VMWare Horizon View 8 2006 – Part 4

In this post, I will cover the following:

1. Add RDS Windows Server 2019 to Horizon View Farm
2. Instant Clone Domain Accounts
3. Restrict Remote Access
4. Disable Secure Channel
5. Create Master Image for Instant Clone & Linked Clone
6. Install Horizon Client, Agent, Optimization tool on Instant Clone & Linked Clone Master Image

How Instant Clones work

Instant Clones **shares virtual disks** with the replica VM after the linked clone is created.

Instant Clones are provisioned by creating a running parent VM from the replica VM that **shares the memory** of the running parent VM from which it is created. While information come from the already existing running parent VM, changes are **written to a delta disk**, not to the running parent VM. Once created, the clone is **linked to the replica VM** and not to the running parent VM.

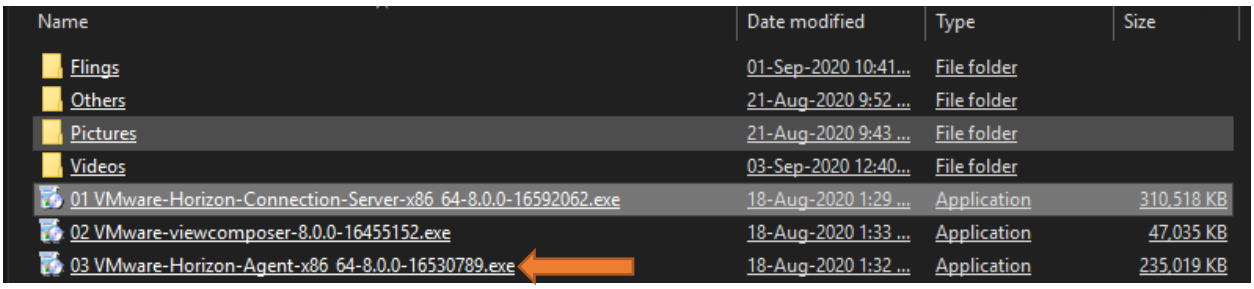
Since Instant Clone share the running parent VM's memory, they are **created in seconds** and instantly powered on and no boot time is required when the cloning process is finished. The Instant Clone is **deleted when the user logs out**.

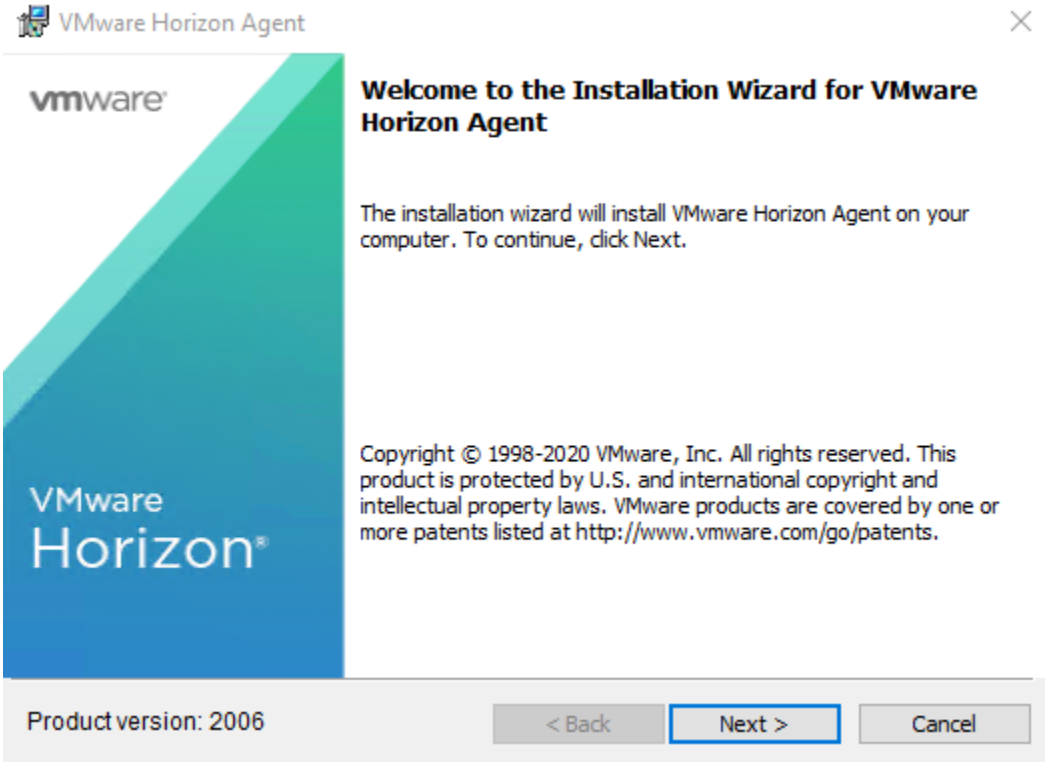
Note that in Horizon we can create two types of pools. Linked clone which uses composer to provision VDI's which saves the storage.

