

1. THE BASICS

API SELECTION cf api

Use the given URL as Cloud Foundry API endpoint
`$ cf api https://api.de.a9s.eu`

LOGIN cf login

Authenticate the user

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]`

3. LOG / ENVIRONMENT MANAGEMENT

LIST ENVIRONMENT VARS cf env

`$ cf env APP`

SET ENVIRONMENT VARS cf set-env

`$ cf set-env APP VARIABLE_NAME VARIABLE_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`

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 help push` for the list of available options, e.g.

`$ cf push my_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]`

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`

DELETE APPLICATION cf delete

Deletes the application. `[-f]` forces deletion without confirmation, `[-r]` also deletes all mapped routes.

`$ cf delete APP [-f] [-r]`

5. ROUTE MANAGEMENT

LIST ROUTES cf routes

Lists all routes in the current space

CREATE A ROUTE cf create-route

`$ cf create-route SPACE_NAME DOMAIN [-n APP]`

Example:

`$ cf create-route development de.a9sapp.eu -n my-app`

MAP ROUTE TO APPLICATION cf map-route

`$ cf map-route APP DOMAIN [-n HOSTNAME]`

Example:

`$ cf map-route my-app de.a9sapp.eu -n my-app`

UNMAP ROUTE cf unmap-route

`$ cf unmap-route APP DOMAIN [-n HOSTNAME]`

Example:

`$ cf unmap-route my-app de.a9sapp.eu -n my-app`

DELETE ROUTE cf delete-route

`$ cf delete-route DOMAIN [-n HOSTNAME]`

Example:

`$ cf delete-route de.a9sapp.eu -n my-app`

4. SERVICE MANAGEMENT

LIST SERVICES & PLANS cf marketplace

Shortcut: `$ cf m`

LIST SERVICES IN CURRENT SPACE cf services

Lists service instances in the current space.

Shortcut: `$ cf s`

NEW SERVICE INSTANCE cf create-service

`$ cf create-service SERVICE_NAME PLAN SERVICE_INSTANCE [-c PARAMETERS_AS_JSON]`

Example:

`$ cf create-service mongodb Pluto-free my_service`

SHOW SERVICE INFORMATION cf service

`$ cf service SERVICE_INSTANCE`

BIND SERVICE TO APP cf bind-service

`$ cf bind-service APP SERVICE_INSTANCE`

Shortcut: `$ cf bs`

UNBIND SERVICE cf unbind-service

`$ cf unbind-service APP SERVICE_INSTANCE`

Shortcut: `$ cf us`

UPDATE SERVICE cf update-service

`$ cf update-service SERVICE_INSTANCE [-p NEW_PLAN] [-c PARAMETERS_AS_JSON] [-t TAGS]`

Example:

`$ cf update-service mydb -c '{"ram_gb": 4}'`

DELETE SERVICE INSTANCE cf delete-service

`$ cf delete-service SERVICE_INSTANCE [-f]`

6. SPACE MANAGEMENT

LIST SPACES cf spaces

SHOW SPACE INFORMATION cf space

Available information: organization, apps, domains and services

`$ cf space SPACE_NAME`

NEW SPACE cf create-space

`$ cf create-space SPACE_NAME [-o ORG]`

DELETE SPACE cf delete-space

`$ cf delete-space SPACE_NAME`

RENAME SPACE cf rename-space

`$ cf rename-space SPACE_NAME NEW_SPACE_NAME`

7. 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`

8. HELP USAGE

DISPLAY COMMAND HELP cf help [CMD]