DCA Suite Shared Demo Platform 2019.05

Hayden Brown
DCA Demo and Enablement

July 23, 2019

Version: 2

Agenda

- What is NEW in the DCA Suite 2019.05 Shared Demo Platform ←
- DCA Suite Shared Demo Platform Infrastructure ←
- What is on your Desktop? ←
- Using the Shared Demo Platform vCenter vSphere Client
- Preparing and using the DCA Suite Shared Demo Platform ←
  - Provisioning, Patch, and running Compliance with DCAX 2019.05 *and* SA 2018.08
  - DMA 10.61 Premium Flows for provisioning/patching Oracle, and provisioning JBOSS
  - DMA 10.61 Ultimate Deployments and what is available to you
- Questions ←

What is NEW with DCA Suite Shared Demo Platform?

TOC

What is new in the DCA Suite 2019.05 Shared Demo Platform

- Updated versions: **DCA Suite 2019.05 Premium and DMA 10.61 Ultimate**
- Simple to login and use
- Simulate a real data center
  - More resources and types of resources
- Utilizing DCA Suite 2019.05, and SA, DMA Ultimate, Puppet, VM vCenter
- Full vCenter access for target creation, snapshots, reverts and booting control.
- Full OS Provisioning with SA 2018.08 OSBP
- Added SA and DCAX support for provisioning, patching Windows 2016 and 2019
- Separate target servers for DCAX and SA
- NO DCAX RHEL Provisioning – replaced with SA OSBP provisioning
- DMA Premium OO Flows for Oracle and JBOSS provisioning

✓ Updated in the lab on July 23, 2019

Data Center Automation (DCAX) 2019.05

DCAX 2019.05 performs compliance, patching, and Red Hat OS provisioning**. DCAX can manage agentless, or agent based resources including Server Automation and Puppet managed nodes*.

In this Platform environment we will be using the UI to perform compliance audit and remediation of Windows, RHEL OS and ORACLE DB resources. We return to using SA for OS Provisioning using OSBP for Linux and Windows provisioning

Perform both static and dynamic patching of RHEL and Windows servers

* We can bring servers under Server Automation management and show DCAX Integration

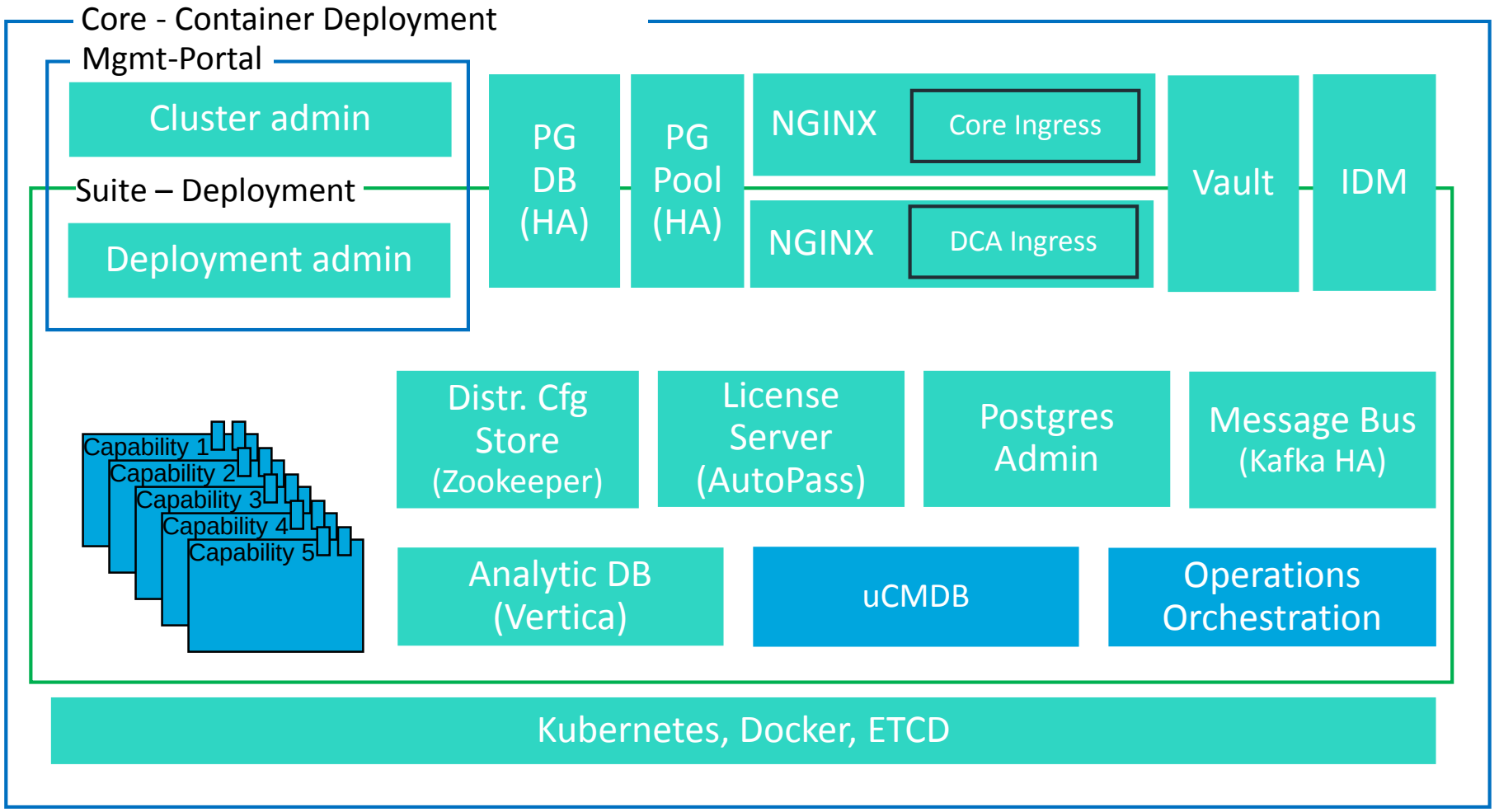
We have integrated Puppet Server and two Puppet nodes for compliance scanning only!

** We have disabled this feature since it only provided support for RHEL. We now focus on SA OS Provisioning using OSBP for Linux and Windows

DCA Suite Shared Demo Platform Infrastructure

TOC

Data Center Automation (DCAX) – Foundation



Integrations

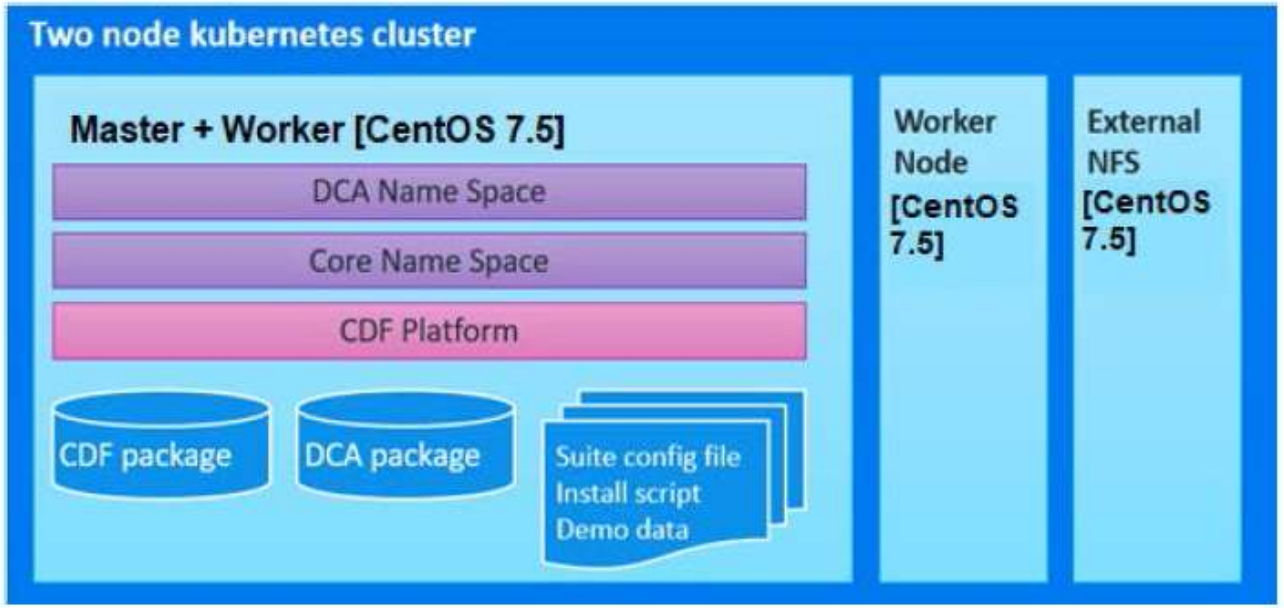
- Server Automaton (SA)
- Puppet

Optional External:

- Analytic DB (Vertica)
- Reporting (OBR)

Typical “Demo/POC” DCAX 2019.05 installation

VM	CPU	RAM	Disk space
Master + Worker	8 cores	32 GB	250 GB
Worker	8 cores	32 GB	150 GB
External NFS	8 cores	24 GB	150 GB



Platform infrastructure

- Full SA 2018.08 (Fully Micro Focus rebranded)
  - Patching RHEL 7, Windows 2012R2, 2016, 2019
  - OS Compliance – Full set from Marketplace
  - Software policies for Linux and Windows applications
  - OS provisioning: RHEL, SUSE, Ubuntu, CentOS, W2K12R2, W2K16, W2K19
- DMA 10.61 Ultimate
  - Oracle provision, DB create, patching, rollback for 11G and 12C
  - MS SQL provision, DB create, patching, rollback for 2008R2 and 2012
  - MySQL provision
  - JBOSS provision software
  - Apache
- DCAX 2019.05 Premium
  - Patching (Windows/RHEL), and Compliance (OS, Oracle and IIS)
- vCenter 5.5 for creating additional target VMs for your demo

DCA Suite Shared Demo Platform Configuration

Tasks which can be done in the DCA Suite 2019.05 Shared Demo Platform

- Provision through SA OSBP Windows and Linux servers (must first create/clone new vm in vCenter)
- Use the created RHEL resource group and add the RHEL Servers to the Group
  - Add PCI/CIS Policy and Maintenance Schedule
- Run Discovery on the RHEL Servers to discover the ORACLE DBs
- Run compliance on Windows, RHEL, CentOS, Oracle, and IIS Servers.
- Use the existing Policy for RHEL Patching (Spectre and Meltdown)
- Use the existing Patch Policy for RHEL Resource group and scan/remediate patches
- Scan and remediate for Meltdown and Spectre Benchmarks (Patching), and PCI Compliance

Optional use cases:

- Use DMA 10.61 Ultimate to provision/Patch Oracle 12C and Database, MS SQL, or provision JBOSS
- Use SA 2018.08 to manage Linux and Windows servers using SA features.
- Use SA 2018.08 to provision Linux and Windows Servers

DCA Suite 2019.05 Shared Platform

SA 2018.08 Ultimate
sa1060.dca.demo.local
172.16.239.20

Puppet Master
puppet-server.dca.demo.local
172.16.239.70

RHEL 7 Patch Repo
rh-repo.dca.demo.local
172.16.239.30

WSUS Server
wsus.dca.demo.local
172.16.239.31

HTTP Media Server
ms6.dca.demo.local
172.16.239.116

DMA Ultimate 10.61
dma.dca.demo.local
172.16.239.22

DNS – DHCP - AD
dns.demo.local
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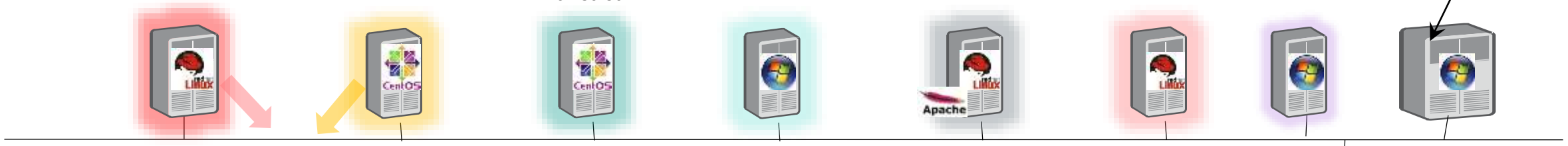
AccessVM
172.16.239.1



vCenter 6.0

Windows
2012 R2 64 Bit
vcenter-5-5
172.16.239.13

A

VMWARE ESXi
Virtual
16 GB RAM
172.16.239.3

253 GB

VMWARE ESXi
Virtual
16 GB RAM
172.16.239.4

253 GB

DCAX Version 2019.05

CentOS
7.3 64 Bit
dca-mast
172.16.239.32

CentOS
7.3 64 Bit
dca-wkr
172.16.239.33

CentOS
7.3 64 Bit
dca-nfs
172.16.239.34

LIVE

Servers under SA/DCA Suite CDF management

Agentless - Red Hat Servers	
demo1ms5	172.16.239.55 *
demo2ms5	172.16.239.65 *
demo3ms5	172.16.239.75 *
demo4ms5	172.16.239.85 *
demo1ms6	172.16.239.56
demo2ms6	172.16.239.66
demo3ms6	172.16.239.76
demo4ms6	172.16.239.86

* Oracle Database

Agentless -Windows Servers	
demo1ms4	172.16.239.54 ***
demo2ms4	172.16.239.64 ***
demo3ms4	172.16.239.74 ***
demo4ms4	172.16.239.84 ***
demo1ms3	172.16.239.55 **
demo2ms3	172.16.239.65 **
demo3ms3	172.16.239.75 **
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** MSSQL Installed

SA Managed – Linux Servers	
demo1sarh1	172.16.239.201
demo2sarh1	172.16.239.202
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SA Managed – Windows Servers	
demo1sawin1	172.16.239.206
demo2sawin1	172.16.239.207
demo3sawin1	172.16.239.208
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Puppet managed

Puppet CentOS Servers	
demo1puppet1	172.16.239.51
demo2puppet1	172.16.239.61
demo3puppet1	172.16.239.71
demo4puppet1	172.16.239.81
demo1puppet2	172.16.239.52
demo2puppet2	172.16.239.62
demo3puppet2	172.16.239.72
demo4puppet2	172.16.239.82

General Use CentOS Servers	
demoxgen1	172.16.239.121
demoxgen2	172.16.239.122
demoxgen3	172.16.239.123
demoxgen4	172.16.239.124

DCAX 2019.05 Demo Appliance

CentOS
7.3 64 Bit
demo-mast
172.16.239.40

CentOS
7.3 64 Bit
demo-wkr
172.16.239.41

CentOS
7.3 64 Bit
demo-nfs
172.16.239.42

DEMO

Domain: **dca.demo.local** Gateway: **172.16.239.1** Proxy: **proxy.eswdc.net:8088 (156.152.46.12)**

MICRO FOCUS

Look but Don't Touch vs Touch Everything!