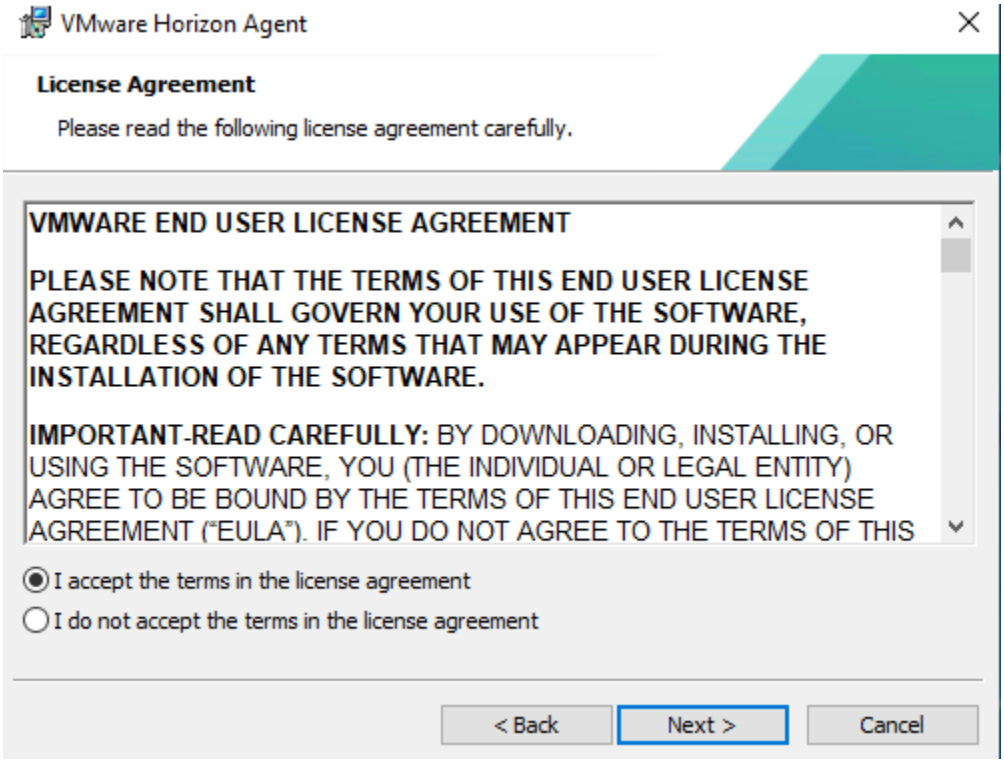
Instant clone need Horizon Enterprise licenses and uses only connection server, no composer required and its saves storage.

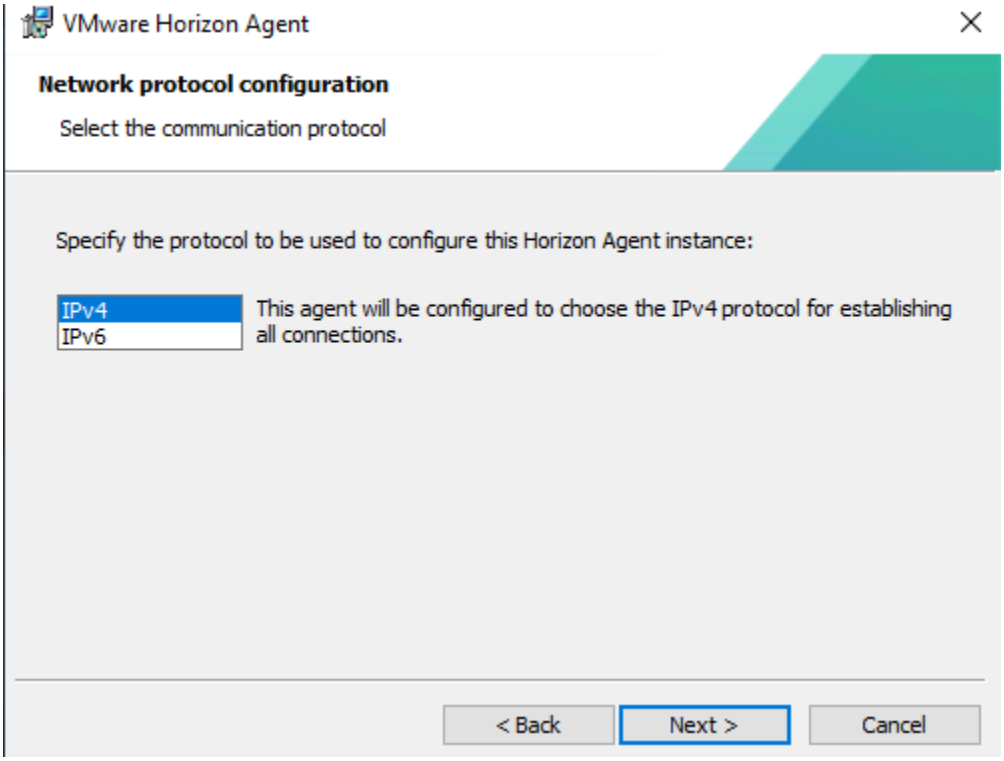
ADD RDS Server:

