

CF Manage Apps (Start, Stop, Rename, Delete)

Table of Contents

Steps to Manage Apps in Cloud Foundry	2
Step 1: Git clone your app form github	2
Step 2: Deploy the app on pcf	2
Step 3: View the apps you deployed	2
Step 4: Restart the app.....	3
Step 5: Stop the app	3
Step 6: Start the app	3
Step 7: View events on the app.....	4
Step 8: Resize the app	4
Step 9: Rename the app	5
Step 10: Check logs on app.....	5
Step 11: Delete the app	5

Steps to Manage Apps in Cloud Foundry

Step 1: Git clone your app from github

```
# git clone https://github.com/cloudfoundry-samples/test-app.git
```

```
PS D:\> git clone https://github.com/cloudfoundry-samples/spring-hello-env.git
Cloning into 'spring-hello-env'...
remote: Counting objects: 35, done.
remote: Total 35 (delta 0), reused 0 (delta 0), pack-reused 35
Unpacking objects: 100% (35/35), done.
```

Step 2: Deploy the app on pcf

```
# cd .\test-app
```

```
# cf push cloudapp
```

```
PS D:\test-app> cf push cloudapp
Using manifest file D:\test-app\manifest.yml

Updating app cloudapp in org cloudeabled / space dev as admin...
OK

Uploading cloudapp...
Uploading app files from: D:\test-app
Uploading 86.1K, 116 files
Done uploading
```

Step 3: View the apps you deployed

```
# cf apps
```

```
requested state: started
instances: 1/1
usage: 256M x 1 instances
urls: spring-env-extrusible-oniomania.apps.ecloudeabled.in
last uploaded: Thu Jun 1 05:56:09 UTC 2017
stack: cflinuxfs2
buildpack: Go

#0 state since cpu memory disk details
running 2017-06-01 11:26:47 AM 0.0% 5.9M of 256M 13.5M of 1G
PS D:\test-app> cf apps
Getting apps in org cloudeabled / space dev as admin...
OK

name requested state instances memory disk urls
cloudapp started 1/1 256M 1G spring-env-extrusible-oniomania.apps.ecloud
enabled.in
```

Cloud Platform

Step 4: Restart the app

```
# cf restart cloudapp
```

```
PS D:\test-app> cf restart cloudapp
Stopping app cloudapp in org cloudeabled / space dev as admin...
OK

Starting app cloudapp in org cloudeabled / space dev as admin...
0 of 1 instances running, 1 starting
1 of 1 instances running

App started

OK

App cloudapp was started using this command 'test-app'
Showing health and status for app cloudapp in org cloudeabled / space dev as admin...
OK

requested state: started
instances: 1/1
usage: 256M x 1 instances
urls: spring-env-extrusible-oniomania.apps.ecloudeabled.in
last uploaded: Thu Jun 1 05:56:09 UTC 2017
stack: cflinuxfs2
buildpack: Go

#0 state since 2017-06-01 11:28:58 AM cpu memory disk details
running 0.0% 6M of 256M 13.5M of 1G
```

Step 5: Stop the app

```
# cf stop cloudapp
```

```
PS D:\test-app> cf stop cloudapp
Stopping app cloudapp in org cloudeabled / space dev as admin...
OK
```

```
# cf apps
```

```
PS D:\test-app> cf apps
Getting apps in org cloudeabled / space dev as admin...
OK

name requested state instances memory disk urls
cloudapp stopped 0/1 256M 1G spring-env-extrusible-oniomania.apps.ecloudeabled.in
enabled.in
```

Step 6: Start the app

```
# cf start cloudapp
```

```
PS D:\test-app> cf start cloudapp
Starting app cloudapp in org cloudeabled / space dev as admin...

Waiting for app to start...

name: cloudapp
requested state: started
instances: 1/1
usage: 256M x 1 instances
routes: spring-env-extrusible-oniomania.apps.ecloudeabled.in
last uploaded: Thu 01 Jun 11:26:09 IST 2017
stack: cflinuxfs2
buildpack: Go
start command: test-app

#0 state since 2017-06-01T06:02:12Z cpu memory disk details
running 0.0% 6M of 256M 13.5M of 1G
```