Backend – Private vCenter – FE Team Managed

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DEMO

Demo User Access and Managed

MICRO FOCUS

Resources for demo1user – What you can use

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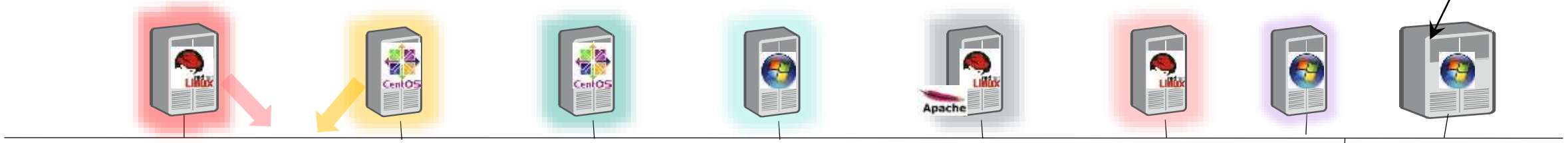

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General Use CentOS Servers	
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demoxgen2	172.16.239.122
demoxgen3	172.16.239.123
demoxgen4	172.16.239.124

* demoX**ms5** has Oracle DB

** demoX**ms3** has MS SQL DB

*** demoX**ms4** has IIS installed

Domain: **dca.demo.local** Gateway: **172.16.239.1** Proxy: **proxy.eswdc.net:8088 (156.152.46.12)**

Resources for demo2user – What you can use

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HTTP Media Server
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DMA Ultimate 10.61
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DNS – DHCP - AD
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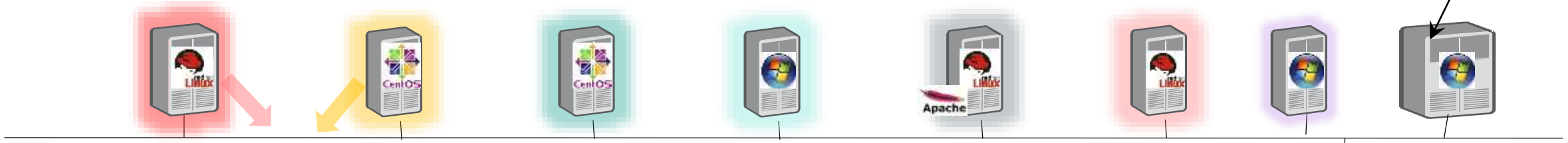
172.16.239.9

AccessVM
172.16.239.1



vCenter 6.0

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VMWARE ESXi
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DCAX Version 2019.05

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dca-mast
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CentOS
7.3 64 Bit
dca-wkr
172.16.239.33

CentOS
7.3 64 Bit
dca-nfs
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LIVE

Servers under SA/DCA Suite CDF management

Agentless - Red Hat Servers	
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* Oracle Database

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SA Managed – Windows Servers	
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General Use CentOS Servers	
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* demoX**ms5** has Oracle DB

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*** demoX**ms4** has IIS installed

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Resources for demo3user – What you can use

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DNS – DHCP - AD
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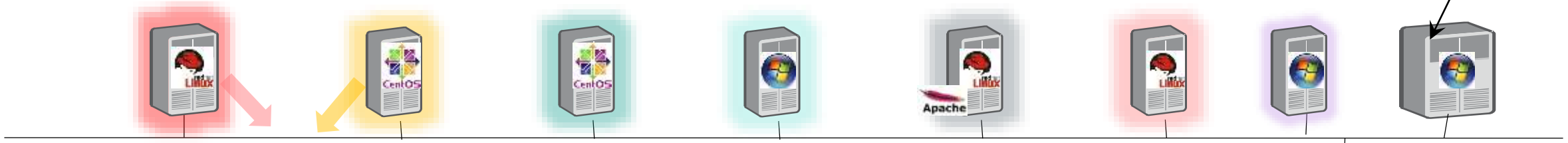

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DCAX Version 2019.05

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LIVE

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** MSSQL Installed

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* demoX**ms5** has Oracle DB

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*** demoX**ms4** has IIS installed

Domain: **dca.demo.local** Gateway: **172.16.239.1** Proxy: **proxy.eswdc.net:8088 (156.152.46.12)**

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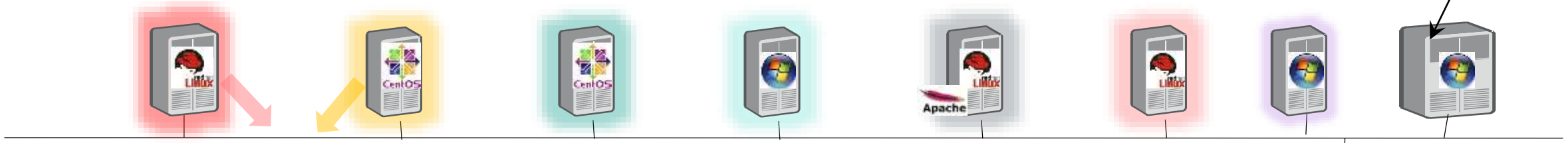

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7.3 64 Bit
dca-mast
172.16.239.32

CentOS
7.3 64 Bit
dca-wkr
172.16.239.33

CentOS
7.3 64 Bit
dca-nfs
172.16.239.34

LIVE

Servers under SA/DCA Suite CDF management

Agentless - Red Hat Servers	
demo1ms5	172.16.239.55 *
demo2ms5	172.16.239.65 *
demo3ms5	172.16.239.75 *
demo4ms5	172.16.239.85 *
demo1ms6	172.16.239.56
demo2ms6	172.16.239.66
demo3ms6	172.16.239.76
demo4ms6	172.16.239.86

* Oracle Database

Agentless -Windows Servers	
demo1ms4	172.16.239.54 ***
demo2ms4	172.16.239.64 ***
demo3ms4	172.16.239.74 ***
demo4ms4	172.16.239.84 ***
demo1ms3	172.16.239.55 **
demo2ms3	172.16.239.65 **
demo3ms3	172.16.239.75 **
demo4ms3	172.16.239.85 **

** MSSQL Installed

SA Managed – Linux Servers	
demo1sarh1	172.16.239.201
demo2sarh1	172.16.239.202
demo3sarh1	172.16.239.203
demo4sarh1	172.16.239.205

SA Managed – Windows Servers	
demo1sawin1	172.16.239.206
demo2sawin1	172.16.239.207
demo3sawin1	172.16.239.208
demo4sawin1	172.16.239.209

Puppet managed

Puppet CentOS Servers	
demo1puppet1	172.16.239.51
demo2puppet1	172.16.239.61
demo3puppet1	172.16.239.71
demo4puppet1	172.16.239.81
demo1puppet2	172.16.239.52
demo2puppet2	172.16.239.62
demo3puppet2	172.16.239.72
demo4puppet2	172.16.239.82

General Use CentOS Servers	
demoxgen1	172.16.239.121
demoxgen2	172.16.239.122
demoxgen3	172.16.239.123
demoxgen4	172.16.239.124

* demoX**ms5** has Oracle DB

** demoX**ms3** has MS SQL DB

*** demoX**ms4** has IIS installed

Domain: **dca.demo.local** Gateway: **172.16.239.1** Proxy: **proxy.eswdc.net:8088 (156.152.46.12)**

Platform Resources (Shared by all users)

Hostname	IP	OS	Network	CPU	Memory	Disk	Power
dca-clientapps01	172.16.239.10	MS W2K8 64 Bit	DCA_Privnet1	4	24 GB	40 GB	On
dns	172.16.239.9	MS W2K12R2 64 Bit	DCA_Privnet1	1	4 GB	40 GB (thin)	On
sa1060 (2018.08)	172.16.239.20	Red Hat EL 7.3 64 Bit	DCA_Privnet1	8	24 GB	600 GB (thin)	On
dma	172.16.239.22	Red Hat EL 7.3 64 Bit	DCA_Privnet1	8	16 GB	40 GB (thin)	On
rh-repo	172.16.239.30	CentOS 7 64 Bit	DCA_Privnet1	4	8 GB	100 GB (thin)	On
wsus	172.16.239.31	MS W2K12R2 64 Bit	DCA_Privnet1	4	8 GB	40 GB (thin)	On
puppet-server	172.16.239.70	CentOS 7 64 Bit	DCA_Privnet1	4	6 GB	40 GB (thin)	On
ms1	172.16.239.111	MS W2K8 R2 64 Bit	DCA_Privnet1	4	6 GB	40 GB (thin)	On
ms5	172.16.239.115	RedHat ES 6.4 64 Bit	DCA_Privnet1	8	6 GB	40 GB (thin)	On
MSDB5	172.16.239.115	Oracle 11.2.4 Database	This is installed on the Base 4 Snapshot, SA Agent				
ms6	172.16.239.116	RedHat ES 6.4 64 Bit	DCA_Privnet1	8	6 GB	40 GB (thin)	On

Domain: **dca.demo.local** Gateway: **172.16.239.1** Proxy: **proxy.eswdc.net:8088 (156.152.46.12)**

Platform Resources – DCA Suite installations (Shared by all users)

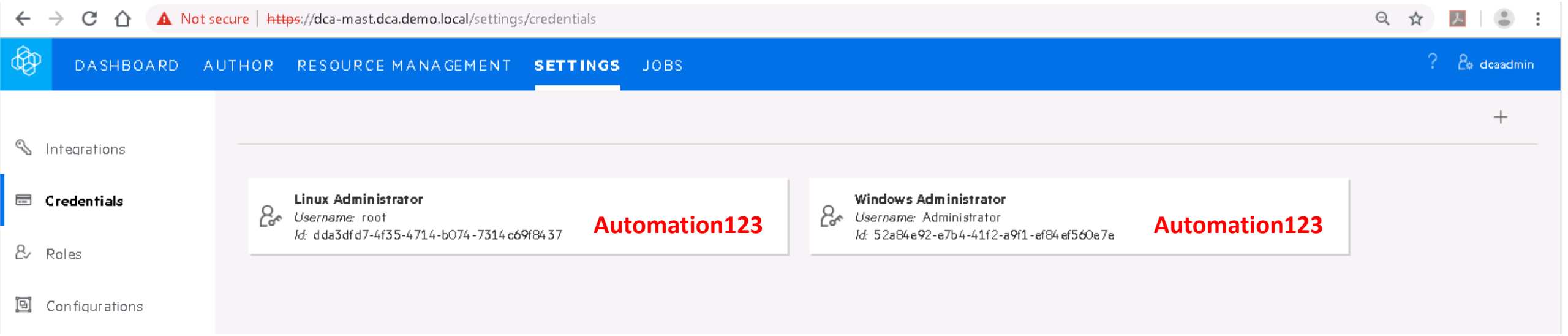
Hostname	IP	OS	Network	CPU	Memory	Disk	Power
This is the DCAX 2019.05 Premium install – This is a live environment for performing ALL DCA Suite features on target servers							
dca-mast – CDF Master/Worker	172.16.239.32	CentOS 7.3 64 Bit	DCA_Privnet1	8	32 GB	200 GB (thin)	On
dca-wkr – CDF Worker	172.16.239.33	CentOS 7.3 64 Bit	DCA_Privnet1	8	32 GB	200 GB (thin)	On
dca-nfs – NFS Server	172.16.239.34	CentOS 7.3 64 Bit	DCA_Privnet1	8	24 GB	200 GB (thin)	On
vcenter-6.0	172.16.239.13	MS W2K12 R2 64 Bit	DCA_Privnet1	2	8 GB	50 GB (thin)	On
This is the DCAX 2019.05 Demo Appliance It is used for looking at the demo data only! You cannot do any scans, or remediation with this environment. Demo Only!							
demo-mast – CDF Master/Worker	172.16.239.40	CentOS 7.3 64 Bit	DCA_Privnet1	8	32 GB	200 GB (thin)	On
demo-wkr – CDF Worker	172.16.239.41	CentOS 7.3 64 Bit	DCA_Privnet1	8	32 GB	200 GB (thin)	On
demo-nfs – NFS Server	172.16.239.42	CentOS 7.3 64 Bit	DCA_Privnet1	8	24 GB	200 GB (thin)	On

Passwords inside the Environment

Account Type	User	Password	Permissions
demoXmsX, dca-XXX, demoxpuppetx, demoxgenX	root/administrator	Automation123	Server Admin
sa1060, dns, rh-repo, wsus, dma, ms6, puppet-server	root/administrator	Automation123	Server Admin
SA 2018.08 (10.70) – SA User	admin administrator1 demo1user/demo2user/demo3user/demo4user	Automation123	SA Admin account Super Admin/Superuser Superusers (All permissions)
Puppet Master – Admin account	admin	Automation.123	Full Puppet Administration
DMA 10.61 user	connector administrator1 demo1user/demo2user/demo3user/demo4user dmaadmin/dmaworkflow/dmarunner	Automation123	DMA-SA Connector Account Superuser and DMA Admin DMA Users
dns – dns administrator	administrator	Automation123	Administrator Modify services
DCAX 2019.05 (Live Environment)	DCAX UI – dcaadmin/demo1user/ demo2user/demo3user/demo4user DCAX OO Central – oo_admin DCAX IDM – admin DCAX UCMDB – admin (use IE)	Automation.123	Access to DCAX
DCAX 2018.11 – Demo Appliance (demo data)	DCAX UI – dcaadmin DCAX IDM – admin	123.Automation	Access to DCAX Demo Content

DCAX 2019.05 Target credentials

We have changed the target passwords in DCAX to be **Automation123** You should use this password for all created target servers.



General Use – CentOS Servers

- There are Four general use CentOS servers which can be used by **ALL Demo Users**.
- They are noted by the hostnames: **demoxgenX**
- The can be used for Compliance Scans.
- DO NOT REMOVE these servers from DCA.
- DO NOT Remediate these servers.
- Remember several Demo Users could be accessing them.
- They are there just to provide more targets within your demo story.

General Use CentOS Servers	
demoxgen1	172.16.239.121
demoxgen2	172.16.239.122
demoxgen3	172.16.239.123
demoxgen4	172.16.239.124

Note: We will not revert these vms unless they are having "*technical difficulties*"

Your SA 2018.08

Only use the **demoXsaXXX1** vms for SA management. Bring them under SA management by installing an SA Agent.

DO NOT USE the demoXmsX vms! They are for DCA Agentless management only!

SA Managed – Linux Servers	
demo1sarh1	172.16.239.201
demo2sarh1	172.16.239.202
demo3sarh1	172.16.239.203
demo4sarh1	172.16.239.205

SA Managed – Windows Servers	
demo1sawin1	172.16.239.206
demo2sawin1	172.16.239.207
demo3sawin1	172.16.239.208
demo4sawin1	172.16.239.209

Note: We will not revert SA, unless it is having "*technical difficulties*"

Using Your SA Managed Resources

Only certain tasks are supported in the DCA Shared Demo Platform in using the SA Managed Resources. They are as follows:

SA Managed – Linux Servers	
demo1sarh1	172.16.239.201
demo2sarh1	172.16.239.202
demo3sarh1	172.16.239.203
demo4sarh1	172.16.239.205

SA Managed – Windows Servers	
demo1sawin1	172.16.239.206
demo2sawin1	172.16.239.207
demo3sawin1	172.16.239.208
demo4sawin1	172.16.239.209

	Linux Servers	**Windows Servers**
From DCAX UI:	Compliance Scan/Remediation	Compliance Scan and Remediation
	Patch Scan and Remediation	*None – Patching managed by SA*
OO Central UI:	Run DMA OO Flows	*Run DMA OO Flows – Not Recommended!*
	(Oracle – Provision/Patch, JBOSS)	*(MS SQL = 2 hours!)*
DMA Ultimate UI:	Oracle provision and patching	MS SQL Provision = 10 minutes!
	JBOSS provision	

What is on your Desktop?