We have to install Horizon Agent on RDS Server.

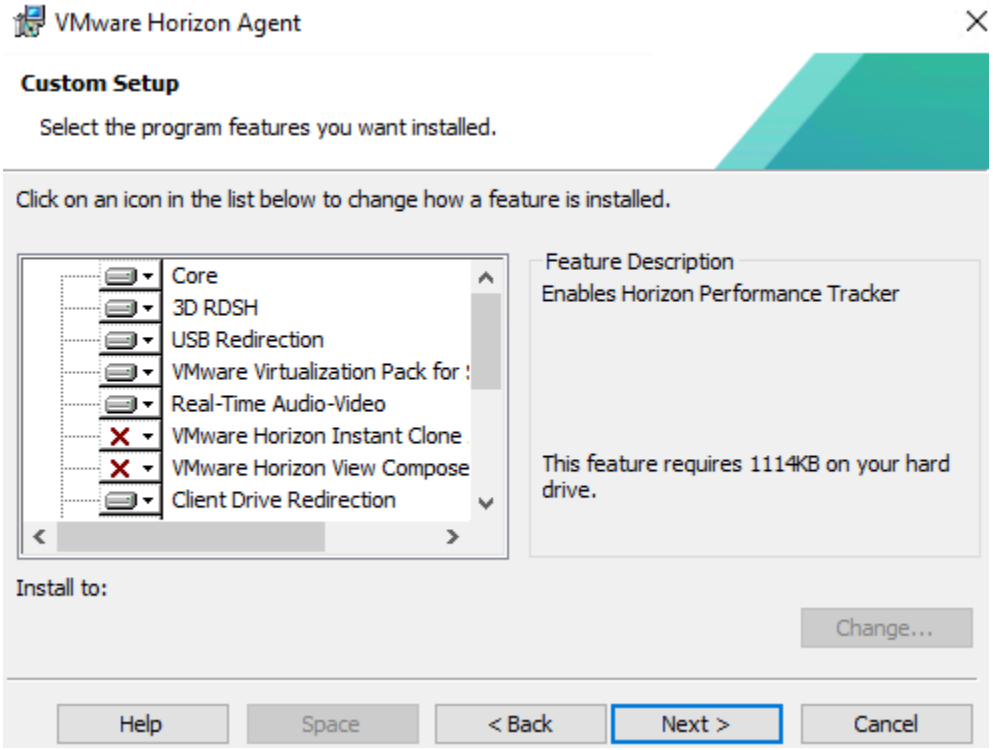


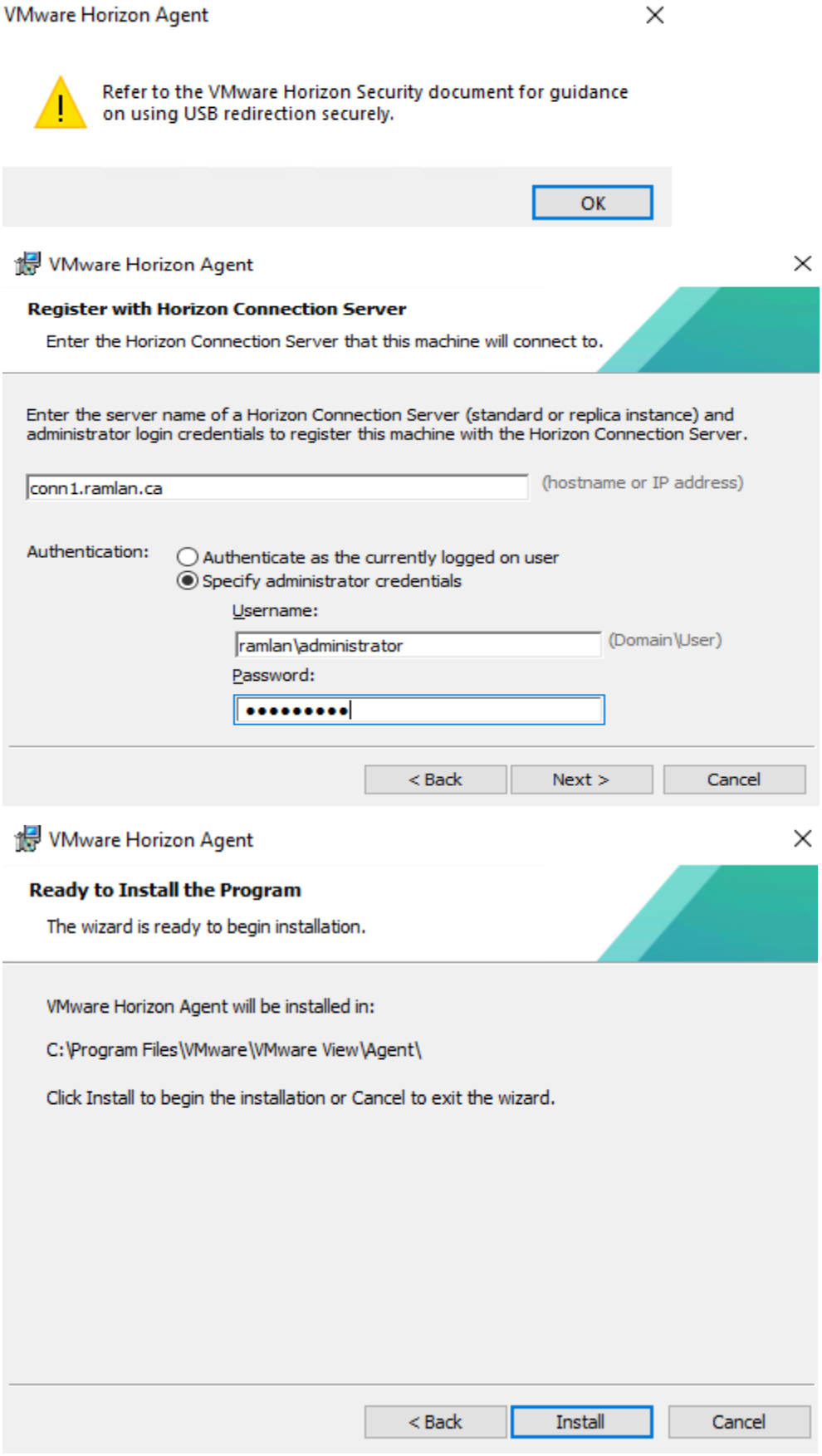

VMware Horizon Agent
vmware
Welcome to the Installation Wizard for VMware Horizon Agent
The installation wizard will install VMware Horizon Agent on your computer. To continue, click Next.
Copyright © 1998-2020 VMware, Inc. All rights reserved. This product is protected by U.S. and international copyright and intellectual property laws. VMware products are covered by one or more patents listed at http://www.vmware.com/go/patents.
VMware
Horizon
Product version: 2006
< Back
Next >
Cancel

