



1. ORG ROLES

VIEW ORGANIZATION \$cf orgs

VIEW ALL USERS IN ORGNAZINATION

```
$cf org-users [ORG_NAME]
```

ASSIGN AN ORG ROLE

```
$cf set-org-role  
[USERNAME] [ORG_ROLE]
```

REMOVE AN ORG ROLE

```
$cf unset-org-role  
[USERNAME] [ORG_ROLE]
```

2. APP SPACE ROLES

VIEW SPACES IN AN ORG \$cf spaces

VIEW ALL USERS IN A SPACE

```
$cf space-users  
[ORG_NAME] [SPACE_NAME]
```

ASSIGN A SPACE ROLE

```
$cf set-space-role  
[USERNAME] [ORG_NAME]  
[SPACE_NAME] [ROLE]
```

REMOVE SPACE ROLE

```
$cf unset-space-role  
[USERNAME] [ORG_NAME]  
[SPACE_NAME] [ROLE]
```

3. GET DETAILED INFORMATION

GET HEALTH STATUS OF AN APPLICATION

This displays health metrics like cpu usage, memory...

```
cf app [APP_Name]
```

GET DETAILED INFORMATION OF A SPACE

```
Cf space [SPACE_NAME]
```

GET DETAILED INFORMATION OF AN ORGNAZITION

```
cf org [ORG-NAME]
```

4. USE CLOUD FOUNDRY REST API

FIND ORGANIZATION GUID

```
$cf curl  
/v2/organizations?q=name:[ORG_NAME]
```

FIND SPACE GUID

```
$cf curl /v2/spaces?q=name:[SPACE_NAME]
```

FIND APP GUID

```
$cf curl /v2/apps?q=name:[APP_NAME]
```

*<This lists all the applications which have the given name.
The app names are only identical in one space. >*

```
$cf curl  
/v2/spaces/[SPACE_GUID]/apps?q=name:[APP_  
NAME]
```

*<This lists the application with the given name in the given
space.>*

GET USED QUOTA OF ALL SPACES IN AN ORG

```
$cf curl  
/v2/organizations/[ORG_GUID]/summary
```

1. THE BASICS

API SELECTION cf api
e.g.: cf api https://api.de.a9s.eu
\$ cf api [URL]

LOGIN cf login
Prompts for username & password
Shortcut: \$ cf l

LOGOUT cf logout

SELECT TARGET cf target
Target a given space in a given organization, e.g.
\$ cf target -o [ORG] -s [SPACE]

2. APPLICATION MANAGEMENT

LIST APPLICATIONS cf apps
Lists all applications in the current space

DISPLAY APP INFORMATION cf app
Displays health status of the application instances
\$ cf app [APP]

DEPLOY AN APPLICATION cf push
Please refer to cf push --help for the list of available options, e.g.
\$ cf push [APP] -c 'bundle exec ruby my_app.rb' -d example.com -i 3 -n subdomain

SCALE APPLICATION cf scale
\$ cf scale [APP] [-i INSTANCES] [-k DISK] [-m MEMORY] [-f]

DELETE AN APPLICATION cf delete
Deletes application. [-r] also deletes the mapped routes, [-f] forces deletion without confirmation
\$ cf delete [APP] [-f] [-r]

START/STOP/RESTART cf start/stop/restart
\$ cf start [APP] **Shortcut:** \$ cf st
\$ cf stop [APP] **Shortcut:** \$ cf sp
\$ cf restart [APP] **Shortcut:** \$ cf rs

3. LOG/ENVIRONMENT MANAGEMENT

LIST ENVIRONMENT VARS cf env
\$ cf env [APP]

SET ENVIRONMENT VARS cf set-env
\$ cf set-env [APP] [VARIABLE_NAME] [VALUE]

UNSET ENVIRONMENT VARS cf unset-env
\$ cf unset-env [APP] [VARIABLE_NAME]

DISPLAY LOG INFORMATION cf logs
Tails the log files for given application
\$ cf logs [APP]

DISPLAY APPLICATION EVENTS cf events
\$ cf events [APP]

DISPLAY APPLICATION FILES cf files
\$ cf files [APP]

4. SERVICE MANAGEMENT

LIST SERVICES & PLANS cf marketplace
\$ cf marketplace
Shortcut: \$ cf m

LIST SERVICES IN CURRENT SPACE cf services
Lists service instances in the current space.
Shortcut: \$ cf s

SHOW SERVICE INFORMATION cf service
\$ cf service [SERVICE_INSTANCE_NAME]

NEW SERVICE INSTANCE cf create-service
\$ cf create-service [NAME] [PLAN] [INSTANCE]
Example:
\$ cf create-service mongodb Pluto-free my_service

DELETE SERVICE INSTANCE cf delete-service
\$ cf delete-service [INSTANCE_NAME]

BIND SERVICE TO APP cf bind-service
\$ cf bind-service [APP] [INSTANCE]

UNBIND SERVICE cf unbind-service
\$ cf unbind-service [APP] [INSTANCE]

5. SPACE MANAGEMENT

LIST SPACES cf spaces

SHOW SPACE INFORMATION cf space
Available information: organization, apps, domains and services
\$ cf space [SPACE_NAME]

SWITCH SPACE cf target
\$ cf target -s [SPACE]
Shortcut: \$ cf t -s [SPACE]

NEW SPACE cf create-space
\$ cf create-space [SPACE] -o [ORG]

RENAME SPACE cf rename-space
\$ cf rename-space [SPACE] [NEW_SPACE]

DELETE SPACE cf delete-space
\$ cf delete-space [SPACE]

6. DOMAIN MANAGEMENT

LIST DOMAINS cf domains
Lists all domains for the current organization

ATTACH A DOMAIN cf create-domain
\$ cf create-domain [ORG] [DOMAIN]

DETACH A DOMAIN cf delete-domain
\$ cf delete-domain [DOMAIN]

7. ROUTE MANAGEMENT

LIST ROUTES cf routes
Lists all routes in the current space

CREATE A ROUTE cf create-route
\$ cf create-route [SPACE] [DOMAIN] [-n HOSTNAME]

MAP ROUTE TO APPLICATION cf map-route
\$ cf map-route [APP] [DOMAIN] [-n HOSTNAME]

UNMAP ROUTE cf unmap-route
\$ cf unmap-route [APP] [DOMAIN] [-n HOSTNAME]

DELETE ROUTE cf delete-route
\$ cf delete-route [DOMAIN] [-n HOSTNAME] [-f]

8. HELP USAGE

DISPLAY GENERAL HELP cf --help

DISPLAY COMMAND HELP cf [CMD] --help