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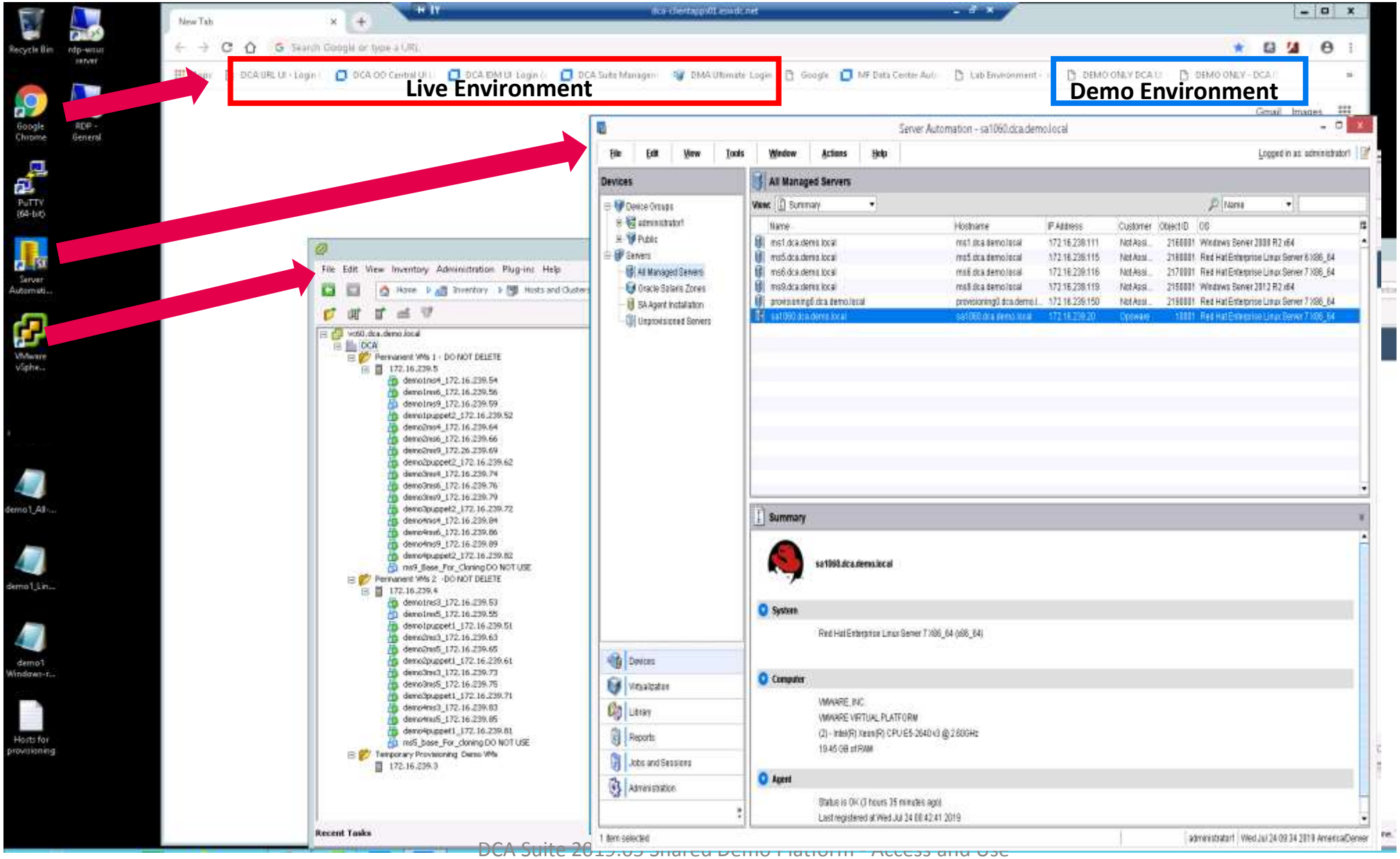
What is on the Desktop

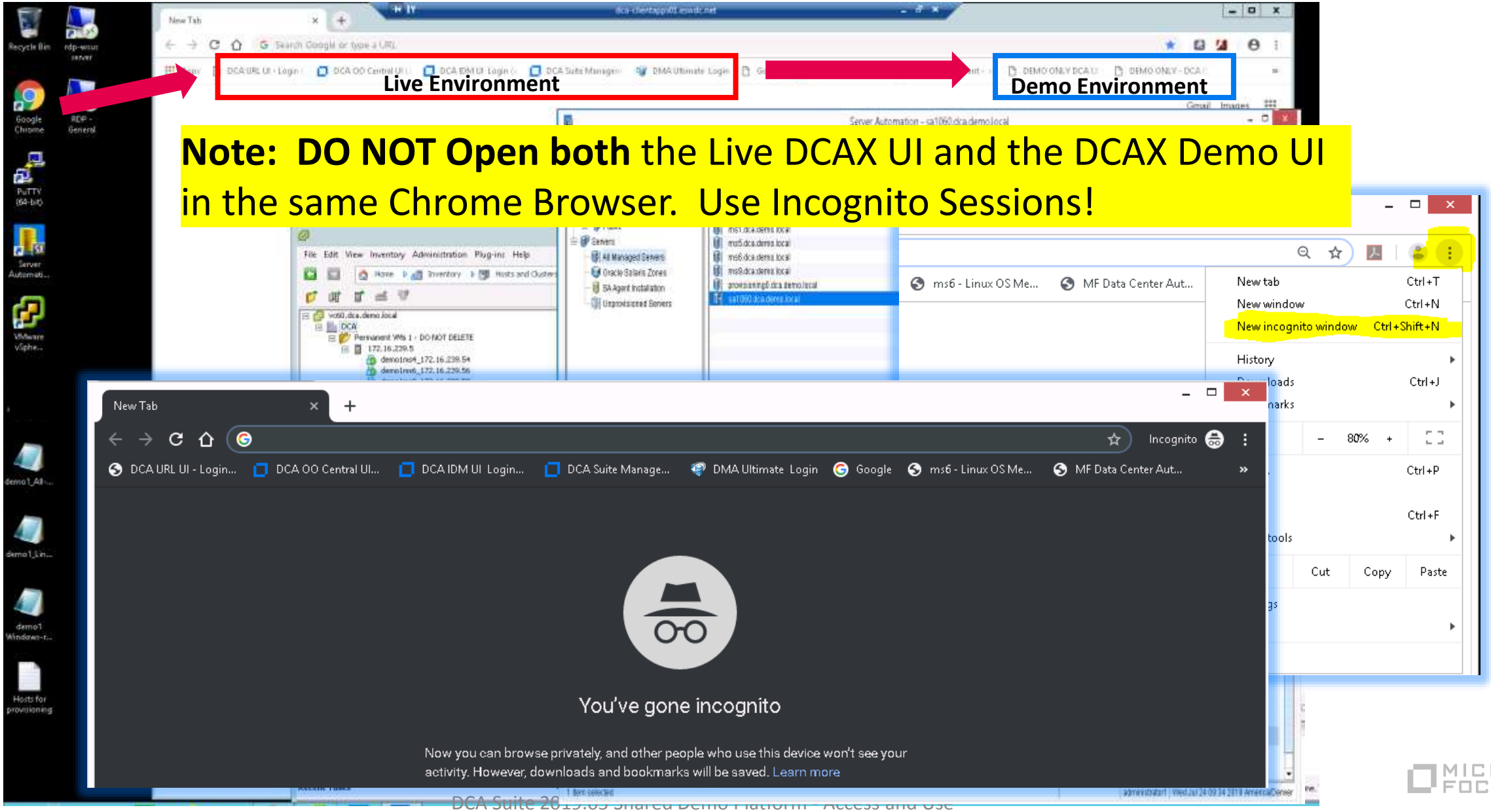


Chrome bookmarks for automatic page loading of most common URLs

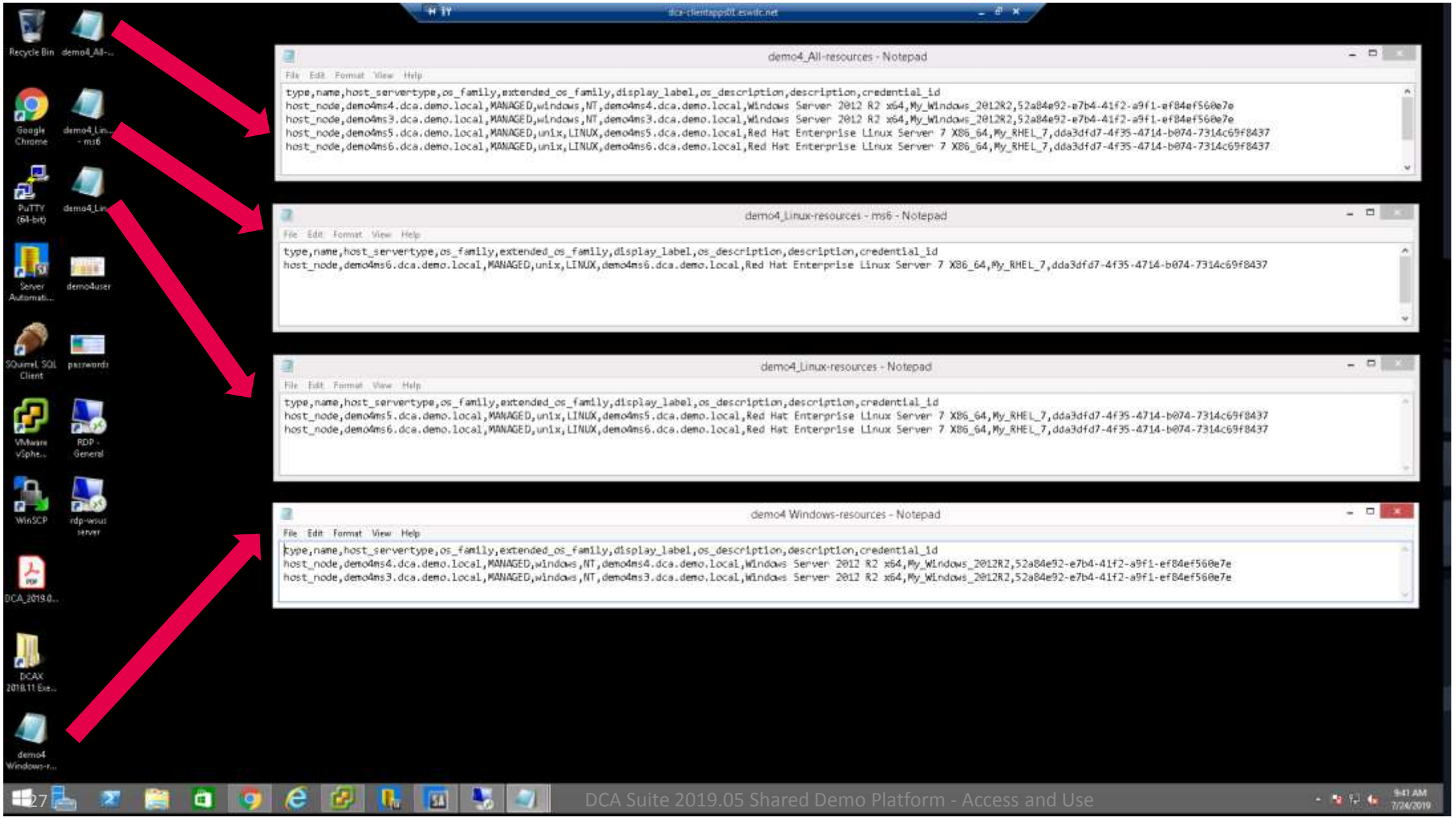
Server Automation Client

vSphere Client to manage your target vms and create new ones

What is on the Desktop



What is on the Desktop (2)

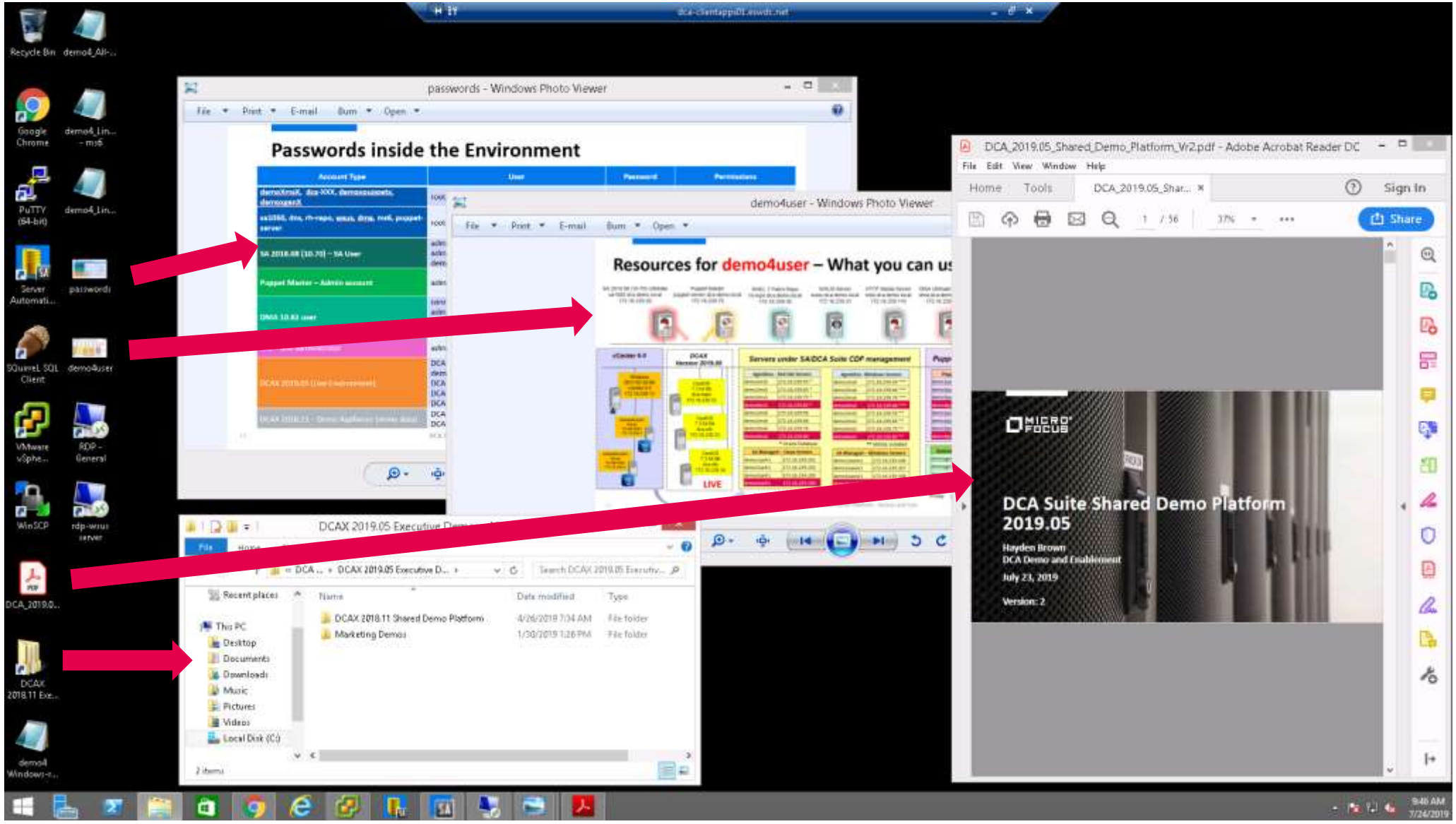


CSV File for ALL Servers

CSV File for Linux Servers

CSV File for Windows Servers

What is on the Desktop (3)



Passwords in the environment

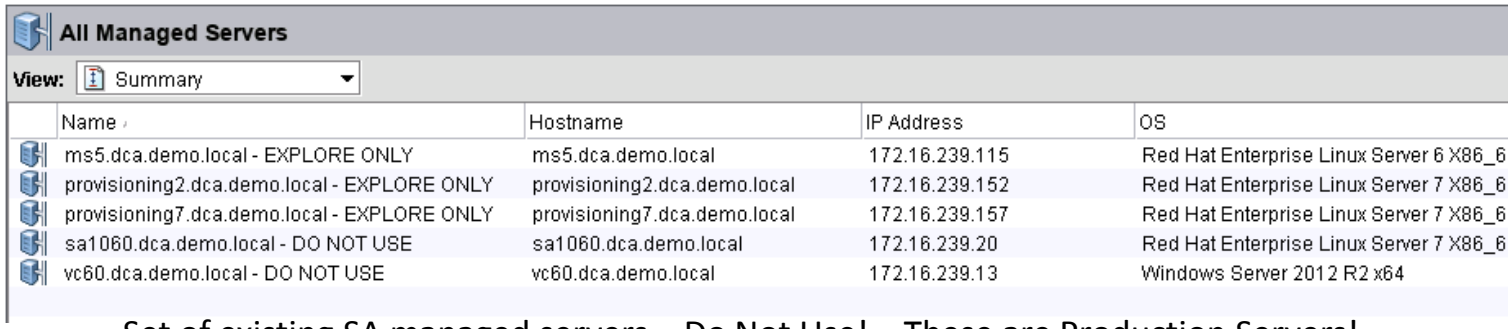
Resources which the demoXuser can access

DCA Shared Demo Platform Enablement guide

Shortcut to the Use Case Executive Demos

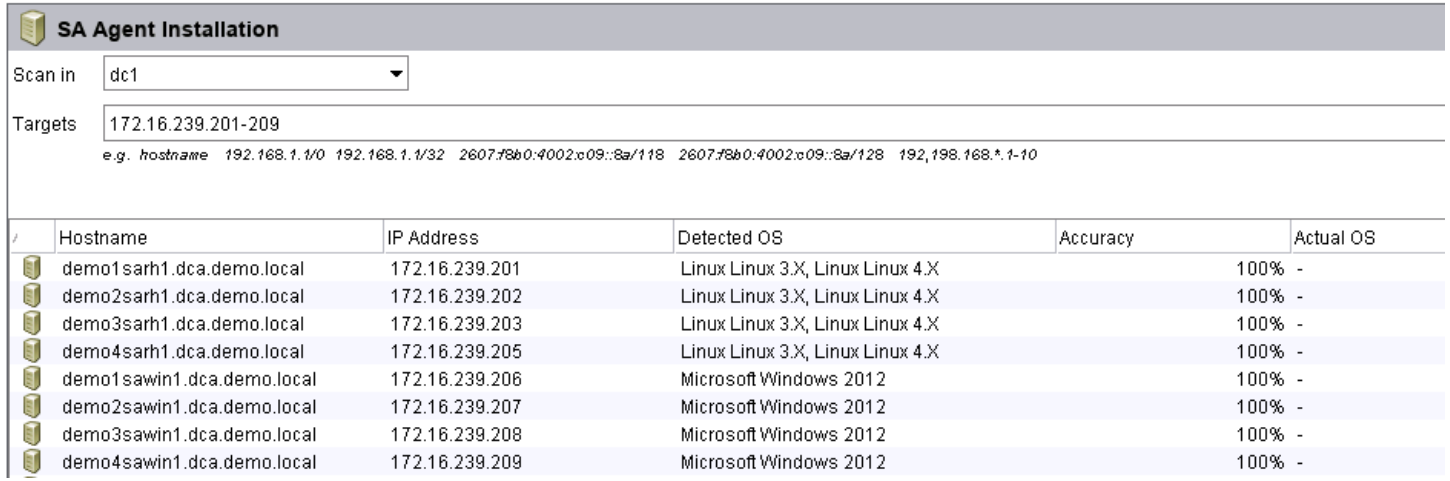
Server Automation 2018.08

- Only bring the **demoXsaXXX1** Pre-installed vms under SA Management (Install SA Agent).
- All other pre-installed vms should be imported “Agentless” (CSV file) into DCAX!
- If you need *additional* SA Managed servers then create them under SA.
  - Create/Clone blank vm via vSphere Client
  - Boot vm and install OS using SA Client
  - Use the OSBP which has “**Patching by SA**”
- Note: We have disable DCAX (RHEL) provisioning. We are focused on SA OSBP provisioning. Also, DCAX 2019.05 does not support the SA integrated OS provisioning as in previous DCA Suite releases.