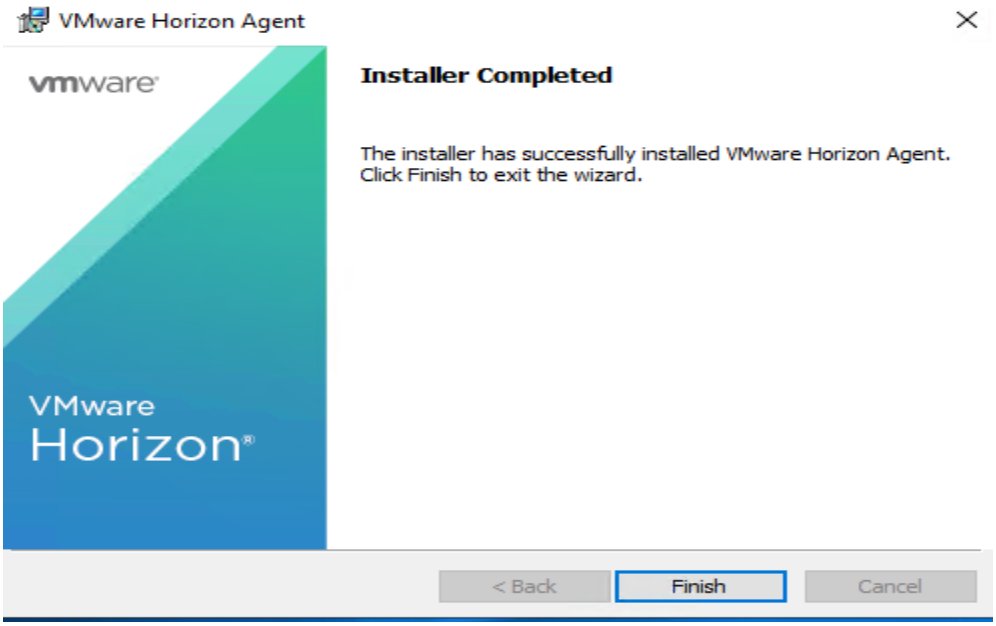

VMware Horizon Agent
License Agreement
Please read the following license agreement carefully.
VMWARE END USER LICENSE AGREEMENT
PLEASE NOTE THAT THE TERMS OF THIS END USER LICENSE AGREEMENT SHALL GOVERN YOUR USE OF THE SOFTWARE, REGARDLESS OF ANY TERMS THAT MAY APPEAR DURING THE INSTALLATION OF THE SOFTWARE.
IMPORTANT-READ CAREFULLY: BY DOWNLOADING, INSTALLING, OR USING THE SOFTWARE, YOU (THE INDIVIDUAL OR LEGAL ENTITY) AGREE TO BE BOUND BY THE TERMS OF THIS END USER LICENSE AGREEMENT ("EULA"). IF YOU DO NOT AGREE TO THE TERMS OF THIS
I accept the terms in the license agreement
I do not accept the terms in the license agreement
< Back
Next >
Cancel

