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https://www.oracle.com/corporate/events/cloudtestdrive

https://github.com/rkon02/TestDrive

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 2

2

Deploying and managing PeopleSoft on Oracle Cloud Infrastructure

Oracle PeopleSoft Cloud Manager Hands-On Lab

https://github.com/rkon02/TestDrive

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3

PeopleSoft Cloud Manager

Features for Oracle Cloud

Self Service Deployment

- One touch provisioning
- Rapid, on-demand deployment
- Manage instances - create Demo, Dev, Test or Prod environments

Manage Life Cycle

- Subscribe to Update Release Channels
- Set up PUM environments
- Safely test and evaluate new features and customizations

Publish App Blueprints

- Customize your application deployment
- Define your topology
- Monitor and scale up to workloads

Migrate to Cloud

- Lift and Shift your on-premise systems to Cloud
- Securely backup and restore your PeopleSoft environments on Oracle Cloud

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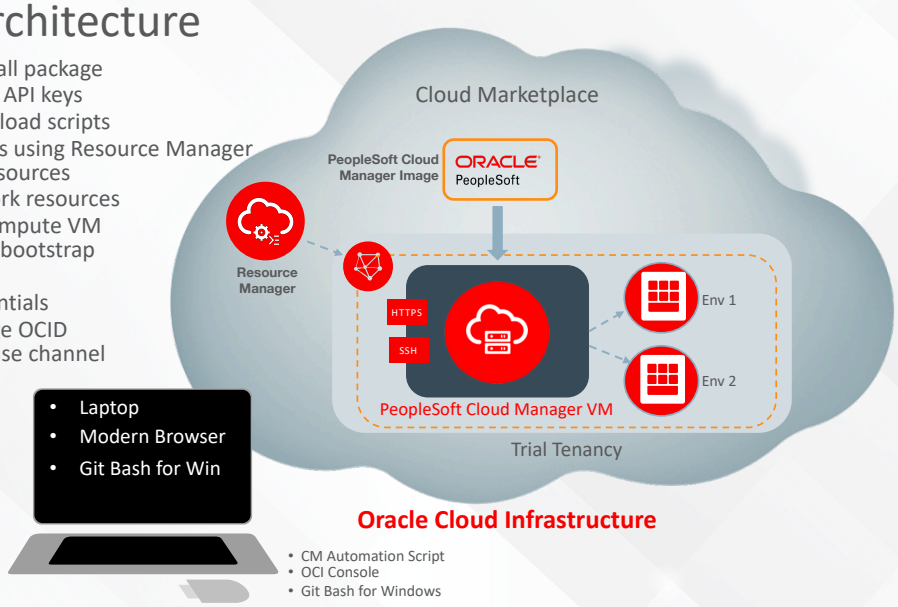
4

Workshop Architecture

1. Download and run install package
   1. Generate SSH and API keys
   2. Repackage and upload scripts
2. Provision OCI Resources using Resource Manager
   1. Creation of OCI resources
   2. Creation of Network resources
   3. Creation of CM compute VM
   4. Installation of CM bootstrap
3. Configure Settings
   1. Define MoS credentials
   2. Set Linux Ref Image OCID
   3. Subscribe to Release channel
4. Create Env1
   1. Create Template
   2. Provision Env



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5

Running PeopleSoft on Oracle Cloud – More with Less

- Cloud Manager Automation
  - Automation
  - Infrastructure Deployment
  - PeopleSoft Services

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- Create your services
  - Define Blueprint
  - Self Service
  - Deploy test, UAT, prod
  - Clone

