



INDIGO - DataCloud

RIA-653549

Orchent

Bas Wegh



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Orchent

■ Orchent

- simple command line client for the orchestrator
- Using the REST API
- Just 'curl' but in user friendly
- Available for
 - Debian/Ubuntu
 - CentOS
 - Docker, so runs on Mac
- <https://github.com/indigo-dc/orchent>

- Orchent uses environment variables
 - **ORCHENT_URL**
 - The url of the orchestrator
 - **ORCHENT_TOKEN**
 - The ACCESS TOKEN
 - Scope: 'openid profile offline_access'
 - ORCHENT_CA
 - Optional
 - Contains path to the CA file to use



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Orchent Quickhelp

■ orchent -version

- 1.0.4

■ orchent --help

- Prints out the built in help, including all commands
 - help
 - **depls**
 - **depshow**
 - **depcreate**
 - depupdate
 - deptemplate
 - **depdel**
 - resls
 - resshow



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Orchent depls

■ List all deployments

```
$orchent depls  
retrieving deployment list:  
█
```



Orchent depls

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■ List all deployments

```
update time: 2017-05-05T10:32+0000
callback:
Deployment [3a9bdd4a-2862-4778-97d8-ae79640580d]:
status: CREATE_COMPLETE
creation time: 2017-05-05T10:22+0000
update time: 2017-05-05T10:23+0000
callback:
Deployment [bd846dee-81d1-4d36-889f-fad871f811f9]:
status: CREATE_COMPLETE
creation time: 2017-05-05T08:54+0000
update time: 2017-05-05T08:56+0000
callback:
Deployment [d9041788-6742-4d0a-95aa-f7acbef8411e]:
status: UPDATE_FAILED
creation time: 2017-05-05T07:43+0000
update time: 2017-05-05T11:08+0000
callback:
Deployment [2353c205-c829-4af3-bcf6-f8182ac628f5]:
status: CREATE_COMPLETE
creation time: 2017-05-04T20:20+0000
update time: 2017-05-04T20:21+0000
callback:
Deployment [64543a3d-59b8-4df9-974c-26e4de4fc5ec]:
status: CREATE_COMPLETE
creation time: 2017-05-04T10:45+0000
update time: 2017-05-04T11:03+0000
callback:
```



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Orchent depcreate

■ Create a new deployment

```
$orchent depcreate template.yaml '{"number_cpus":1, "memory_size":"1 GB"}'  
Deployment [ccbea01c-3167-4bda-b2f6-713407b04334]:  
  status: CREATE_IN_PROGRESS  
  creation time: 2017-05-06T09:49+0000  
  update time: 2017-05-06T09:49+0000  
  callback:  
  status reason:  
  task: NONE  
  CloudProviderName:  
  outputs:  
  {}  
  links:  
    self [https://orchestrator01-indigo.cloud.ba.infn.it/orchestrator/deployments/ccbea01c-3167-4bda-b2f6-713407b04334]  
    resources [https://orchestrator01-indigo.cloud.ba.infn.it/orchestrator/deployments/ccbea01c-3167-4bda-b2f6-713407b04334/resources]  
    template [https://orchestrator01-indigo.cloud.ba.infn.it/orchestrator/deployments/ccbea01c-3167-4bda-b2f6-713407b04334/template]
```

```
$
```



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Orchent depshow

■ Show a known deployment

```
File Edit View Search Terminal Help
$ orchent depshow 9a8bbdd7-85cd-471b-baa7-de06fe46d0b1
Deployment [9a8bbdd7-85cd-471b-baa7-de06fe46d0b1]:
  status: CREATE_IN_PROGRESS
  creation time: 2017-05-05T17:35+0000
  update time: 2017-05-05T17:35+0000
  callback:
  status reason:
  task: NONE
  CloudProviderName: provider-RECAS-BARI
  outputs:
  {}
  links:
    self [https://orchestrator01-indigo.cloud.ba.infn.it/orchestrator/deployments/9a8bbdd7-85cd-471b-baa7-de06fe46d0b1]
    resources [https://orchestrator01-indigo.cloud.ba.infn.it/orchestrator/deployments/9a8bbdd7-85cd-471b-baa7-de06fe46d0b1/resources]
    template [https://orchestrator01-indigo.cloud.ba.infn.it/orchestrator/deployments/9a8bbdd7-85cd-471b-baa7-de06fe46d0b1/template]
$
```




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Orchent depdel

■ Delete a known deployment

```
File Edit View Search Terminal Help
$ orchent depdel 80e6a954-d7fa-4895-acfa-5fc096bd2c27
deletion of deployment 80e6a954-d7fa-4895-acfa-5fc096bd2c27 successfully triggered
$ █
```



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Thank you

- Thank your attention.
- Questions?