Step 7: View events on the app

```
# cf events cloudapp
```

```
PS D:\test-app> cf events cloudapp
Getting events for app cloudapp in org cloudeabled / space dev as admin...

time                event                actor    description
2017-06-01T11:32:09.00+0530 audit.app.update    admin    state: STARTED
2017-06-01T11:31:03.00+0530 audit.app.update    admin    state: STOPPED
2017-06-01T11:28:55.00+0530 audit.app.update    admin    state: STARTED
2017-06-01T11:28:53.00+0530 audit.app.update    admin    state: STOPPED
2017-06-01T11:26:19.00+0530 audit.app.update    admin    state: STARTED
2017-06-01T11:26:05.00+0530 audit.app.update    admin    instances: 1, memory: 256, environment_json: PRIVATE DATA HI
DDEN
2017-06-01T11:23:50.00+0530 audit.app.update    admin
2017-06-01T11:23:50.00+0530 audit.app.map-route admin
2017-06-01T11:23:45.00+0530 audit.app.create    admin    instances: 1, memory: 512, state: STOPPED, environment_json:
PRIVATE DATA HIDDEN
```

Step 8: Resize the app

```
# cf scale -i 2 -k 512M -m 128M cloudapp
```

-i – number of instance

-k – size of disk for instance for your app

-m – size of RAM for instances for your app

```
PS D:\test-app> cf scale -i 2 -k 512M -m 128M cloudapp
This will cause the app to restart. Are you sure you want to scale cloudapp?> yes
Scaling app cloudapp in org cloudeabled / space dev as admin...
OK
Stopping app cloudapp in org cloudeabled / space dev as admin...
OK
Starting app cloudapp in org cloudeabled / space dev as admin...
0 of 2 instances running, 2 starting
2 of 2 instances running
App started
OK
App cloudapp was started using this command 'test-app'
Showing health and status for app cloudapp in org cloudeabled / space dev as admin...
OK
requested state: started
instances: 2/2
usage: 128M x 2 instances
urls: spring-env-extrusible-oniomania.apps.ecloudeabled.in
last uploaded: Thu Jun 1 05:56:09 UTC 2017
stack: cflinuxfs2
buildpack: Go

state    since                cpu    memory                disk                details
#0    running    2017-06-01 11:34:44 AM    0.0%    5.9M of 128M    12.6M of 512M
#1    running    2017-06-01 11:34:44 AM    0.0%    0 of 128M        0 of 512M
```

Cloud Platform

Step 9: Rename the app

```
# cf rename myapp newapp

# cf apps
```

```
PS D:\test-app> cf rename myapp newapp
Renaming app myapp to newapp in org cloudeabled / space dev as admin...
OK
PS D:\test-app> cf apps
Getting apps in org cloudeabled / space dev as admin...
OK
```

name	requested state	instances	memory	disk	urls
my_app	stopped	0/1	512M	1G	my-app-undisparaged-anole.apps.ecloudenable
d.in					
newapp	started	1/1	256M	1G	myapp-spiculate-handclap.apps.ecloudenable
.in					

Step 10: Check logs on app

```
# cf logs newapp
```

```
PS D:\test-app> cf logs newapp
Retrieving logs for app newapp in org cloudeabled / space dev as admin...
```

Time	Source	Message
2017-06-01T11:10:32.23+0530	[APP/PROC/WEB/0]	OUT test-app. Says Hello. on index: 0
2017-06-01T11:10:33.23+0530	[APP/PROC/WEB/0]	OUT test-app. Says Hello. on index: 0
2017-06-01T11:10:34.23+0530	[APP/PROC/WEB/0]	OUT test-app. Says Hello. on index: 0
2017-06-01T11:10:35.23+0530	[APP/PROC/WEB/0]	OUT test-app. Says Hello. on index: 0
2017-06-01T11:10:36.23+0530	[APP/PROC/WEB/0]	OUT test-app. Says Hello. on index: 0
2017-06-01T11:10:37.23+0530	[APP/PROC/WEB/0]	OUT test-app. Says Hello. on index: 0

Step 11: Delete the app

```
# cf delete cloudapp
```

```
PS D:\test-app> cf delete cloudapp
Really delete the app cloudapp?> yes
Deleting app cloudapp in org cloudeabled / space dev as admin...
OK
```

```
# cf apps
```