25%

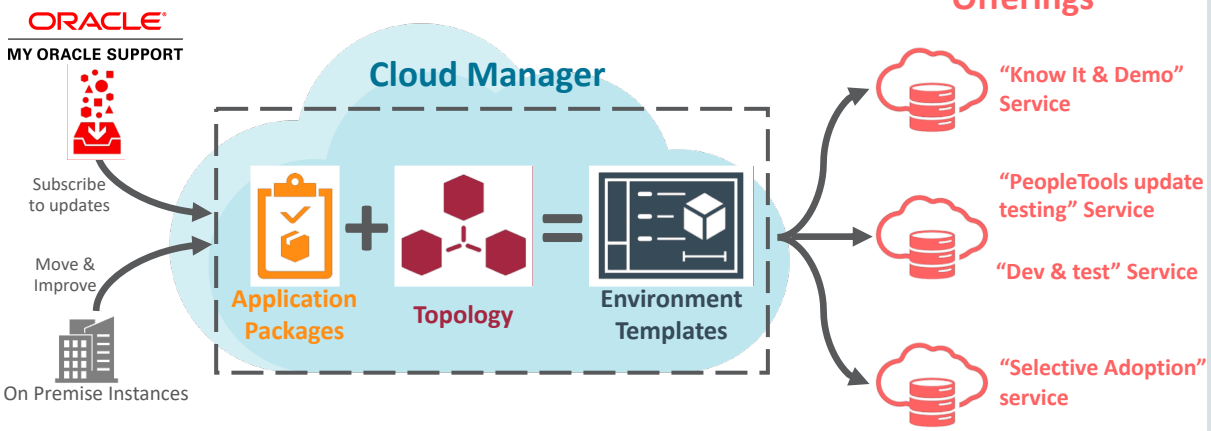
- Migrate
  - Lift and Shift
  - Migration Tools
  - Import database

60%

- Manage Life Cycle
  - PUM updates
  - Tools Update
  - Tools Upgrade
  - On demand Scaling
  - Backup, Restore

6

Build your own service offerings



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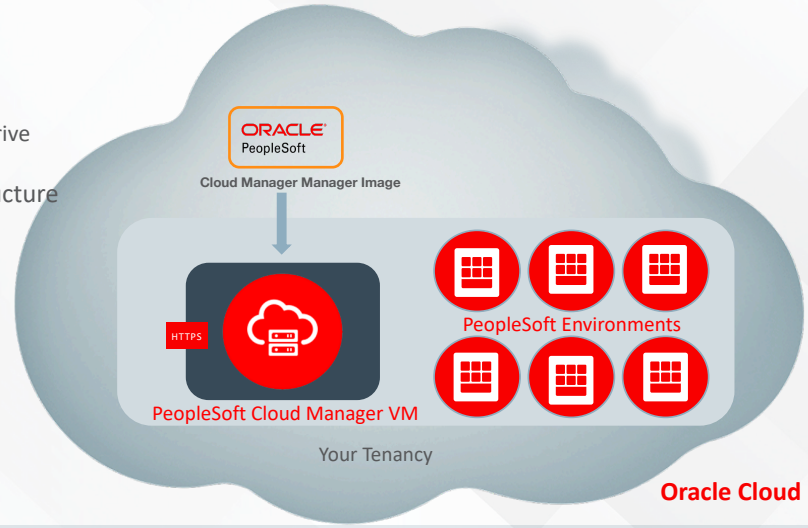
PeopleSoft Cloud Manager

Deployment

- Cloud Manager
  Image 10 available in
  - Github/rkon02/TestDrive
- Setup OCI Network infrastructure
  VCN, Subnet, Sec list, Users
- Install CM on Compute VM
  Bootstrap installation
- Configure Settings
  - Set MoS credentials
  - Linux/Windows VM OCID