Name	Hostname	IP Address	OS
ms5.dca.demo.local - EXPLORE ONLY	ms5.dca.demo.local	172.16.239.115	Red Hat Enterprise Linux Server 6 X86_6
provisioning2.dca.demo.local - EXPLORE ONLY	provisioning2.dca.demo.local	172.16.239.152	Red Hat Enterprise Linux Server 7 X86_6
provisioning7.dca.demo.local - EXPLORE ONLY	provisioning7.dca.demo.local	172.16.239.157	Red Hat Enterprise Linux Server 7 X86_6
sa1060.dca.demo.local - DO NOT USE	sa1060.dca.demo.local	172.16.239.20	Red Hat Enterprise Linux Server 7 X86_6
vc60.dca.demo.local - DO NOT USE	vc60.dca.demo.local	172.16.239.13	Windows Server 2012 R2 x64

Set of existing SA managed servers – Do Not Use! – These are Production Servers!



Hostname	IP Address	Detected OS	Accuracy	Actual OS
demo1sarh1.dca.demo.local	172.16.239.201	Linux Linux 3.X, Linux Linux 4.X	100%	-
demo2sarh1.dca.demo.local	172.16.239.202	Linux Linux 3.X, Linux Linux 4.X	100%	-
demo3sarh1.dca.demo.local	172.16.239.203	Linux Linux 3.X, Linux Linux 4.X	100%	-
demo4sarh1.dca.demo.local	172.16.239.205	Linux Linux 3.X, Linux Linux 4.X	100%	-
demo1sawin1.dca.demo.local	172.16.239.206	Microsoft Windows 2012	100%	-
demo2sawin1.dca.demo.local	172.16.239.207	Microsoft Windows 2012	100%	-
demo3sawin1.dca.demo.local	172.16.239.208	Microsoft Windows 2012	100%	-
demo4sawin1.dca.demo.local	172.16.239.209	Microsoft Windows 2012	100%	-

Set of preinstalled RHEL 7.3 and W2K12R2 servers for bringing under SA management

Login to Shared vCenter vSphere Client

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Careful working in the vSphere Client!

- You have been given permission to access the DCA Suite Shared Demo vCenter vSphere Client
- Remember what you do in the vCenter could have repercussions on others using the DCA Suite Shared Demo Platform.
- Please DO NOT delete, modify, or stop any of the “Shared” resources.
- Only make changes to YOUR vms!
- Please DO NOT ABUSE YOUR PRIVILEDGE!
- If people will not play fair in the vCenter we will remove this feature!

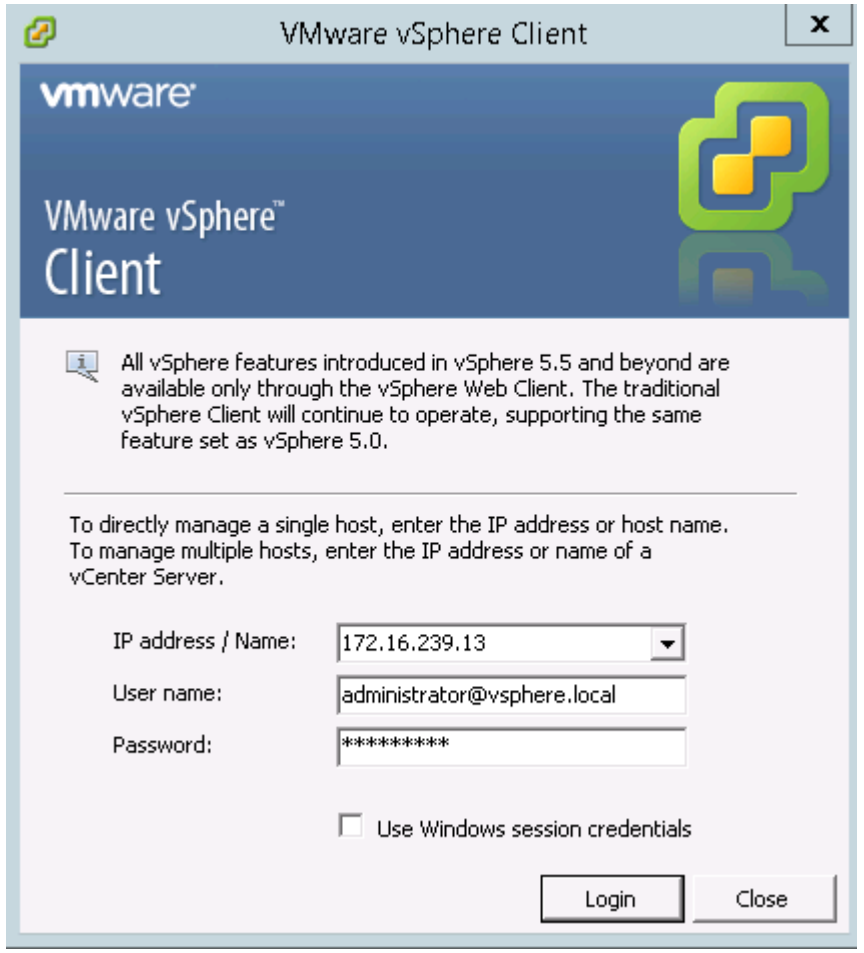
Login to the Shared vCenter vSphere Client

From the Accessvm Session open the **VMware vSphere Client** to:

172.16.239.13 (vc60.dca.demo.local)

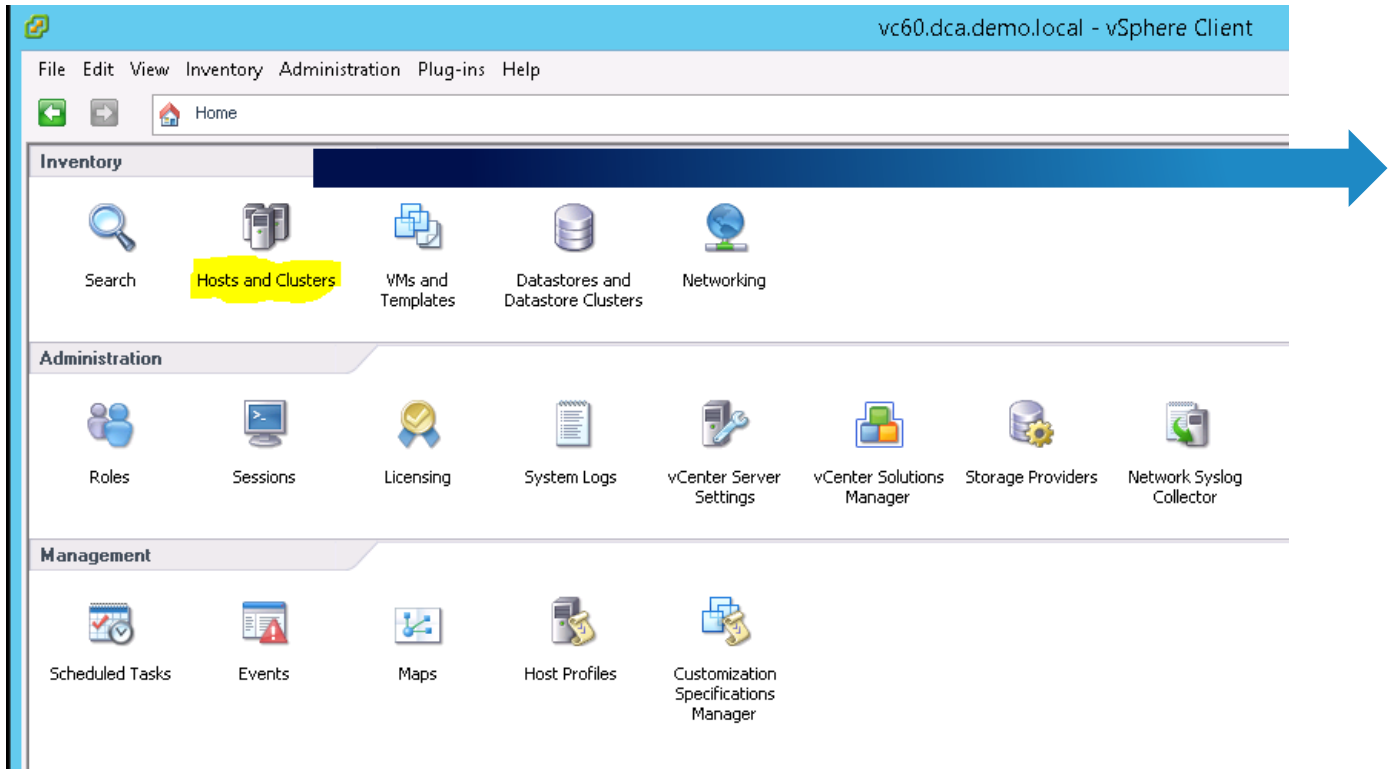
Note: This link can be found on your desktop!

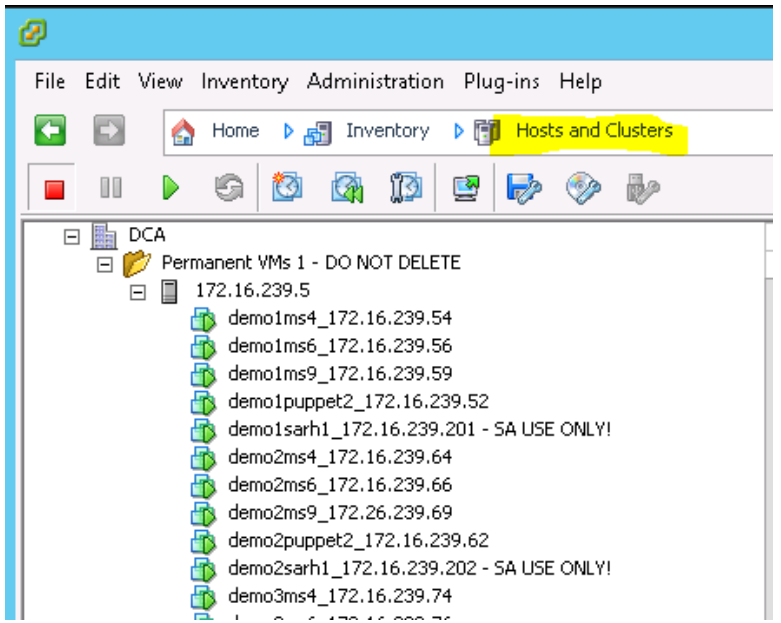
Login: **administrator@vsphere.local**
Password: **Admin@123**



Access VMs in vCenter vSphere Client

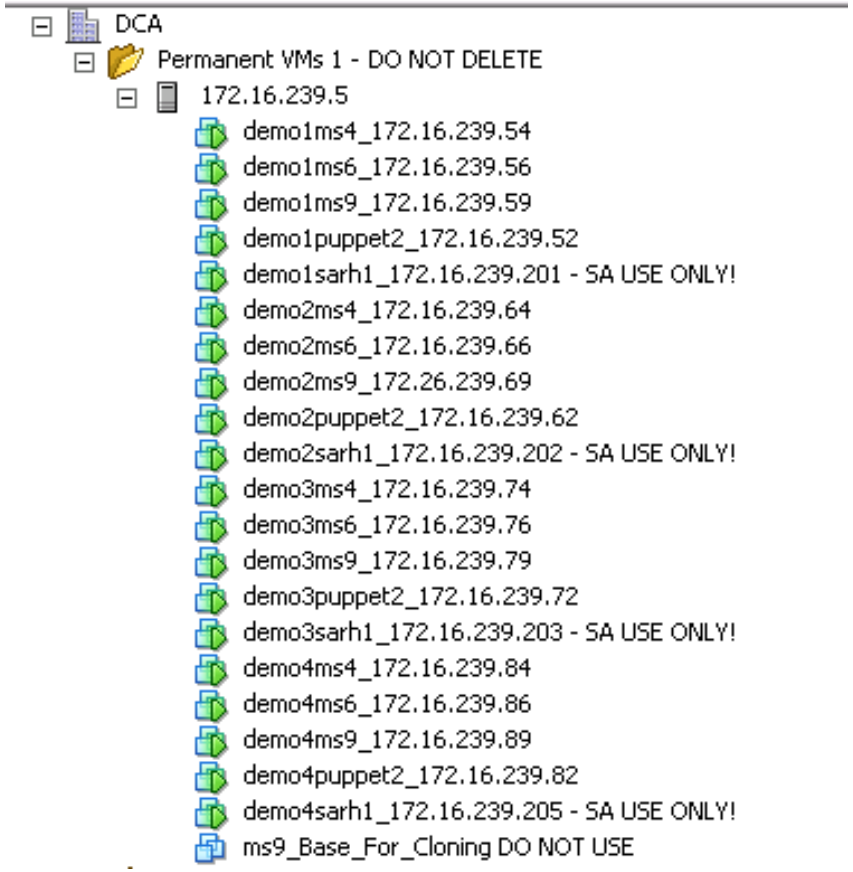
Click on ***Hosts and Clusters*** to access shared VMS and manage their state.

