

```
yamcs links list
```

### 1.7.2 yamcs links enable

#### NAME

yamcs links enable - Enable a data link

#### SYNOPSIS

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

#### POSITIONAL ARGUMENTS

**LINK** ...

The links to enable.

### 1.7.3 yamcs links disable

#### NAME

yamcs links disable - Disable a data link

#### SYNOPSIS

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

#### POSITIONAL ARGUMENTS

**LINK** ...

The links to disable.

## 1.7.4 yamcs links describe

### NAME

yamcs links describe - Describe a data link

### SYNOPSIS

```
yamcs links describe LINK
```

### POSITIONAL ARGUMENTS

#### **LINK**

The link to describe.

## 1.8 yamcs login

### NAME

yamcs login - Login to a Yamcs server

### SYNOPSIS

```
yamcs login [HOST[:PORT]]
```

### POSITIONAL ARGUMENTS

#### **[HOST[:PORT]]**

The server address. Example: localhost:8090

## 1.9 yamcs logout

### NAME

yamcs logout - Logout of a Yamcs server

### SYNOPSIS

```
yamcs logout
```

## 1.10 yamcs parameters

### NAME

yamcs parameters - Read parameters

### SYNOPSIS

```
yamcs parameters COMMAND
```

### COMMANDS

*list* List parameters

*describe* Describe a parameter

### 1.10.1 yamcs parameters list

**NAME**

yamcs parameters list - List parameters

**SYNOPSIS**

```
yamcs parameters list
```

### 1.10.2 yamcs parameters describe

**NAME**

yamcs parameters describe - Describe a parameter

**SYNOPSIS**

```
yamcs parameters describe PARAMETER
```

**POSITIONAL ARGUMENTS**

**PARAMETER**

The parameter to describe.

## 1.11 yamcs processors

**NAME**

yamcs processors - Read processors

**SYNOPSIS**

```
yamcs processors COMMAND
```

**COMMANDS**

*list* List processors

### 1.11.1 yamcs processors list

**NAME**

yamcs processors list - List processors

**SYNOPSIS**

```
yamcs processors list
```

## 1.12 yamcs services

**NAME**

yamcs services - Read and manipulate services

**SYNOPSIS**

```
yamcs services COMMAND
```

**COMMANDS**

*list* List services

*start* Start a service

*stop* Stop a service

### 1.12.1 yamcs services list

#### NAME

yamcs services list - List services

#### SYNOPSIS

```
yamcs services list
```

### 1.12.2 yamcs services start

#### NAME

yamcs services start - Start a service

#### SYNOPSIS

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

#### POSITIONAL ARGUMENTS

**SERVICE** ...  
Services to start.

### 1.12.3 yamcs services stop

#### NAME

yamcs services stop - Stop a service

#### SYNOPSIS

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

#### POSITIONAL ARGUMENTS

**SERVICE** ...  
Services to stop.

## 1.13 yamcs space-systems

#### NAME

yamcs space-systems - Read space systems

#### SYNOPSIS

```
yamcs space-systems COMMAND
```

#### COMMANDS

*list* List space systems

*describe* Describe a space system

### 1.13.1 **yamcs space-systems list**

**NAME**

yamcs space-systems list - List space systems

**SYNOPSIS**

```
yamcs space-systems list
```

### 1.13.2 **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.

## 1.14 **yamcs storage**

**NAME**

yamcs storage - Manage object storage

**SYNOPSIS**

```
yamcs storage COMMAND
```

**COMMANDS**

*ls*

List buckets or objects

Synonym: *list*

*mb* Make buckets

*rb* Remove buckets

*cat* Concatenate object content to stdout

*cp* Copy a file or object

*mv* Move a file or object

*rm* Remove objects

### 1.14.1 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.

### 1.14.2 yamcs storage mb

#### NAME

yamcs storage mb - Make buckets

#### SYNOPSIS

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

#### POSITIONAL ARGUMENTS

**BUCKET ...**

A bucket to create.

### 1.14.3 yamcs storage rb

#### NAME

yamcs storage rb - Remove buckets

#### SYNOPSIS

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

#### POSITIONAL ARGUMENTS

**BUCKET ...**

A bucket to remove.

### 1.14.4 yamcs storage cat

#### NAME

yamcs storage cat - Concatenate object content to stdout

#### SYNOPSIS

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

#### POSITIONAL ARGUMENTS

**OBJECT ...**

The objects to fetch.

### 1.14.5 **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 BUCKET://OBJECT.

**DST**

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

### 1.14.6 **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 BUCKET://OBJECT.

**DST**

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

### 1.14.7 **yamcs storage rm**

**NAME**

yamcs storage rm - Remove objects

**SYNOPSIS**

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

**POSITIONAL ARGUMENTS**

**OBJECT ...**

An object to remove.

## 1.15 **yamcs streams**

**NAME**

yamcs streams - Read and manipulate streams

**SYNOPSIS**

```
yamcs streams COMMAND
```

**COMMANDS**

*list* List streams

*describe* Describe a stream



*subscribe* Subscribe to a stream

### 1.15.1 yamcs streams list

#### NAME

yamcs streams list - List streams

#### SYNOPSIS

```
yamcs streams list
```

### 1.15.2 yamcs streams describe

#### NAME

yamcs streams describe - Describe a stream

#### SYNOPSIS

```
yamcs streams describe STREAM
```

#### POSITIONAL ARGUMENTS

##### **STREAM**

The stream to describe.

### 1.15.3 yamcs streams subscribe

#### NAME

yamcs streams subscribe - Subscribe to a stream

#### SYNOPSIS

```
yamcs streams subscribe STREAM
```

#### POSITIONAL ARGUMENTS

##### **STREAM**

The stream to describe.

## 1.16 yamcs tables

#### NAME

yamcs tables - Read and manipulate tables

#### SYNOPSIS

```
yamcs tables COMMAND
```

#### COMMANDS

*list* List tables

*describe* Describe a table

*dump* Dump table data

*load* Load data into a table

### 1.16.1 yamcs tables list

#### NAME

yamcs tables list - List tables

#### SYNOPSIS

```
yamcs tables list
```

### 1.16.2 yamcs tables describe

#### NAME

yamcs tables describe - Describe a table

#### SYNOPSIS

```
yamcs tables describe TABLE
```

#### POSITIONAL ARGUMENTS

##### **TABLE**

The table to describe.

### 1.16.3 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.

### 1.16.4 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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 4

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