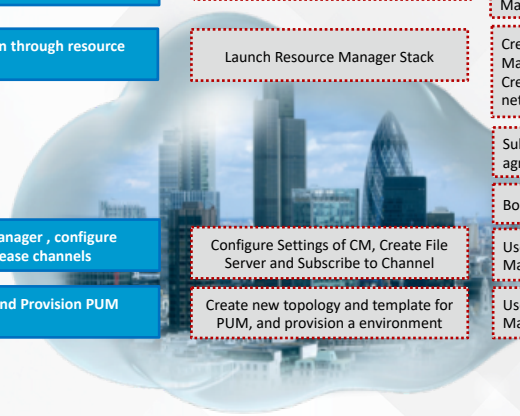
8

Storyboard

Go to LAB Workbook :
Workshop Overview → Workshop Overview

What	How	Notes
Exercise 1: Log in to Your Trial Tenancy	Get trial account details from your email	Sign-up for a trial account at the welcome desk
Exercise 2: Generate keys and package automation script	Download and run the Cloud Manager network automation package script	Download, run the automation package , generate keys , Package scripts and upload to Resource Manager
Exercise 3: Deploy automation through resource manager cloud stack	Launch Resource Manager Stack	Create a new instance from Marketplace Create user, group, compartment and network resources
		Subscribe and accept license agreement of CM and Linux Ref image
		Bootstrap install of CM
Exercise 4: Log in to Cloud Manager , configure Settings and Subscribe to Release channels	Configure Settings of CM, Create File Server and Subscribe to Channel	Use the Oracle PeopleSoft Cloud Manager user interface
Exercise 5: Create Template and Provision PUM instance	Create new topology and template for PUM, and provision a environment	Use the Oracle PeopleSoft Cloud Manager user interface

Cloud (OCI)



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9

Hands-on Lab Setup

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Go to HOL Workbook : 2. Requirements

Set Up Lab Workstation

- Connect to WIFI – no VPN usage
  - [ADD WIFI Connectivity Information HERE]
- Validate Prerequisites
  - Modern browser (Google Chrome, Mozilla Firefox)
    - Do not use Safari as it is not compatible with the OCI Console
- Ensure Git Bash is installed on your laptop/workstation.
- Download automation scripts bundle 'psftcm-setup.zip' – **DOWNLOAD**

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11

Exercise 1

Exercise 1: Log in to Your Trial Tenancy

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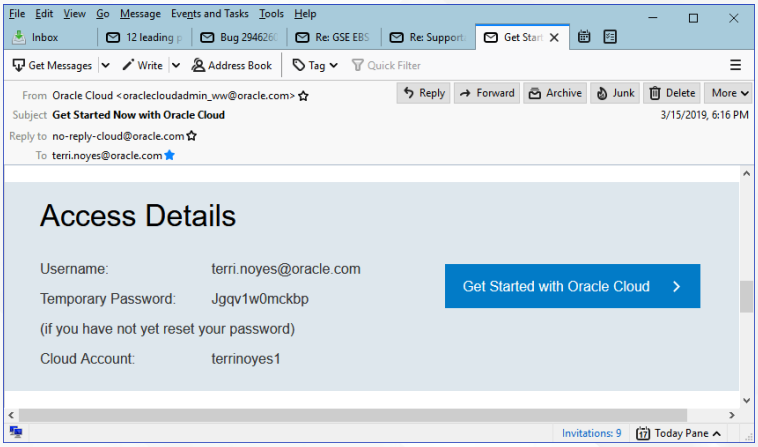
 12

12

Registration Email



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13

Exercise 2

Exercise 2: Generate keys and package automation script

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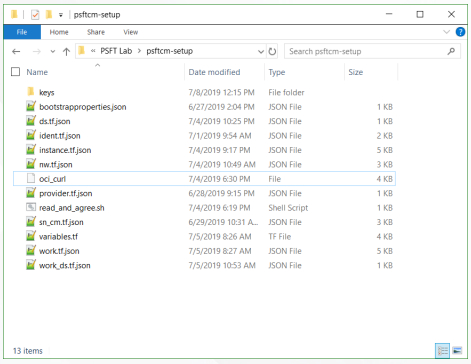
Prepare automation package