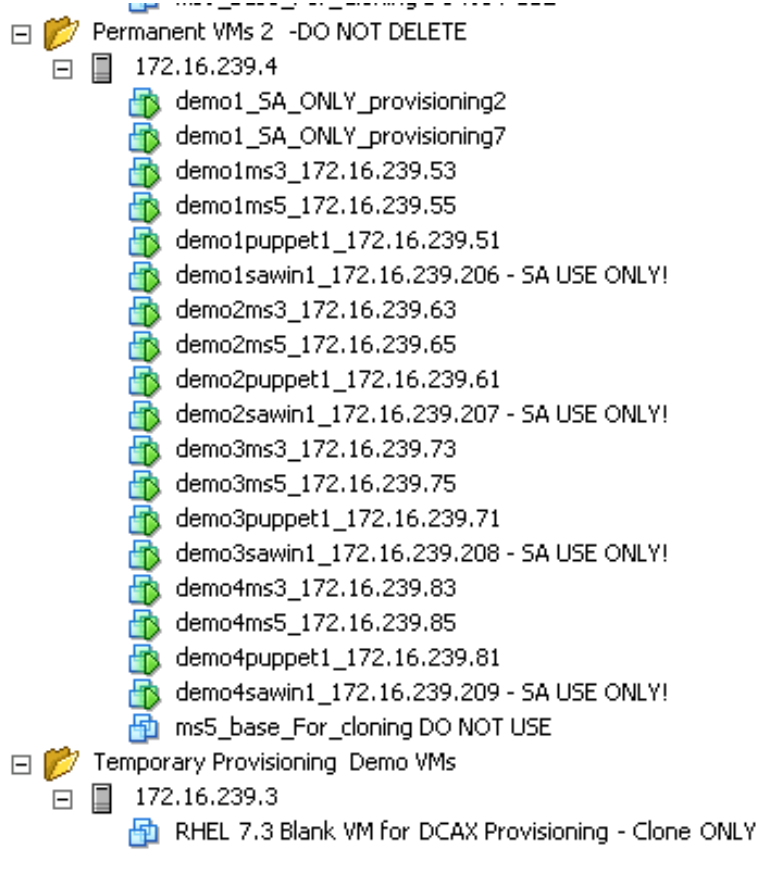




What you will find on the vCenter

These are the default VMs created for use by all DCAX demo users



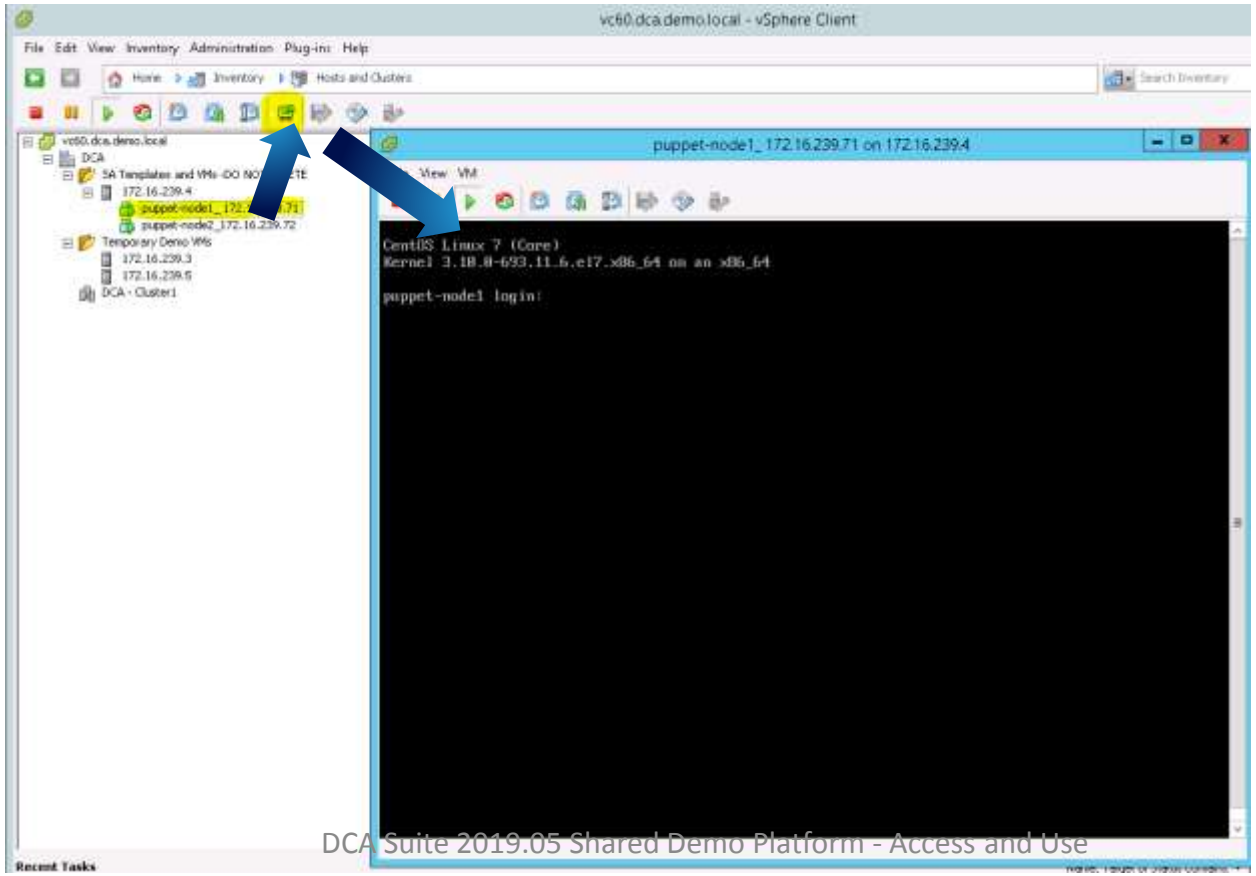


NOTE: Only use VMs assigned to your demoX user account!

View a VM's Console

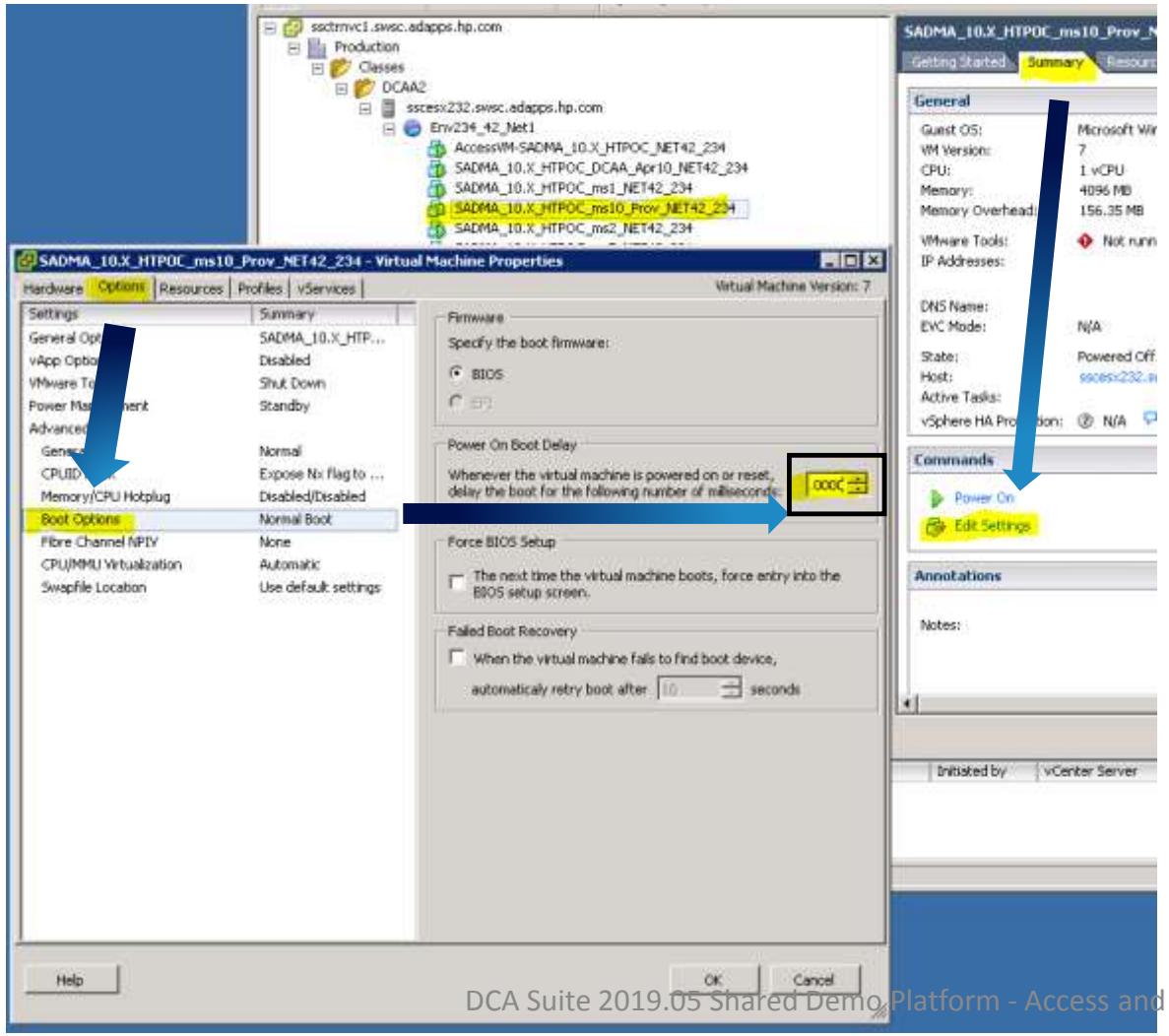
Single Click a VM. Single Click the **Console Icon**. Expand console to **Fit Window to Guest**.
Single click in Console to access.

- To login to Windows server send a **Ctrl-Alt-Del**
- To temporarily exit and Console and return back to the accessvm hit **Ctrl-Alt**



Change VM's Boot Delay Options (optional)

To adjust the boot delay for a vm open the **Summary**, **Edit Settings**, go to **Options** and **Boot Options**. Turn delay to **10,000 ms**



This will be useful when you start to boot vms for OS Provisioning. Allows you time to select correct Build Agent.

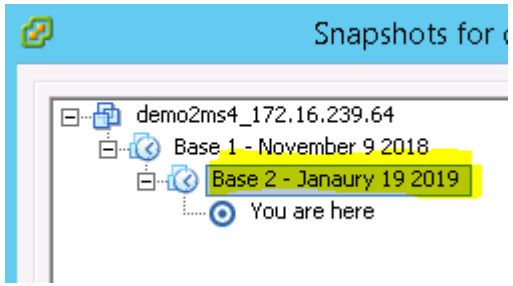
Note: It will be reset to default value if you revert the vm. You will need to change again!

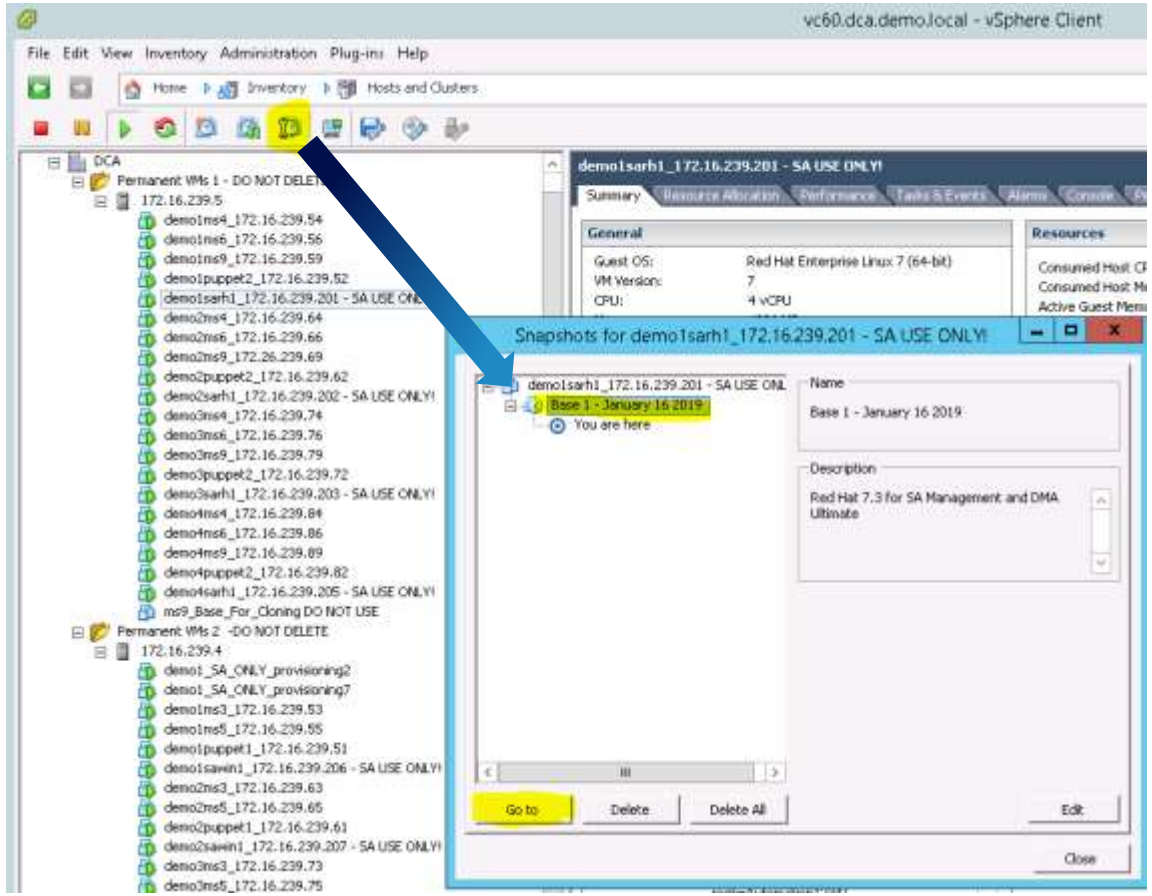
Revert a VM back to start of class

Single Click a VM. Single Click the **Snapshot Manager** icon. Single click the first snapshot saved. Click **Go to**

- Power on the VM once the snapshot has been reverted

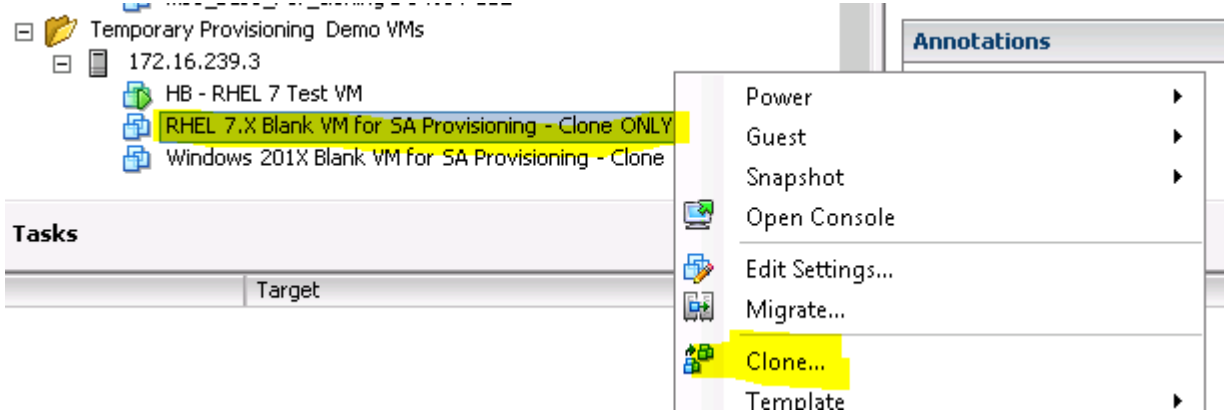
Note: Always **REVERT** to the Last **Base X**, or most current. The older snaps are for development only and could create problems for your demos.