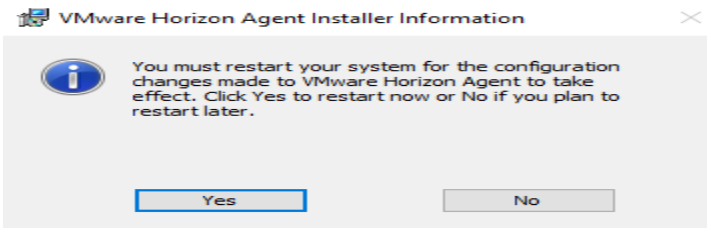


Enable what is required to your organization. I have enabled few…

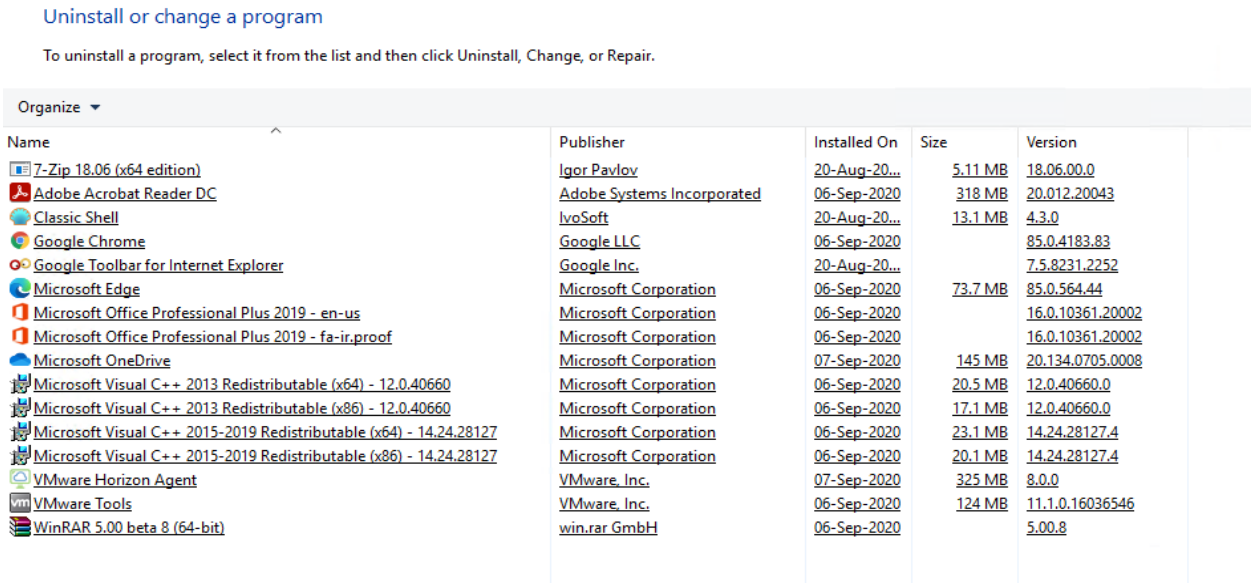


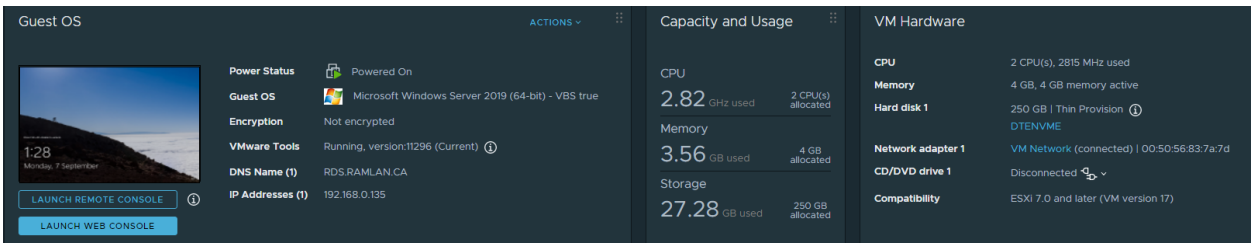

VMware Horizon Agent
Refer to the VMware Horizon Security document for guidance on using USB redirection securely.
OK
VMware Horizon Agent
Register with Horizon Connection Server
Enter the Horizon Connection Server that this machine will connect to.
Enter the server name of a Horizon Connection Server (standard or replica instance) and administrator login credentials to register this machine with the Horizon Connection Server.
