OM – BASIC

Name	Command
om	A command-line API client for Pivotal Operations Manager
omcli	export passwd='CHANGEME'; alias omcli="om -t https://30.0.0.5 -u admin -p $password -k"
Get uaa admin password	`omcli curl -p /api/v0/deployed/products/${bosh_deployment}/credentials/.properties.uaa_admin_password`
Get bosh connect credential	`omcli curl -p /api/v0/deployed/director/credentials/bosh_commandline_credentials`
List all installed tiles	`omcli curl -p /api/v0/installations`
Upload tile to opsmanager via cli	`omcli upload-product -p </path/myproduct.pivotal>`
Upload stemcell to opsmanager via cli	`omcli upload-stemcell -s </path/mystemcell.tgz>`
Use pivnet cli to download stemcell	Once `pivnet login`, `pivnet download-product-files -p stemcells-ubuntu-xenial -r 170.15 -g '*vsphere*' -d /tmp/`
Show status of apply changes	`omcli installation-log --id 2`, `omcli installation-log --id $installation_id`
List all properties for a deployment	`bosh deployments`, `omcli curl -p /api/v0/staged/products/${bosh_deployment}/properties -s`
json output	`omcli -k --format=json staged-products`

GET BOSH/PKS TILE CREDENTIAL FROM OM

Name	Summary
bosh tile -> Bosh Commandline Credentials	`omcli curl -p /api/v0/deployed/director/credentials/bosh2_commandline_credentials`
Get ops-manager ca cert	`omcli curl -p /api/v0/certificate_authorities`
pks tile -> Uaa Admin Password	`omcli curl -p /api/v0/deployed/products/${bosh_deployment}/credentials/.properties.uaa_admin_password`
pks tile -> Pks Uaa Management Admin Client	`omcli curl -p /api/v0/deployed/products/${bosh_deployment}/credentials/.properties.pks_uaa_management_admin_client`

pks tile -> api server FQDN	`omcli curl -p /api/v0/deployed/products/${bosh_deployment}/credentials/.properties.pks_api_hostname`
pks tile -> pks certificates	`omcli curl -p /api/v0/deployed/products/${bosh_deployment}/credentials/.pivotal-container-service.pks_tls`
pks tile -> whether wavefront is enabled	`omcli curl -p /api/v0/deployed/products/${bosh_deployment}/credentials/.properties.wavefront`
pks tile -> wavefront token	`omcli curl -p /api/v0/deployed/products/${bosh_deployment}/credentials/.properties.wavefront.enabled.wavefront_token`

OM PRODUCT

Name	Summary
Upload tile from cli	`omcli upload-product -p </path/myproduct.pivotal>`
List products	`omcli curl -s -p /api/v0/staged/products`
List all available products	`omcli available-products`, or `omcli curl -p /api/v0/available_products`
List all deployed products	`omcli deployed-products`
Delete all unused products	`omcli delete-unused-products`
Delete product	`omcli -k delete-product -p pivotal-container-service -v 1.3.0-build.3`
Unstage product	`omcli -k unstage-product -p pivotal-container-service`
Stage product	`omcli -k stage-product -p pivotal-container-service -v 1.3.0-build.3`

PIVNET-CLI

Name	Comment
pivnet	CLI to interact with Pivotal Network. Install pivnet CLI
pivnet login	`pivnet login --api-token $your_token`
pivnet download stemcell	`pivnet download-product-files -p stemcells-ubuntu-xenial -r 170.9 -g '*vsphere*' -d /tmp/`
List all products	`pivnet products`
Show product info	`pivnet product -p pivotal-container-service`

TILE REFERENCE

Name	Command
kiln	A command line tool to help you maintain tile metadata. Download kiln
Example	example-product/metadata/example-product.yml.erb
nozzle	
firehose	
service broker	
buildpack	
Reference	Forms Reference, Product Template Reference, Property Reference, Tile Generator

OPS MANAGER

Name	Command
Release folder	`/var/tempest/releases`
Restart Ops Manager	`service tempest-web start`, `service tempest-web stop`
Grant file access	`chown tempest-web:tempest-web /var/tempest/releases/<your-release.tgz>`
Tile entrance file	`/var/tempest/workspaces/default/metadata/*.yml`
Tile jobs folder	`/var/vcap/jobs`

OM CLI ONLINE HELP

```
> om --help

om helps you interact with an Ops Manager


Usage: om [options] <command> [<args>]

  --client-id, -c          string  Client ID for the Ops Manager VM (not required for unauthenticated commands, $
OM_CLIENT_ID)

  --client-secret, -s      string  Client Secret for the Ops Manager VM (not required for unauthenticated command
s, $OM_CLIENT_SECRET)

  --connect-timeout, -o    int     timeout in seconds to make TCP connections (default: 5)

  --format, -f             string  Format to print as (options: table,json) (default: table)
```

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  --help, -h                    bool    prints this usage information (default: false)

  --password, -p                string  admin password for the Ops Manager VM (not required for unauthenticated comman
ds, $OM_PASSWORD)

  --request-timeout, -r         int     timeout in seconds for HTTP requests to Ops Manager (default: 1800)

  --skip-ssl-validation, -k     bool    skip ssl certificate validation during http requests (default: false)

  --target, -t                  string  location of the Ops Manager VM

  --trace, -tr                  bool    prints HTTP requests and response payloads

  --username, -u                string  admin username for the Ops Manager VM (not required for unauthenticated comman
ds, $OM_USERNAME)