1. Extract psftcm-setup-3.0.zip to a new folder on the laptop/workstation. Let's call it 'psftcm-setup'.



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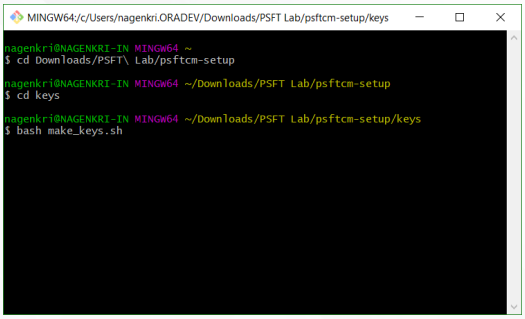
15

Generate SSH and API key

- Launch Git Bash command line and navigate to the newly extracted folder – 'psftcm setup3-0'.
- Change directory to "keys" folder, under the extracted folder



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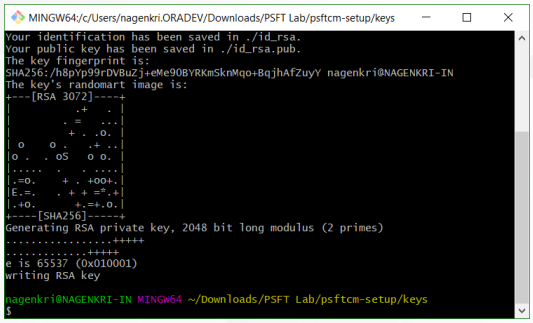
Generate SSH and API key

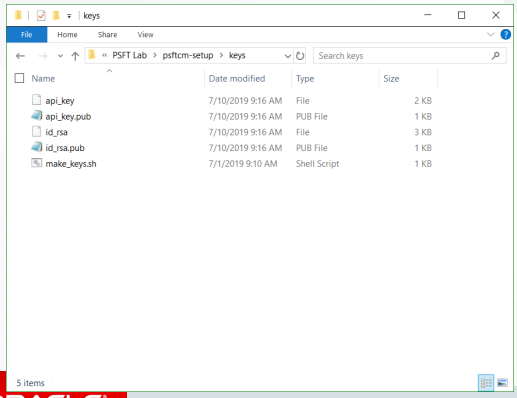
- Run the script “bash make_keys.sh



17

Review keys

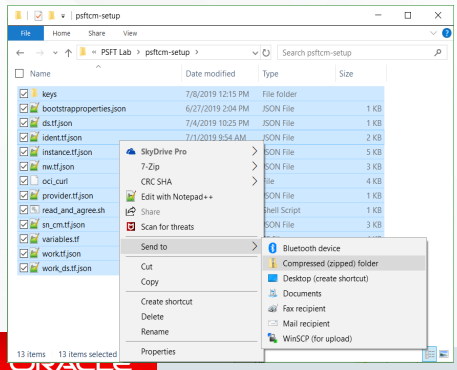
1. Below set of key files are generated. There are two sets of keys –
   I. API Signing keys – **api_key** and **api_key.pub**
   II. SSH key pair – **id_rsa** and **id_rsa.pub**

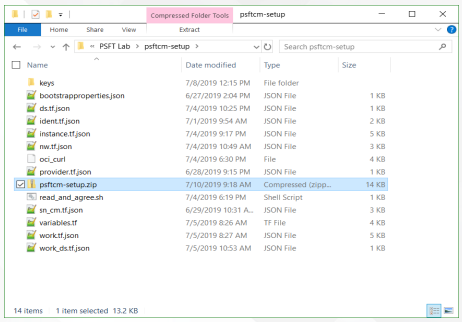


18

Package Keys

- Zip the contents in the extracted folder into a new zip file. Let's call it 'psftcm-setup-3.0.zip'. Note – The zip file should be created as shown below. Select all files → right-click → Send to → Compressed folder. Rename the zip file.