conn1.ramlan.ca
(hostname or IP address)
Authentication:
Authenticate as the currently logged on user
Specify administrator credentials
Username:
ramlan\administrator
(Domain\User)
Password:
< Back
Next >
Cancel
VMware Horizon Agent
Ready to Install the Program
The wizard is ready to begin installation.
VMware Horizon Agent will be installed in:
C:\Program Files\VMware\VMware View\Agent\
Click Install to begin the installation or Cancel to exit the wizard.
< Back
Install
Cancel



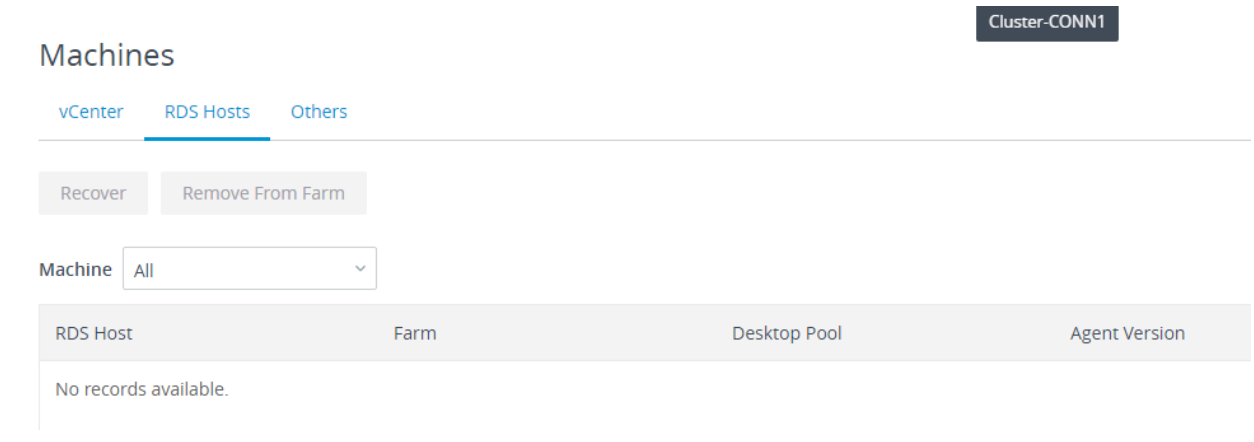


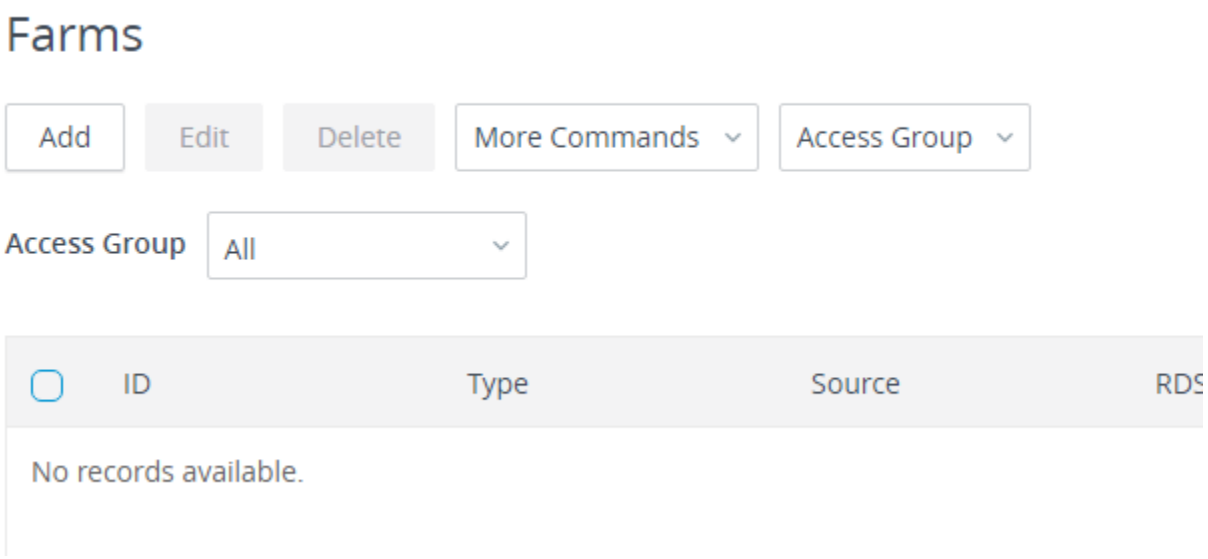
Below are list of applications installed on RDS Server.

