
# API WORKSHOP PART 1
# LAB GUIDANCE

**25 Agustus 2016**

# LAB GUIDE – WORKSHOP 1

**Note :**
Access to server : ssh root@103.44.27.57 -p xxxx
Port ssh : 5001-5015
Password : WorkshopGio2016
ISO URL : http://103.44.27.57/iso/CentOS-7-x86_64-Minimal-1511.iso
Template URL : http://103.44.27.57/template/CentOS-7.0-amd64-minimal.ova

1. Setup API tools :
   Cloudmonkey :
   a. Install prerequisites :
      pip installation :
      RHEL/Centos :
      # yum install epel-release
      # yum install pyhon-pip

      Debian :
      # apt-get install python-pip

      Install readline, requests, Pygments, prettytable, argcomplete :
      # pip install readline
      # pip install requests
      # pip install Pygments
      # pip install prettytable
      # pip install argcomplete

   b. Installation cloudmonkey for python:
      # pip install cloudmonkey
      # cloudmonkey
      (local) > exit

   c. Configuration :
      # vi ~/.cloudmonkey/config
      [core]
      profile = local
      asyncblock = true
      paramcompletion = true
      history_file = /usr/share/cloudmonkey_history
      cache_file = /root/.cloudmonkey/cache
      log_file = /var/log/cloudmonkey

      [ui]
      color = false
      prompt = >
      display = table

```
[local]
username = your_username
domain = /
apikey = api_key
url = endpoint_url
expires = 600
signatureversion = 3
secretkey = secret_key
timeout = 3600
password = your_password
verifysslcert = true
```

Example :

```
[core]
profile = local
asyncblock = true
paramcompletion = true
history_file = /usr/share/cloudmonkey_history
cache_file = /root/.cloudmonkey/cache
log_file = /var/log/cloudmonkey

[ui]
color = false
prompt = >
display = table

[local]
username = username@gmail.com
domain = /
apikey = DxeQbaMoLxxxxxPBk1ORDaBYxxx
url = https://cloud.biznetgiocloud.com/portal/client/apis/cloudapi
expires = 600
signatureversion = 3
secretkey = 7HWfRL5P3G1mExxxxxOhWRvbt7lEL6a7S_xxx
timeout = 3600
password = password
verifysslcert = true
```

2. VM operational
    a. create :
    deploy virtualmachine serviceofferingid=xxx templateid=xxx zoneid=xxx networkids=xxx displayname=xxx name=xxx

    b. power off :
    stop virtualmachine id=xxx

c. change VM specification
scale virtualmachine id=xxx serviceofferingid=xxx

d. reset password :
reset passwordforvirtualmachine id=xxx

e. power on :
start virtualmachine id=xxx

f. list all VM :
list virtualmachines

3. upload ISO
   a. upload iso
   register iso displaytext=xxx name=xxx url=xxx zoneid=xxx bootable=true ostypeid=xxx

   b. attach ISO to VM
   list isos name=xxx (get iso id)
   attach iso id=xxx virtualmachineid=xxx

   c. detach ISO from VM
   detach iso virtualmachineid=xxx

   d. delete ISO
   delete iso id=xxx

4. create template
   a. upload template :
   register template displaytext=xxx format=ova hypervisor=vmware name=xxx ostypeid=xxx url=xxx zoneid=xxx isdynamicallyscalable=true

   b. delete template :
   delete template id=xxx

5. volume operational
   a. increase volume
   stop virtualmachine id=xxx
   list virtualmachines name=xxx (get vmid)
   list volumes virtualmachineid=xxx (get volume id)
   resize volume id=xxx size=xxx

6. destroy VM
   a. destroy VM
   destroy virtualmachine id=xxx expunge=true