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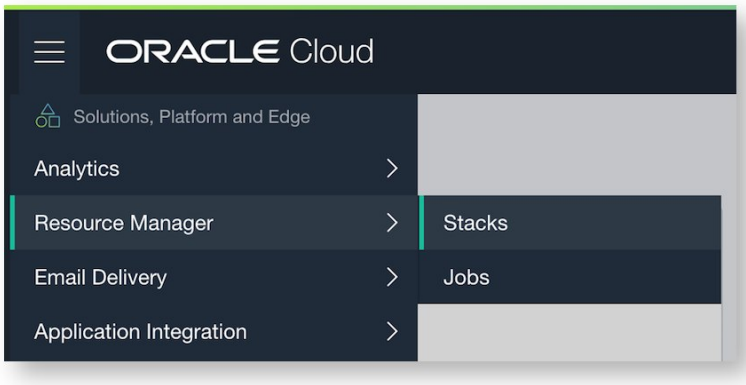
Exercise 3

Exercise 3: Deploy automation through Resource Manager and Cloud Stack

20

Oracle Cloud Infrastructure Resource Manager

OCI Resource Deployment Automation with Terraform



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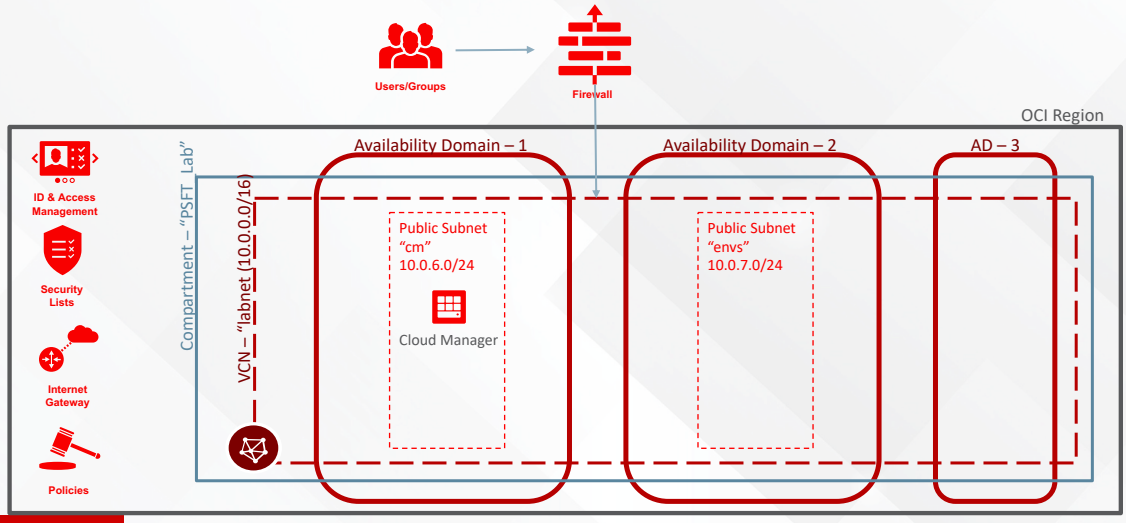
21

Resource Manager Deploys OCI Resources



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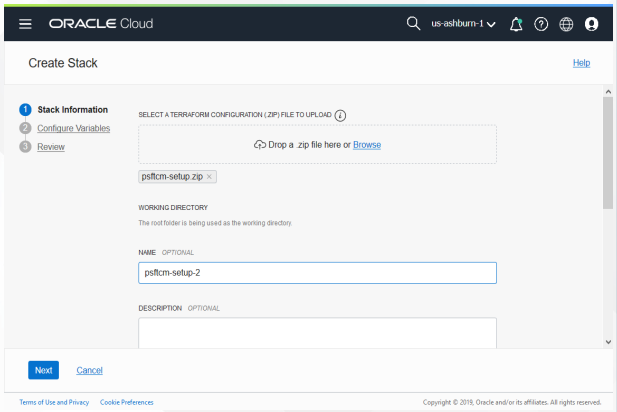
22

