1 CheatSheet: Cloudfoundry Tile & OpsManager

VMWARE

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- PDF Link: cheatsheet-tile-A4.pdf, Category: vmware
- Blog URL: https://cheatsheet.dennyzhang.com/cheatsheet-tile-A4
- \bullet Related posts: PKS CheatSheet, Bosh CheatSheet, #denny-cheatsheets

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1.1 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 \$pas
Upload tile to opsmanager via cli	omcli upload-product -p
Upload stemcell to opsmanager via cli	omcli upload-stemcell -s
List all properties for a deployment	bosh deployments, omcli curl -p /api/v0/staged/products/\${bosh_deployment}/
Get uaa admin password	<pre>omcli curl -p /api/v0/deployed/products/\${bosh_deployment}/credentials/.pr</pre>
Get bosh connect credential	omcli curl -p /api/v0/deployed/director/credentials/bosh_commandline_crede
List all installed tiles	omcli curl -p /api/v0/installations
Show status of apply changes	omcli installation-logid 2, omcli installation-logid \$installation_id
json output	omcli -kformat=json staged-products
Reference	PKS CheatSheet, Bosh CheatSheet, Tile CheatSheet, UAA CheatSheet

1.2 Tile Challenges

Name	Comment
Tiles are big	It's usually GBs. Too big to distribute
In Opsmanager, can't cancel task	Costly to make mistakes
In Opsmanager, can't downgrade	Inconvenient for development cycle
In Opsmanager, review changes is confusing	The review feature should be more informative
Slow to apply changes	Usually it takes hours, while minutes in kubernetes

1.3 om product

Name	Summary
Upload tile from cli	omcli upload-product -p
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

1.4 pivnet-cli

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

1.5 Get bosh/pks tile credential from om

Name	Summary
bosh tile -> Bosh Commandline Credentials	omcli curl -p /api/v0/deployed/director/credentials/bosh2_commandl
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}/credent
pks tile -> Pks Uaa Management Admin Client	omcli curl -p /api/v0/deployed/products/\${bosh_deployment}/credent
pks tile - $>$ api server FQDN	omcli curl -p /api/v0/deployed/products/\${bosh_deployment}/credent
pks tile -> pks certificates	omcli curl -p /api/v0/deployed/products/\${bosh_deployment}/credent
pks tile -> whether wavefront is enabled	omcli curl -p /api/v0/deployed/products/\${bosh_deployment}/credent
pks tile -> wavefront token	omcli curl -p /api/v0/deployed/products/\${bosh_deployment}/credent

1.6 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

1.7 Ops manager

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

1.8 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 Ups Manager VM (not required for unauthenticated comma
client-secret, -s	string	Client Secret for the Ops Manager VM (not required for unauthenticated c
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)
help, -h	bool	prints this usage information (default: false)
password, -p	string	admin password for the Ops Manager VM (not required for unauthenticated
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
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

Updated: January 13, 2019

DEPRECATED configures Ops Manager deployed bosh director configure-bosh 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 creates a VM extension create-vm-extension credential-references list credential references for a deployed product credentials fetch credentials for a deployed product issues an authenticated API request curl 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 deletes unused products on the Ops Manager targeted delete-unused-products deployed-manifest prints the deployed manifest for a product lists deployed products deployed-products list errands for a product errands export-installation exports the installation of the target Ops Manager generates a new certificate signed by Ops Manager's root CA generate-certificate generate-certificate-authority generates a certificate authority on the Opsman prints this usage information import-installation imports a given installation to the Ops Manager targeted installation-log output installation logs list recent installation events installations pending-changes lists pending changes regenerate-certificates deletes all non-configurable certificates in Ops Manager... reverts staged changes on the Ops Manager targeted revert-staged-changes set-errand-state sets state for a product's errand stages a given product in the Ops Manager targeted stage-product staged-config **EXPERIMENTAL** generates a config from a staged product staged-manifest prints the staged manifest for a product staged-products lists staged products unstages a given product from the Ops Manager targeted unstage-product upload-product uploads a given product to the Ops Manager targeted uploads a given stemcell to the Ops Manager targeted upload-stemcell version prints the om release version 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: Show this help message -h, --help Available commands: Accept EULA (Available for pivots only) (aliases: ae) accept-eula Add file group to release (aliases: afg) add-file-group Add product file to release (aliases: apf) add-product-file Add release dependency (aliases: ard) add-release-dependency add-release-upgrade-path Add release upgrade path (aliases: arup)

Add user group to release (aliases: aug)

add-user-group

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```
add-user-group-member
                             Add user group member to group (aliases: augm)
                             Create dependency specifier (aliases: cds)
create-dependency-specifier
create-file-group
                             Create file group (aliases: cfg)
                             Create product file (aliases: cpf)
create-product-file
                             Create release (aliases: cr)
create-release
                             Create user group (aliases: cug)
create-user-group
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)
                             Get dependency specifier (aliases: ds)
dependency-specifier
dependency-specifiers
                             List dependency specifiers (aliases: dss)
                             Download product files (aliases: dlpf)
download-product-files
                             Show EULA (aliases: e)
eulas
                             List EULAs (aliases: es)
                             Show file group (aliases: fg)
file-group
file-groups
                             List file groups (aliases: fgs)
                             Print this help message (aliases: h)
help
login
                             Log in to Pivotal Network. (aliases: 1)
logout
                             Log out from Pivotal Network.
                             Show product (aliases: p)
product
product-file
                             Show product file (aliases: pf)
                             List product files (aliases: pfs)
product-files
                             List products (aliases: ps)
products
release
                             Show release (aliases: r)
                             List release dependencies (aliases: rds)
release-dependencies
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 from release (aliases: rug)
remove-user-group
                             Remove user group member from group (aliases: rugm)
remove-user-group-member
                             Update file group (aliases: ufg)
update-file-group
update-product-file
                             Update product file (aliases: upf)
                             Update release (aliases: ur)
update-release
update-user-group
                             Update user group (aliases: uug)
```

More Resources

user-group user-groups

version

1.10

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Show user group (aliases: ug)

List user groups (aliases: ugs)

Print the version of this CLI and exit (aliases: v)

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