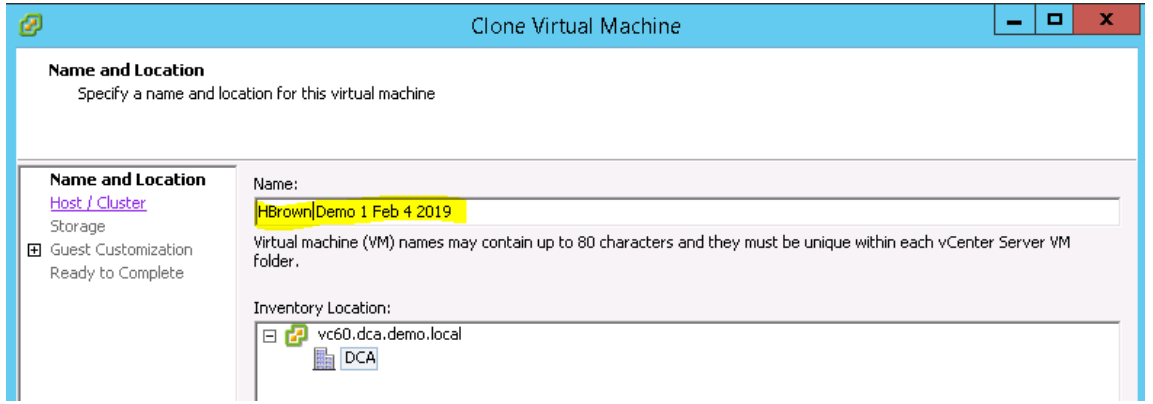




Cloning VMs for provisioning (1)

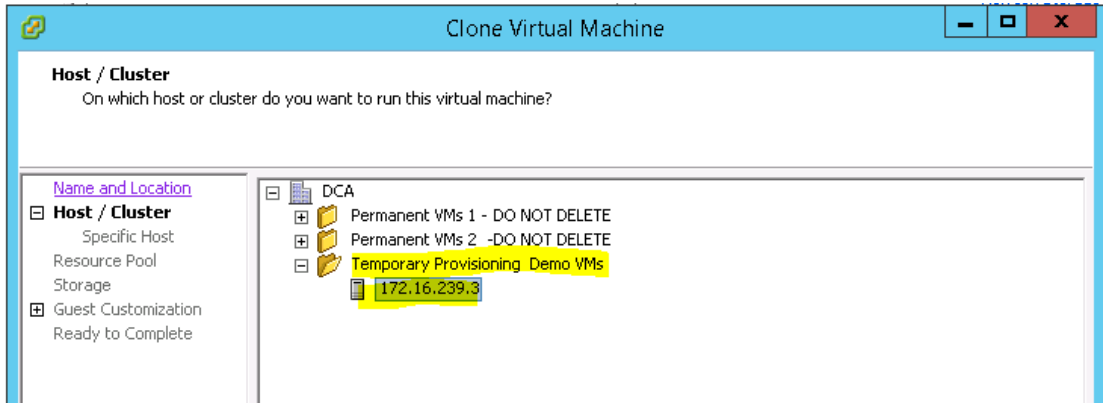
Note: This is the fastest way to get a vm ready for provisioning

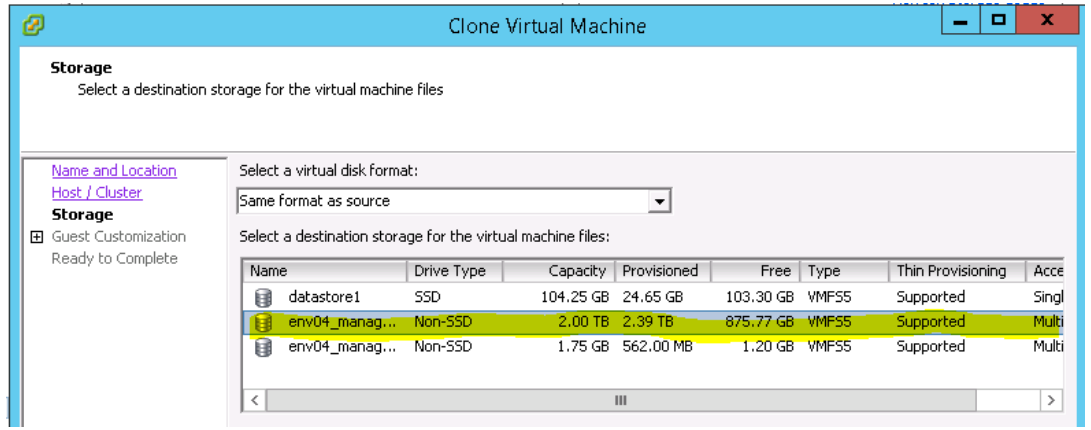




- Clone the **RHEL 7.3 Blank VM for DCAX Provisioning**

- Always provide your **First Initial and Last Name** in the naming of your vms – helps us in cleanup later



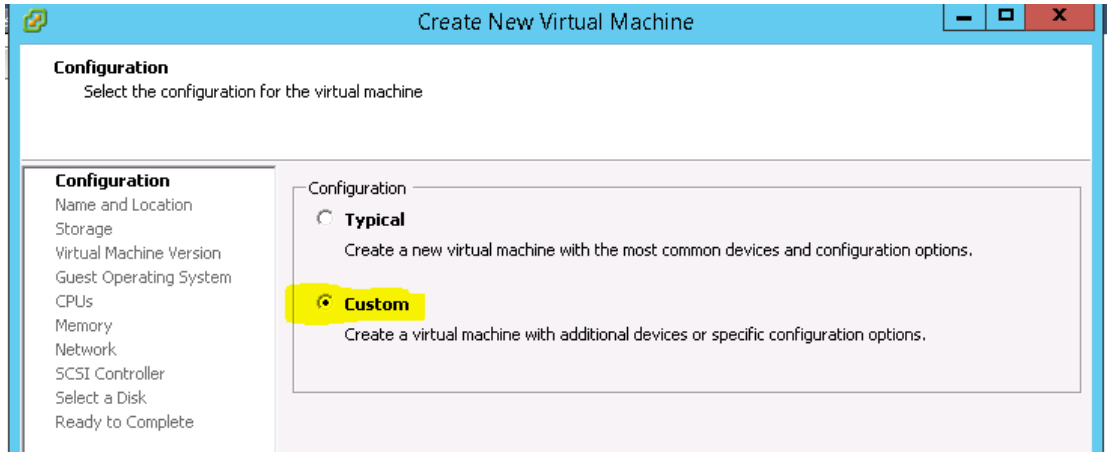


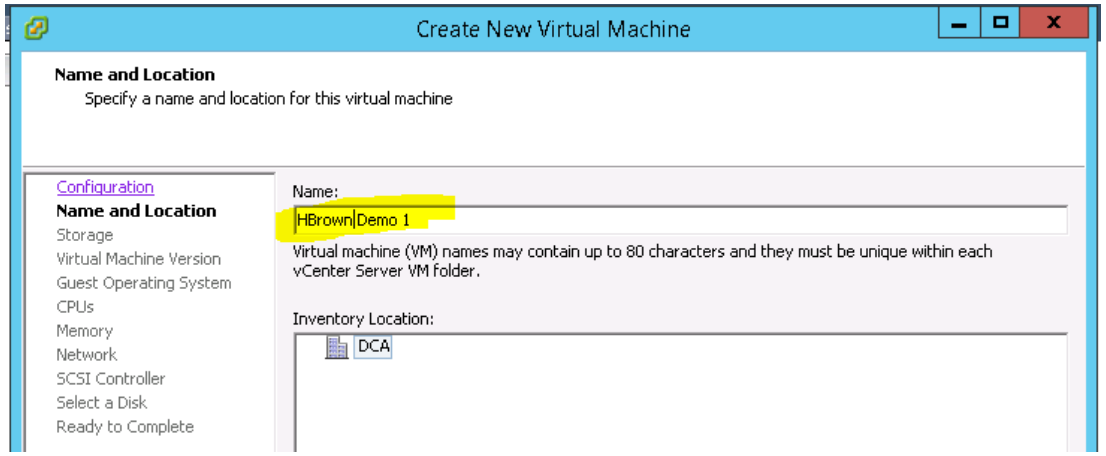
- Always create **vm** on the “Temporary” blade – 172.16.239.3

- Always pick the largest free storage

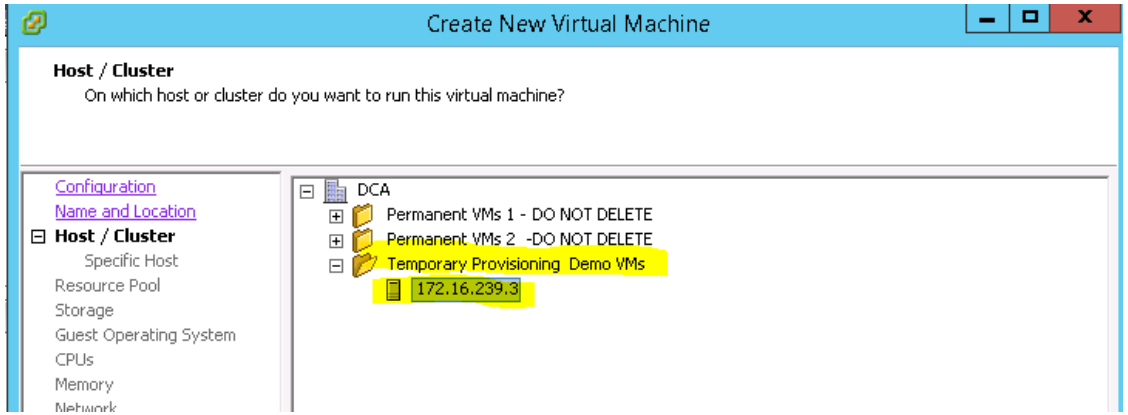
Optional: Creating VMs for provisioning (2)

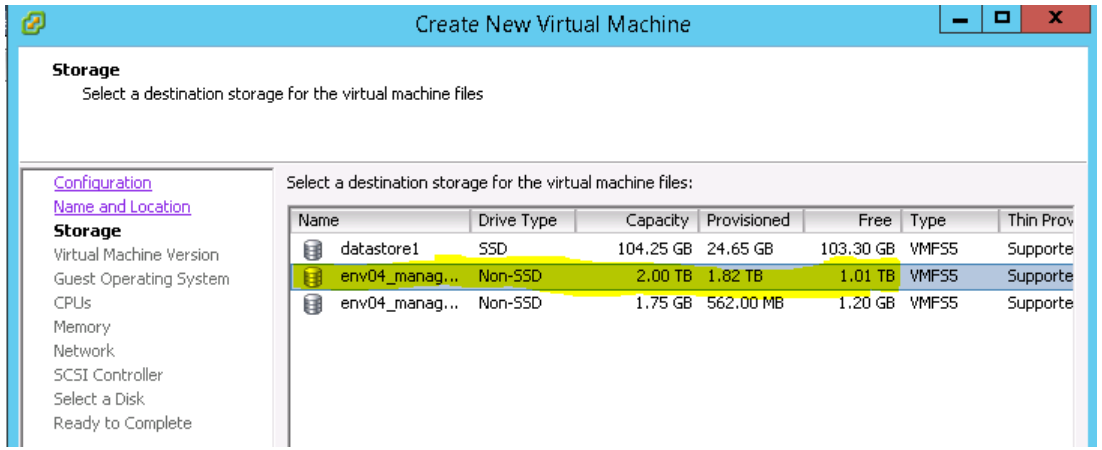
Note: Use defaults unless noted in these two slides!





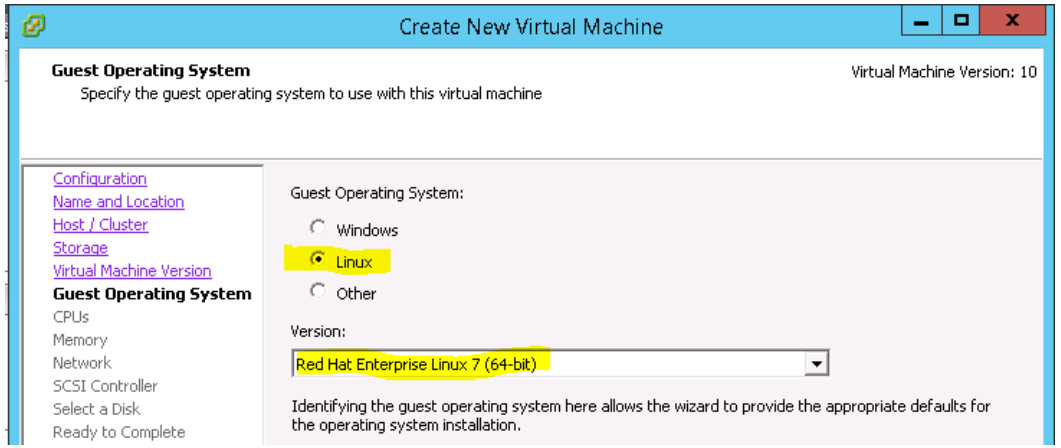
- Always create the vm using the “Custom” Wizard
- Always provide your **First Initial and Last Name** in the naming of your vms – helps us in cleanup later



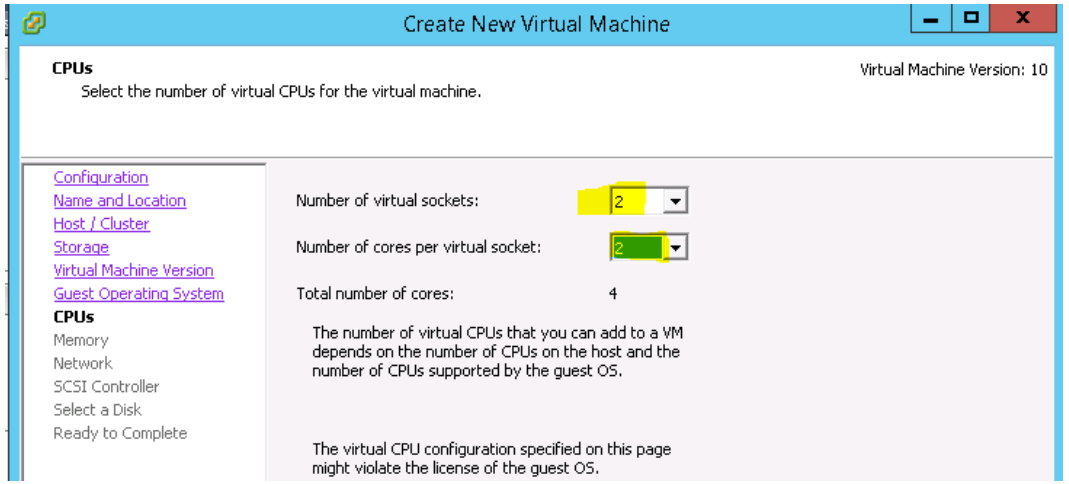


- Always create vm on the “Temporary” blade – 172.16.239.3
- Always pick the largest free storage

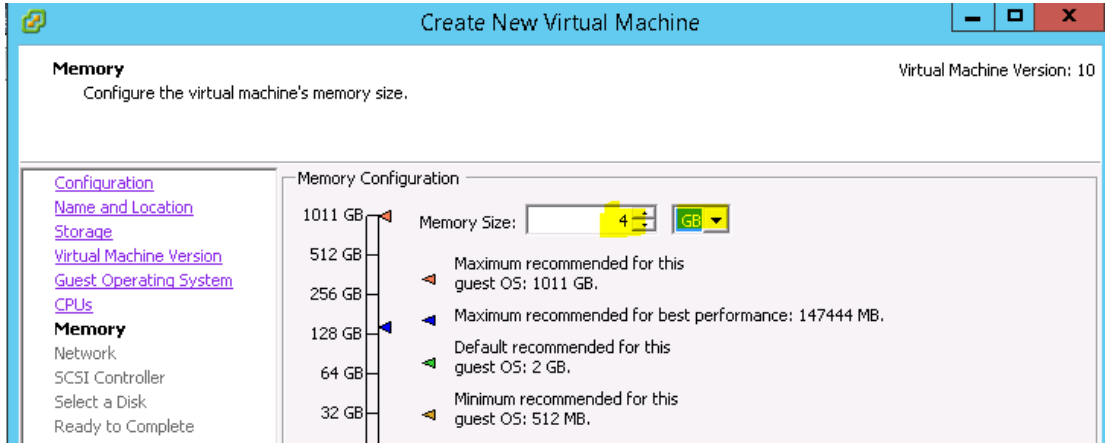
Optional: Creating VMs for provisioning (3)



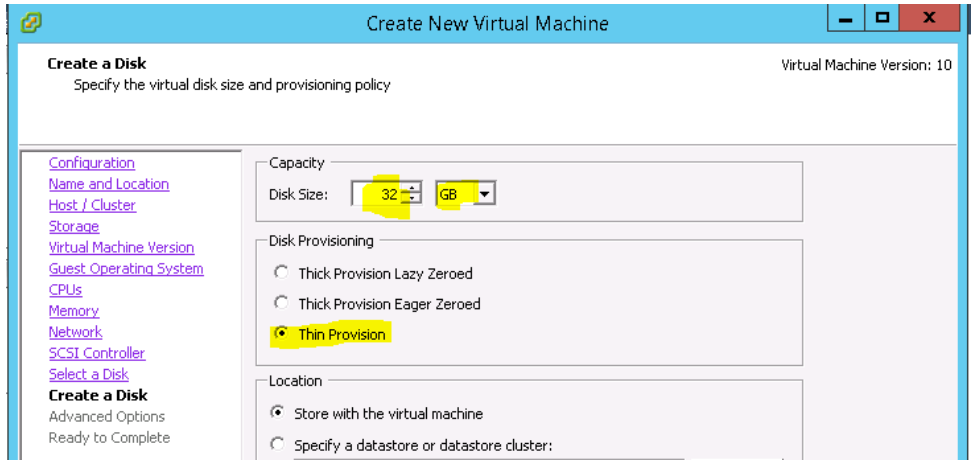
- Select Linux and Red Hat Enterprise Linux 7 (64 Bit)