Resource Manager Deployment

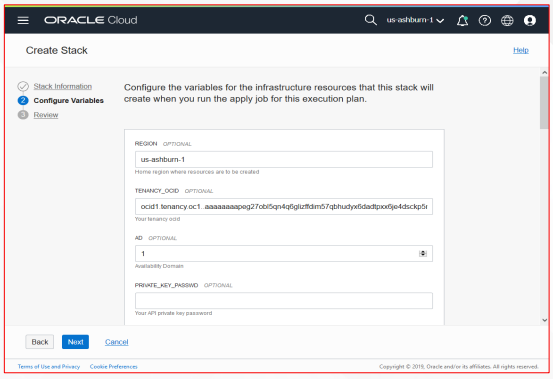
- Logon to OCI Console
- In a browser, launch the OCI console and navigate to Resource Manager →Stacks
- Add a new stack by uploading the newly created psftcm-setup3-0.zip file.

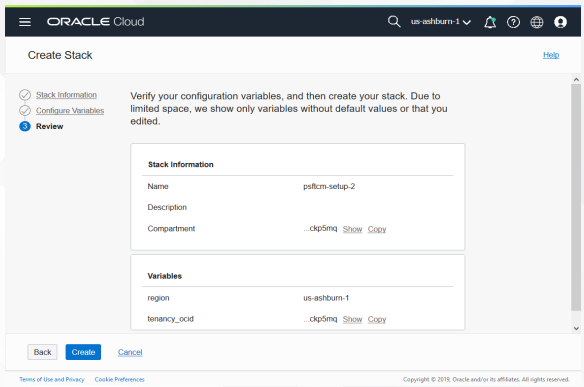


23

Using Resource Manager

- Click Next..
- Click Create. This will add a new stack and open the stack details page.

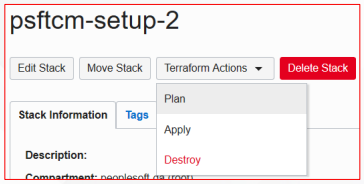




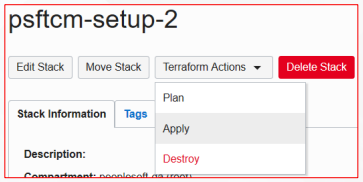
24

Deploy CM using Resource Manager

- On the stack details page, under “Terraform Actions”, click Plan.



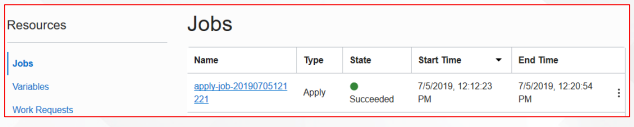
- After the Plan completes successfully, run Terraform Apply.



25

Deploy using Resource Manager

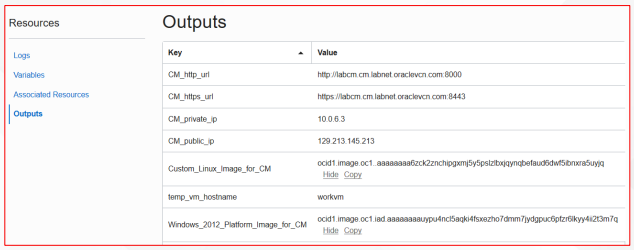
- Terraform Apply job is a long running process. After it completes, the output from this job will have the IP address and PIA URL of CM instance. To obtain those details, click on the Job name.



26

Deploy using Resource Manager

- On the job details page, click on Output link under Resources.

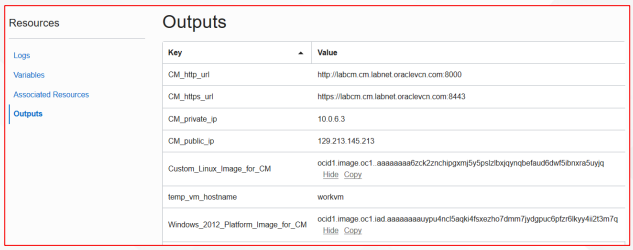


- Make a note of **Custom_Linux_Image_for_CM** and **Windows_2012_Platform_Image_for_CM** values. These OCIDs will be required in the next section.
- Make a note of **CM_public_ip** and **CM_http_url.**