  --version, -v                 bool    prints the om release version (default: false)


Commands:
  activate-certificate-authority  activates a certificate authority on the Ops Manager

  apply-changes                   triggers an install on the Ops Manager targeted

  available-products              list available products

  certificate-authorities         lists certificates managed by Ops Manager

  certificate-authority           prints requested certificate authority

  config-template                 **EXPERIMENTAL** generates a config template for the product

  configure-authentication        configures Ops Manager with an internal userstore and admin user account

  configure-bosh                  **DEPRECATED** configures Ops Manager deployed bosh director

  configure-director              configures the director

  configure-product               configures a staged product

  configure-saml-authentication   configures Ops Manager with SAML authentication

  create-certificate-authority    creates a certificate authority on the Ops Manager
```

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create-vm-extension            creates a VM extension
credential-references          list credential references for a deployed product
credentials                    fetch credentials for a deployed product
curl                           issues an authenticated API request
delete-certificate-authority   deletes a certificate authority on the Ops Manager
delete-installation            deletes all the products on the Ops Manager targeted
delete-product                 deletes a product from the Ops Manager
delete-unused-products         deletes unused products on the Ops Manager targeted
deployed-manifest              prints the deployed manifest for a product
deployed-products              lists deployed products
errands                        list errands for a product
export-installation            exports the installation of the target Ops Manager
generate-certificate           generates a new certificate signed by Ops Manager's root CA
generate-certificate-authority generates a certificate authority on the Opsman
help                           prints this usage information
import-installation            imports a given installation to the Ops Manager targeted
installation-log               output installation logs
installations                  list recent installation events
pending-changes                lists pending changes
regenerate-certificates        deletes all non-configurable certificates in Ops Manager...
revert-staged-changes          reverts staged changes on the Ops Manager targeted
set-errand-state               sets state for a product's errand
stage-product                  stages a given product in the Ops Manager targeted
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    staged-config                    **EXPERIMENTAL** generates a config from a staged product
    staged-manifest                  prints the staged manifest for a product
    staged-products                  lists staged products
    unstage-product                  unstages a given product from the Ops Manager targeted
    upload-product                   uploads a given product to the Ops Manager targeted
    upload-stemcell                  uploads a given stemcell to the Ops Manager targeted
    version                          prints the om release version
```

1.9 PIVNET CLI ONLINE HELP

```
> pivnet --help
Usage:
  pivnet [OPTIONS] <command>


Application Options:
  -v, --version                Print the version of this CLI and exit
      --format=[table|json|yaml] Format to print as (default: table)
      --verbose                Display verbose output
      --profile=               Name of profile (default: default)
      --config=                Path to config file (default: /Users/zdenny/.pivnetrc)


Help Options:
  -h, --help                   Show this help message


Available commands:
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accept-eula                   Accept EULA (Available for pivots only) (aliases: ae)
add-file-group                Add file group to release (aliases: afg)
add-product-file              Add product file to release (aliases: apf)
add-release-dependency        Add release dependency (aliases: ard)
add-release-upgrade-path      Add release upgrade path (aliases: arup)
add-user-group                Add user group to release (aliases: aug)
add-user-group-member         Add user group member to group (aliases: augm)
create-dependency-specifier   Create dependency specifier (aliases: cds)
create-file-group             Create file group (aliases: cfg)
create-product-file           Create product file (aliases: cpf)
create-release                Create release (aliases: cr)
create-user-group             Create user group (aliases: cug)
curl                          Curl an endpoint (aliases: c)
delete-dependency-specifier   Delete dependency specifier (aliases: dds)
delete-file-group             Delete file group (aliases: dfg)
delete-product-file           Delete product file (aliases: dpf)
delete-release                Delete release (aliases: dr)
delete-user-group             Delete user group (aliases: dug)
dependency-specifier          Get dependency specifier (aliases: ds)
dependency-specifiers         List dependency specifiers (aliases: dss)
download-product-files        Download product files (aliases: dlpf)
eula                          Show EULA (aliases: e)
eulas                         List EULAs (aliases: es)
```

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file-group                      Show file group (aliases: fg)
file-groups                     List file groups (aliases: fgs)
help                            Print this help message (aliases: h)
login                           Log in to Pivotal Network. (aliases: l)
logout                          Log out from Pivotal Network.
product                         Show product (aliases: p)
product-file                    Show product file (aliases: pf)
product-files                   List product files (aliases: pfs)
products                        List products (aliases: ps)
release                         Show release (aliases: r)
release-dependencies            List release dependencies (aliases: rds)
release-types                   List release types (aliases: rts)
release-upgrade-paths           List release upgrade paths (aliases: rups)
releases                        List releases (aliases: rs)
remove-file-group               Remove file group from release (aliases: rfg)
remove-product-file             Remove product file from release (aliases: rpf)
remove-release-dependency       Remove release dependency (aliases: rrd)
remove-release-upgrade-path     Remove release upgrade path (aliases: rrup)
remove-user-group               Remove user group from release (aliases: rug)
remove-user-group-member        Remove user group member from group (aliases: rugm)
update-file-group               Update file group (aliases: ufg)
update-product-file             Update product file (aliases: upf)
update-release                  Update release (aliases: ur)
```

```
update-user-group        Update user group (aliases: uug)
user-group               Show user group (aliases: ug)
user-groups              List user groups (aliases: ugs)
version                  Print the version of this CLI and exit (aliases: v)
```