- Always select 2 virtual sockets and 2 cores



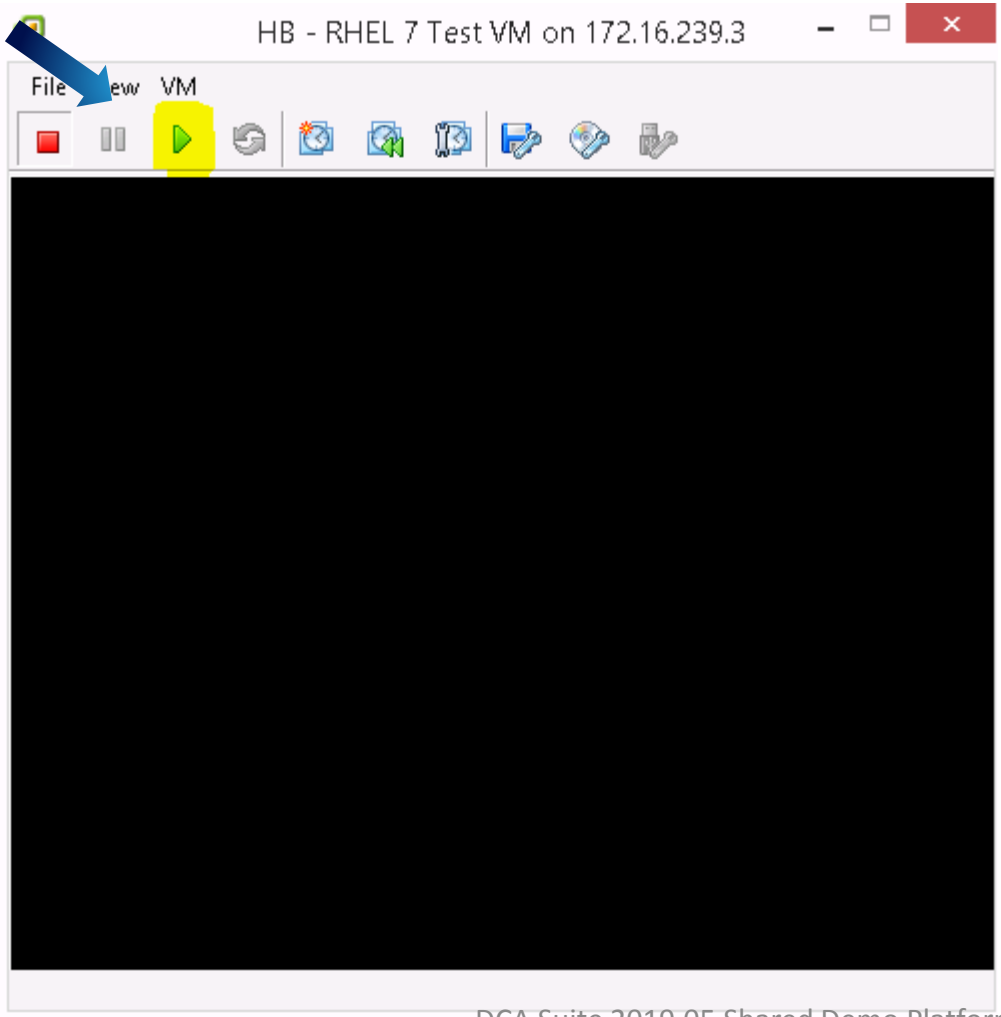
- For Red Hat Linux – Select 4 GB RAM



- Always select 32 GB size and Thin Provisioning

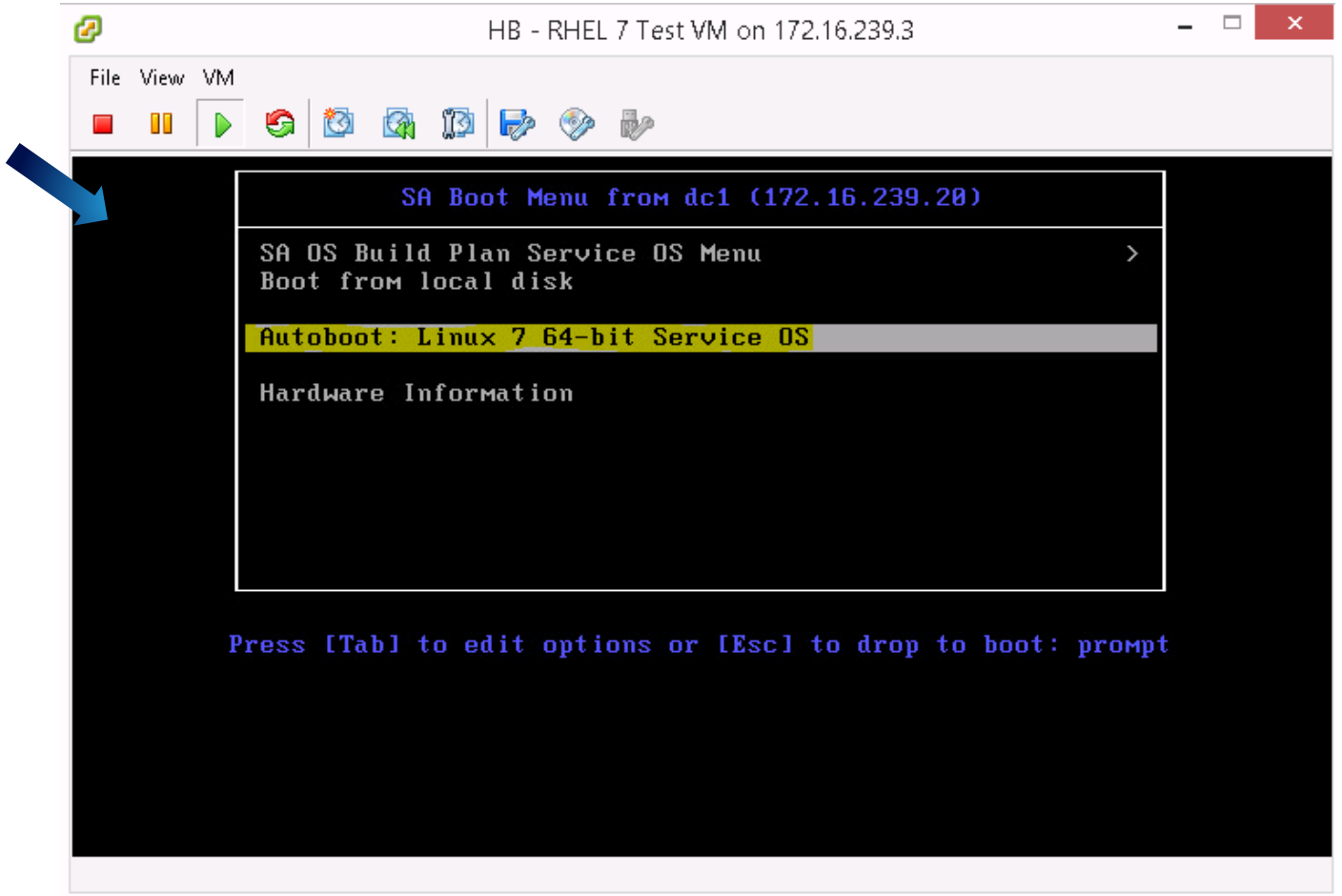
Powering on your newly created vm for provisioning (1)

Open the virtual machine console and click the “Power On” icon



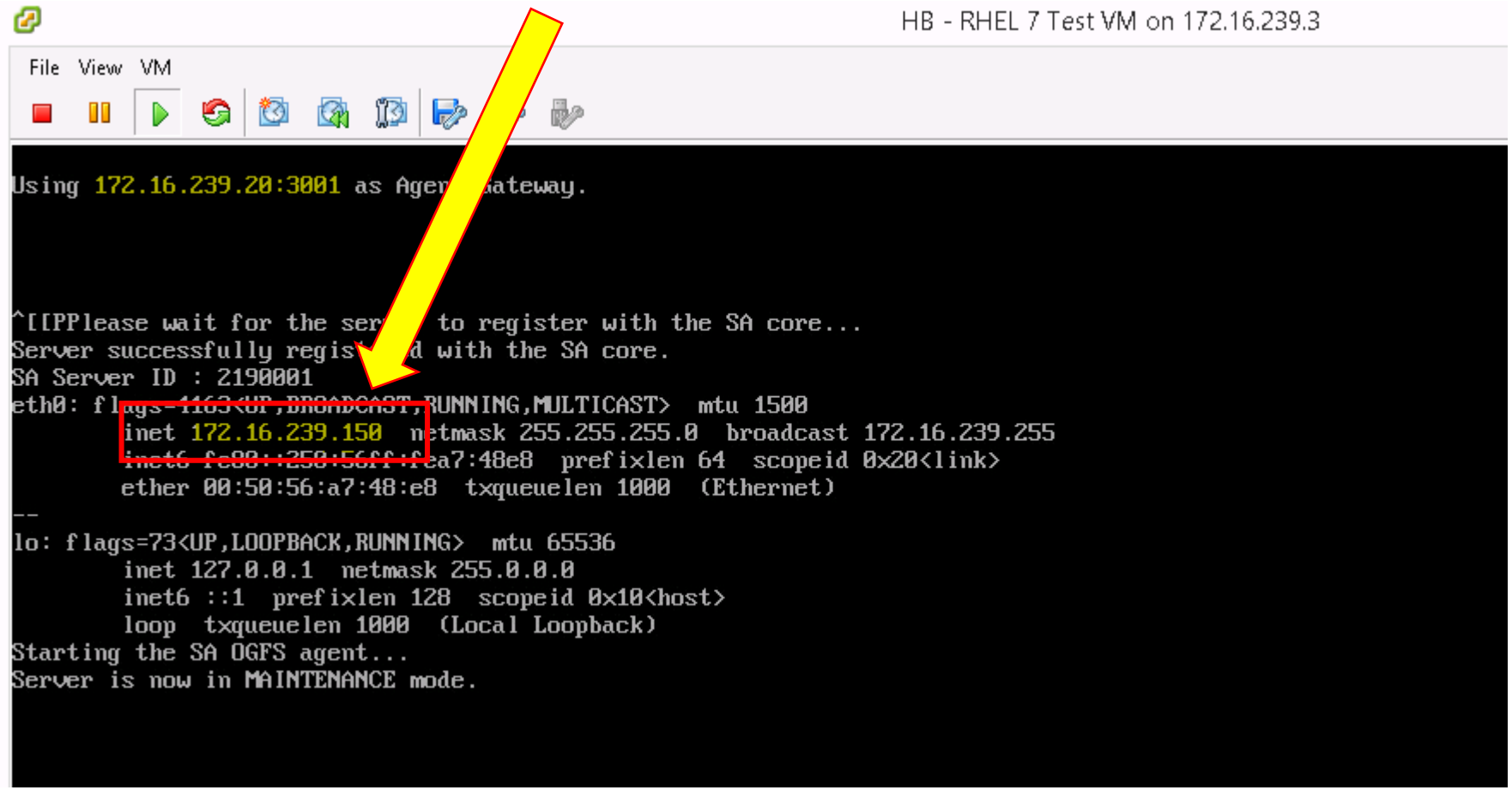
Powering on your newly created vm for provisioning (2)

When the **SA Boot Menu** appears, quickly click the mouse “**Once**” in the window and use the “**UP**” arrow key to select the “**SA OS Build Plan Service OS Menu**”. Press “**Enter**” to start the boot process.



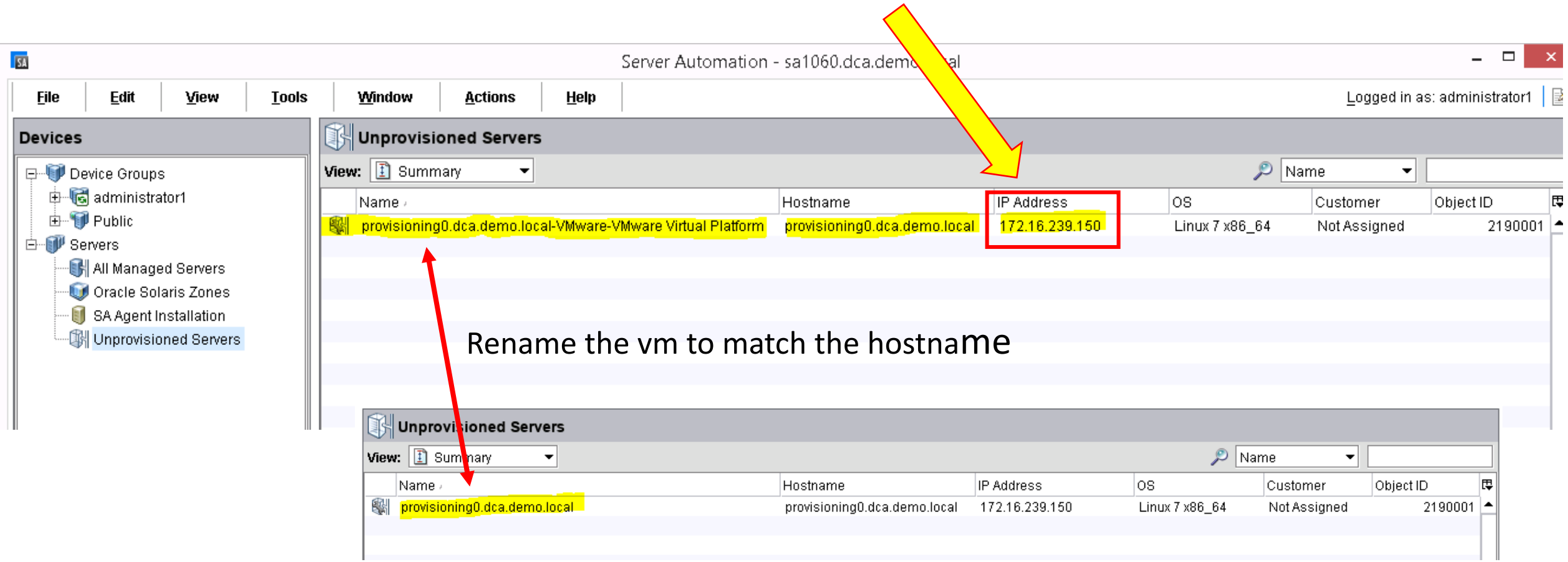
Powering on your newly created vm for provisioning (3)

From the screen you can see the IP address and the note that the server is now in “Maintenance Mode” ready for OSBP provisioning from SA. Go to SA Unprovisioned Severs



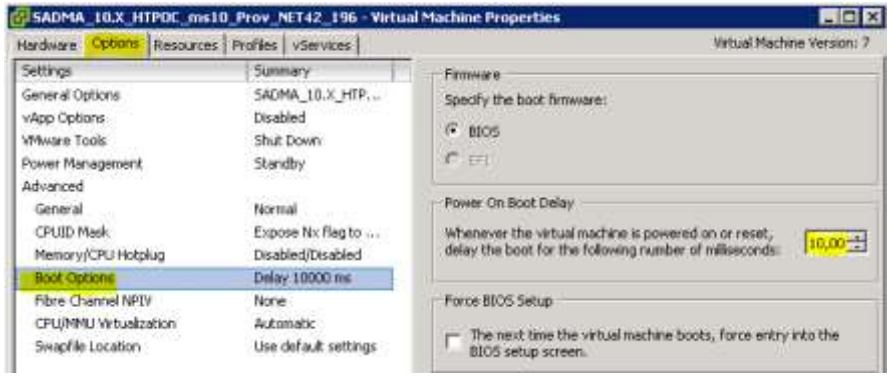
Powering on your newly created vm for provisioning (4)

From **SA Unprovisioned Severs** you will find your server ready for provisioning using OSBP. Just make sure you are using your correct server. Check the IP address to that in the console!



Guidelines using vSphere Client and VMs

- Please ONLY USE vSphere Client to:
  - Create a VM
  - Snapshot YOUR VMs
  - Revert VMs back to the start of the demo settings
  - Start VM
  - View VM Console for interaction with boot process (OS Provisioning)
  - Change boot settings



- PLEASE PLAY FAIR in your environment!
- Any changes to the shared environment could have consequences for others.
- Please ***Do Not Abuse*** your platform privileges!

Preparing and using the Demo Platform

TOC

Be prepared……

Tips for a successful demo:

1. Book some practice time. Familiarize yourself with the environment
2. Review the executive demos for each demo use case you plan to show. They can also be a backup should something go wrong.
3. Book your demo at least 1 hour before your demo start time and extend, if possible, a couple hours after your demo. Avoid being logged out during your demo.
4. Your demo reservation is only up to 4 hours maximum. Plan accordingly.
5. Determine if your demo is “show-and-tell” only (Demo Appliance) OR you will require the “Live” demo (pre-installed DCAX).
6. Always use ***ONLY*** the resources assigned to your demoXuser login. Check the desktop for your specific content.

Using the DCA Suite 2019.05 Shared Demo Platform

Before you start!