27

Completing CM deployment

- Wait for Terraform job to complete



- Add an entry to **C:\Windows\System32\drivers\etc\hosts** entry on your laptop/workstation as shown below. Use the hostname value for attribute
  - **Add an entry** 129.213.145.213 labcm.cm.labnet.oraclevcn.com

28

Exercise 4

Exercise 4: Log in to Cloud Manager , configure Settings and Subscribe to Release channels

 29

29

Making Resources available

- Delete the temporary workvm
- On the OCI console, navigate to Menu → Compute → Instances. Click on the 'workvm'. Delete this instance, by clicking on Actions → Terminate. Wait for few seconds for the status to change to TERMINATING or TERMINATED.

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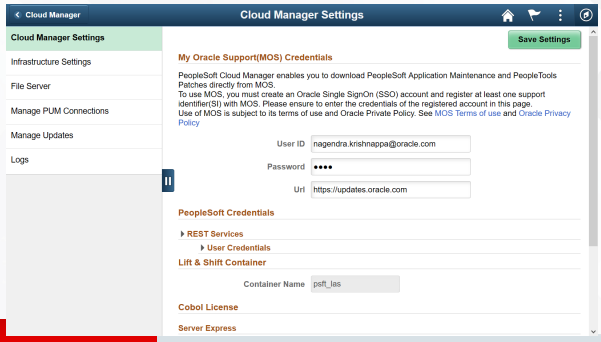
30

Configuring Cloud Manager

- Navigate to Cloud Manager Dashboard | Cloud Manager Settings | Cloud Manager Settings
- Update My Oracle Support (MOS) Credentials. This is required to download DPKs and PRPs automatically.



31

Configuring Cloud Manager Settings

- Navigate to Infrastructure Settings and update Operating System Images using below provided OCIDs. Use the OCIDs that were obtained in earlier steps.

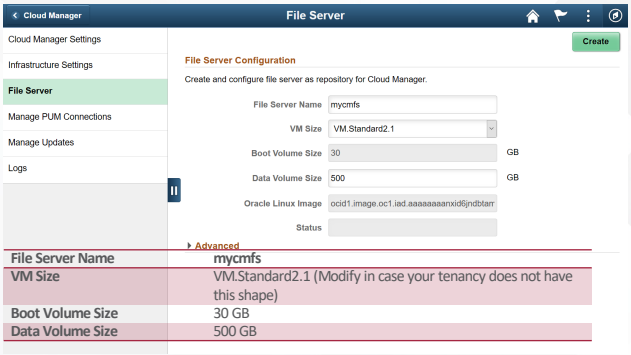
Linux	ocid1.image.oc1..aaaaaaaa6zck2znchipgxmj5y5pslzlbxjqynqbefaud6dwf5ibnxra5uyjq
Windows	ocid1.image.oc1.iad.aaaaaaaauypu4ncl5aqki4fsxezho7dmm7jydgpuc6pfzr6lkyy4ii2t3m7q
Windows Password	Any complex password. For e.g zScSGFEhV^sQ6

- Save
- Click 'Refresh OCI Metadata' button on top of the page and wait for few minutes

32

Configuring File Server

- Next, navigate to File Server tab. Provide the following inputs and hit Create

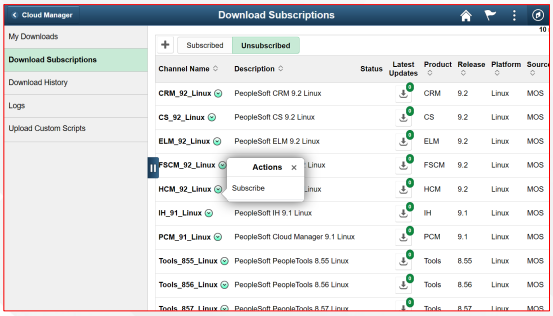


File Server Name	mycmfs
VM Size	VM.Standard2.1 (Modify in case your tenancy does not have this shape)
Boot Volume Size	30 GB
Data Volume Size	500 GB

33

Subscribe to Channels

- Subscribe to Channels
- Navigate to Cloud Manager Dashboard Repository → Download Subscriptions→
- Go to the Unsubscribed tab
- On a download channel of your choice, click on related actions menu and click Subscribe. E.g, HCM_92_Linux.