1. Revert your target VMs
2. Delete any of your “assigned” targets from DCAX UI
3. Bring under DCAX Agentless management your target VMs
4. Add your target VMs to your specific resource group in DCAX
5. Run Scans for Risk and Compliance. Optional Remediation ← Demo

Takes about 15 min.

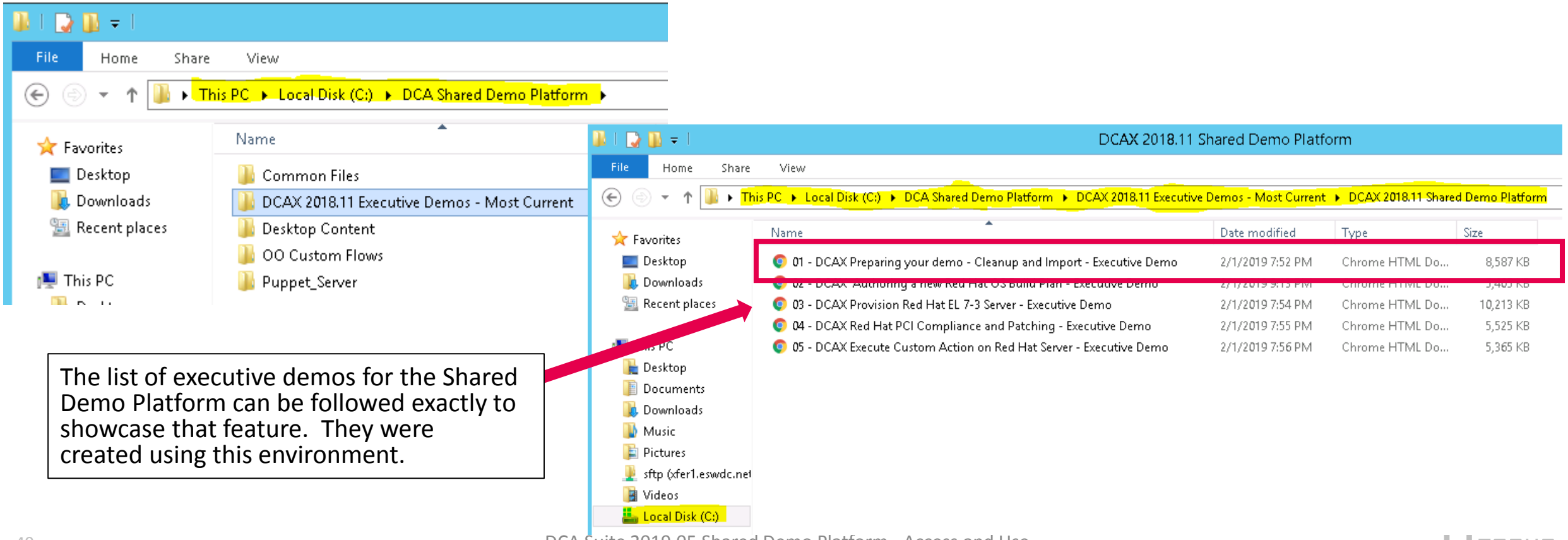
For Provisioning

1. Create or Clone a new VM through the vSphere Client
2. Power on the VM from the Console
3. Interact with boot process then use SA OSBP to provision ← Demo

Takes about 5 min.

Check out the DCA Shared Demo Platform folder

The **DCA Suite Shared Demo Platform** folder on the Accessvm contains all the latest Executive Demos and content to help you navigate through the environment. It contains both new Use Cases and Marketing content on features and capabilities of DCAX



The list of executive demos for the Shared Demo Platform can be followed exactly to showcase that feature. They were created using this environment.

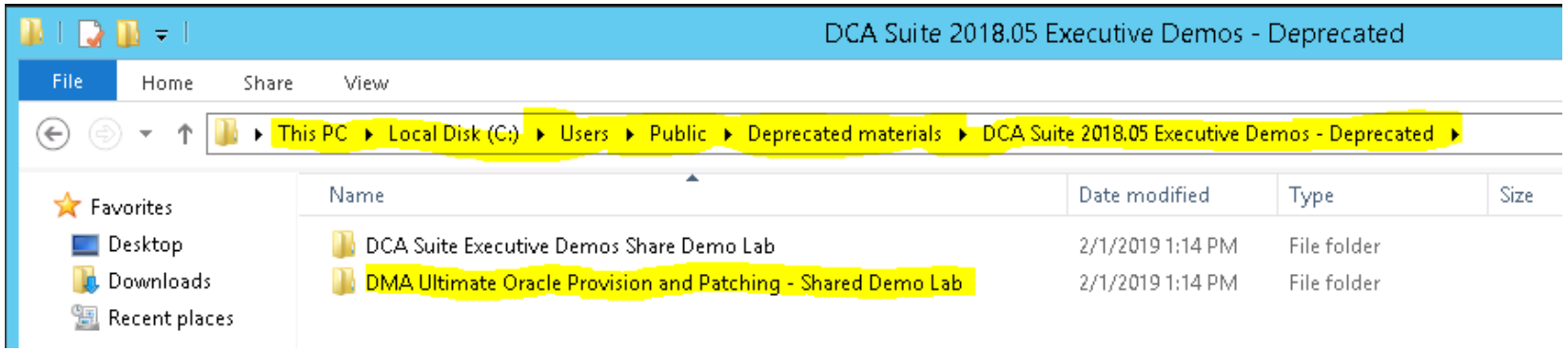
Executive Demos – DMA Ultimate Reference

The following can be used as a guideline working the lab environment!

These set of Executive Demos show how too use DMA Ultimate to:

1) Provision Oracle 12 Software
2) Provision a Database
3) Patch Home and Database
4) Roll Back Patch

Note: These were created using DMA 10.50. Demo planning only. Not for customer viewing!

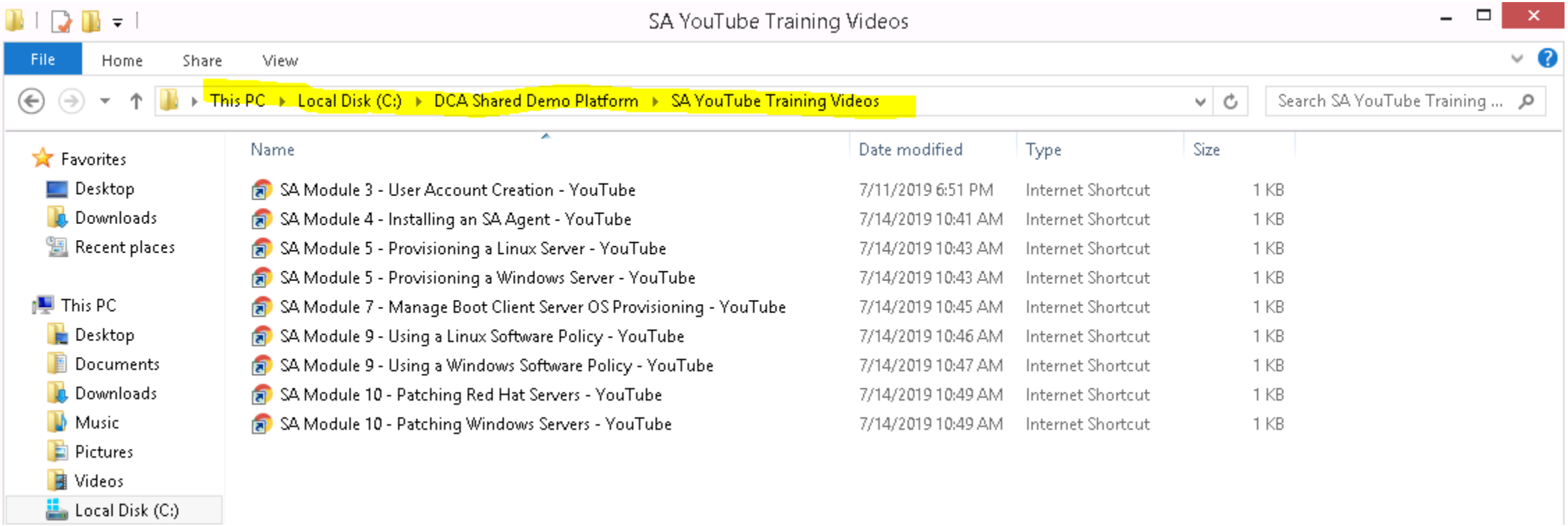


YouTube Videos – SA 2018.08 Use Cases Reference

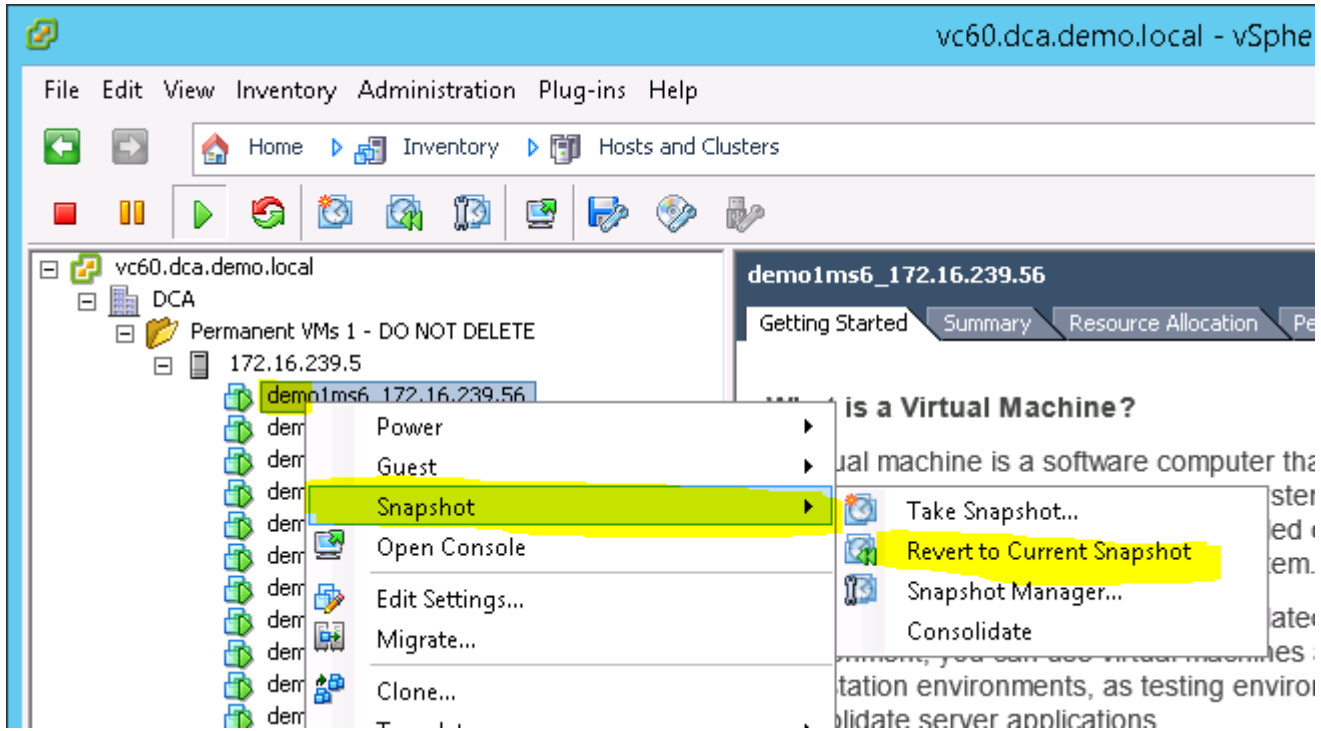
The following can be used as a guideline in the lab environment!

These set of YouTube videos show how to use SA:

Note: These were created using SA 2018.08 and are for training only. Use as a guide!



Before you begin your demo – revert your target vms



You never know what state your target vms are in after the last person used the demo account. Best to revert and power up your target vms

- Please see the section in this presentation on using the vSphere Client.
- Remember! Only revert YOUR Target vms! Do Not Touch other demoXuser account vms!
- After you have reverted and powered on the vms you should login to DCAX UI and remove your target servers resources. It will automatically remove them from any resource group.
- You can then either re-add them back to the existing resource group, or create your own.
- This is the only way you know you are starting with a “fresh” demo environment.

Platform Use Case Recommendations (1)

Here are some guidelines in using the DCA Suite Shared Demo Platform:

1) Stick to RHEL 7.3/7.5 for provisioning, patching and compliance
2) Use the RHEL 7.3/7.5 Meltdown and Spectre Patch policies,
3) RHEL PCI Compliance will give a “green” score after remediation – Good Demo.
4) For Puppet Managed servers, run DCAX compliance on the CentOS (demoXpuppet1) servers.
5) Use the provided Resource Groups for Oracle to show Middleware Compliance
6) Do Not show windows patching. It is very slow and awkward to demo

SA Only:

1) demoXsarh1 can be used for Oracle/JBOSS provisioning with DMA Ultimate but requires SA management and NOT DCAX Agentless managed!
2) demoXsawin1 can be used for MS SQL provisioning with DMA Ultimate but requires SA management and NOT DCAX Agentless managed!
3) DO NOT bring the demoXmsX vms under SA Management. This will create problems in DCA agentless management
4) Use SA for OS Provisioning of Linux and Windows Servers. ONLY use the “**My Company”** prefixed OSBPs

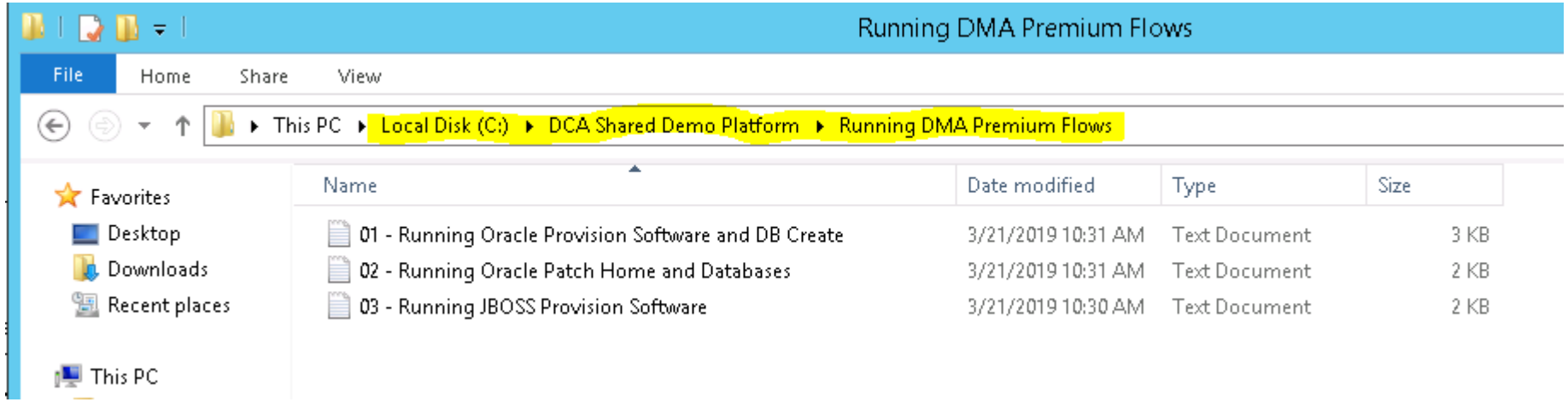
Platform Use Case Recommendations (2)

Here are some guidelines in using the DCA Suite Shared Demo Platform:

- Use the DMA Premium OO Flows to:

  1) Provision Oracle Software
  2) Create Oracle Database
  3) Provision JBOSS Software

  The above flows can be run from OO Central following the guides on the Accessmv. They new created resources can be used in DCAX for compliance. The instructions on how to use can be found here:



Danger Danger Will Robinson!
What you can and cannot do in the lab!

DO

- Create as many target vms as you need, but
- Clean-up your unused vms.
- Add content to SA, DMA, but label or locate in proper folders. Platform environment will be reverted from time-to-time.
- If you have good content, let the DCA Enablement team know so we can back it up.
- Prefix your DCA groups and policy names with your initials. Makes it easy to identify your content.

DO NOT!

- Do not stop any of the services. Others may be using them.
- Do Not touch/delete or use any other demoXuser's vms! Use ONLY your OWN!

Questions?

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Questions?

- If you have questions using this shared demo platform please email: hayden.brown@microfocus.com

Here is wishing you Good Luck with your DCA Demo!


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