34

Exercise 5

Create Template and Provision PUM instance

 35

35

Topology Edits

- Navigate to Dashboard | Topology | PUM Fulltier topology. This topology will be used to create a new
- Review the nodes and update the Shapes. Click Full Tier node and select a shape that is available in your AD 2. In this case, select VM.Standard2.1.
- Delete the Windows node from the topology. Click 'Delete' on the page shown below and save the topology.

 36

36

Create New Template

- Navigate to Dashboard | Environment Template. Click Add New Template button. Provide below details and click Next
- On Select Topology page, click on search icon to search for a topology and select the PUM Fulltier topology you modified in earlier step
- Select Custom attributes , Click Edit
- Expand the Region and Availability Domains section. Select the Region and Availability Domain in which Cloud Manager instance is NOT deployed (AD-2).
- Click Next, Review and Submit

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 37

37

Create Environment

- Navigate to Dashboard | Environments. Click Create Environment button.
- Provide a unique environment name. Select the Template that was created in previous section – MYPUM. Expand all sections under Environment Attributes and provide all inputs. Use the table given below for quick and default values. Click Done to begin the environment provisioning process.
- Monitor the deployment logs under Dashboard | Environments | <Environment> | Action Menu | Details | Logs

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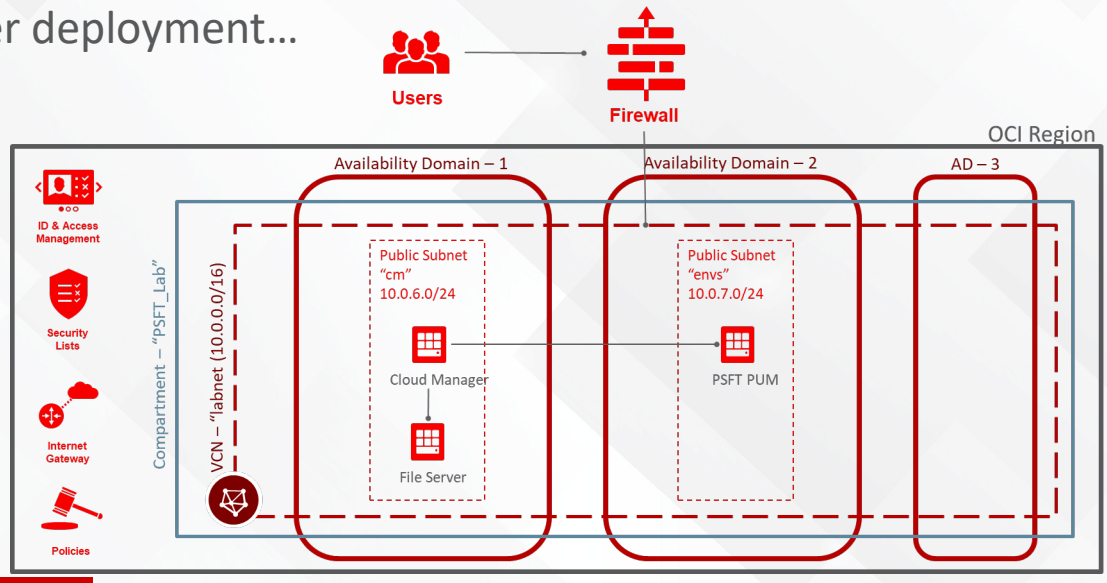
 38

38

After deployment…



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39

Summary

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40