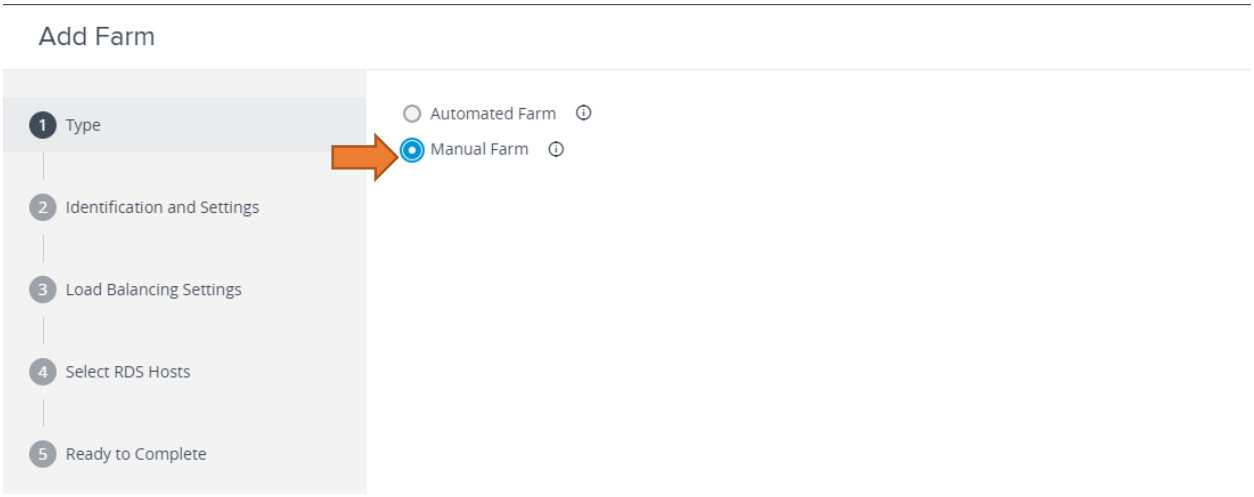


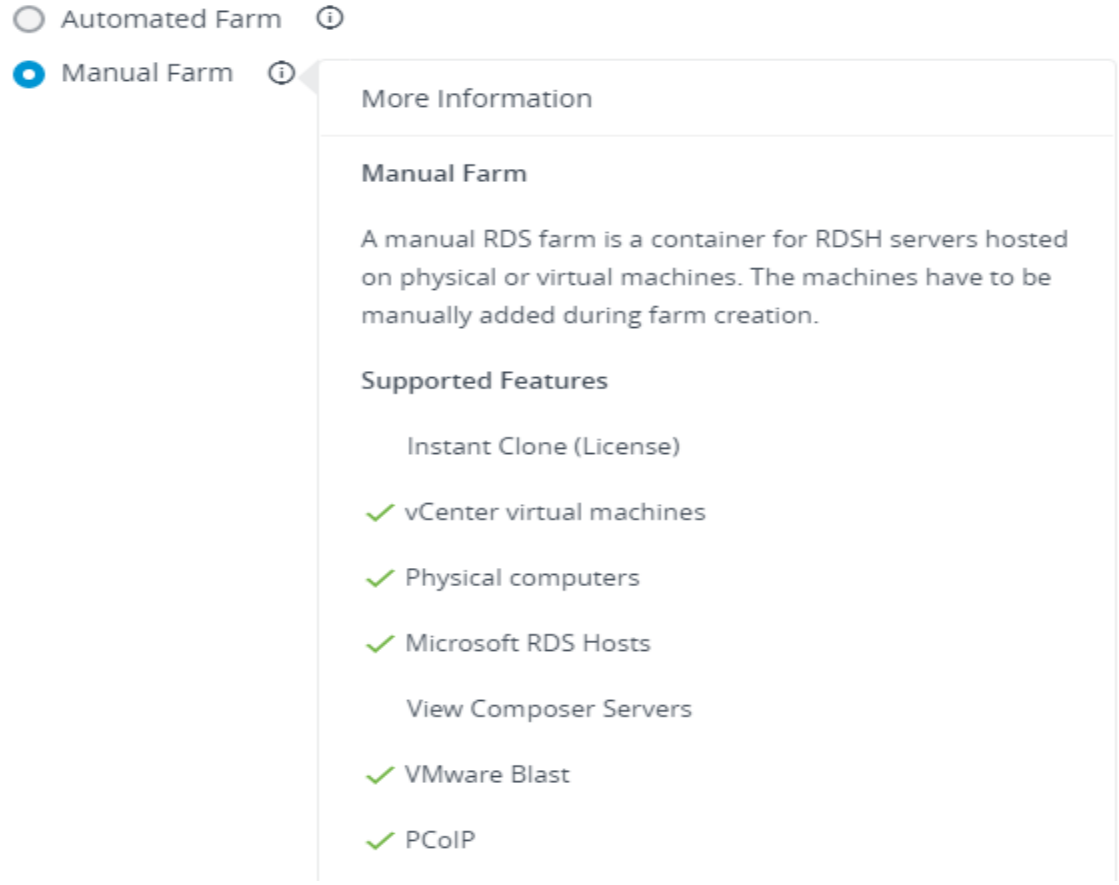


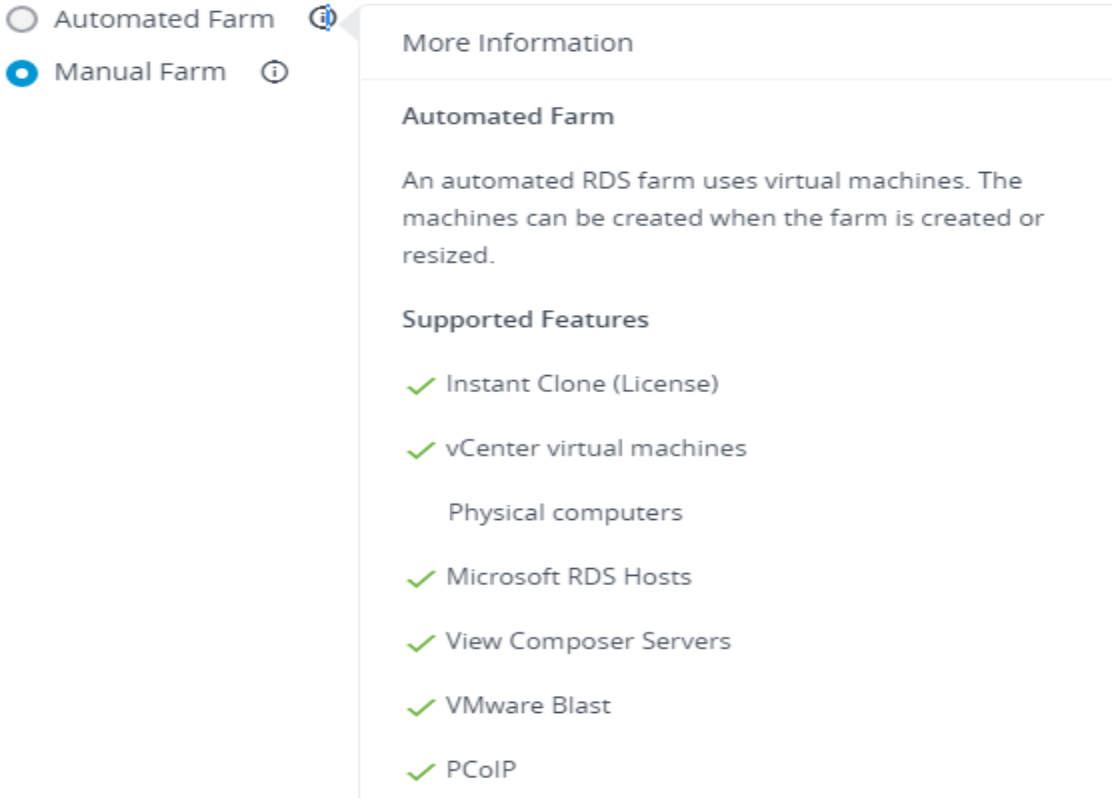
From below screen you can see RDS Server is not listed on Connection Server. We will add a farm first and then it will show up.

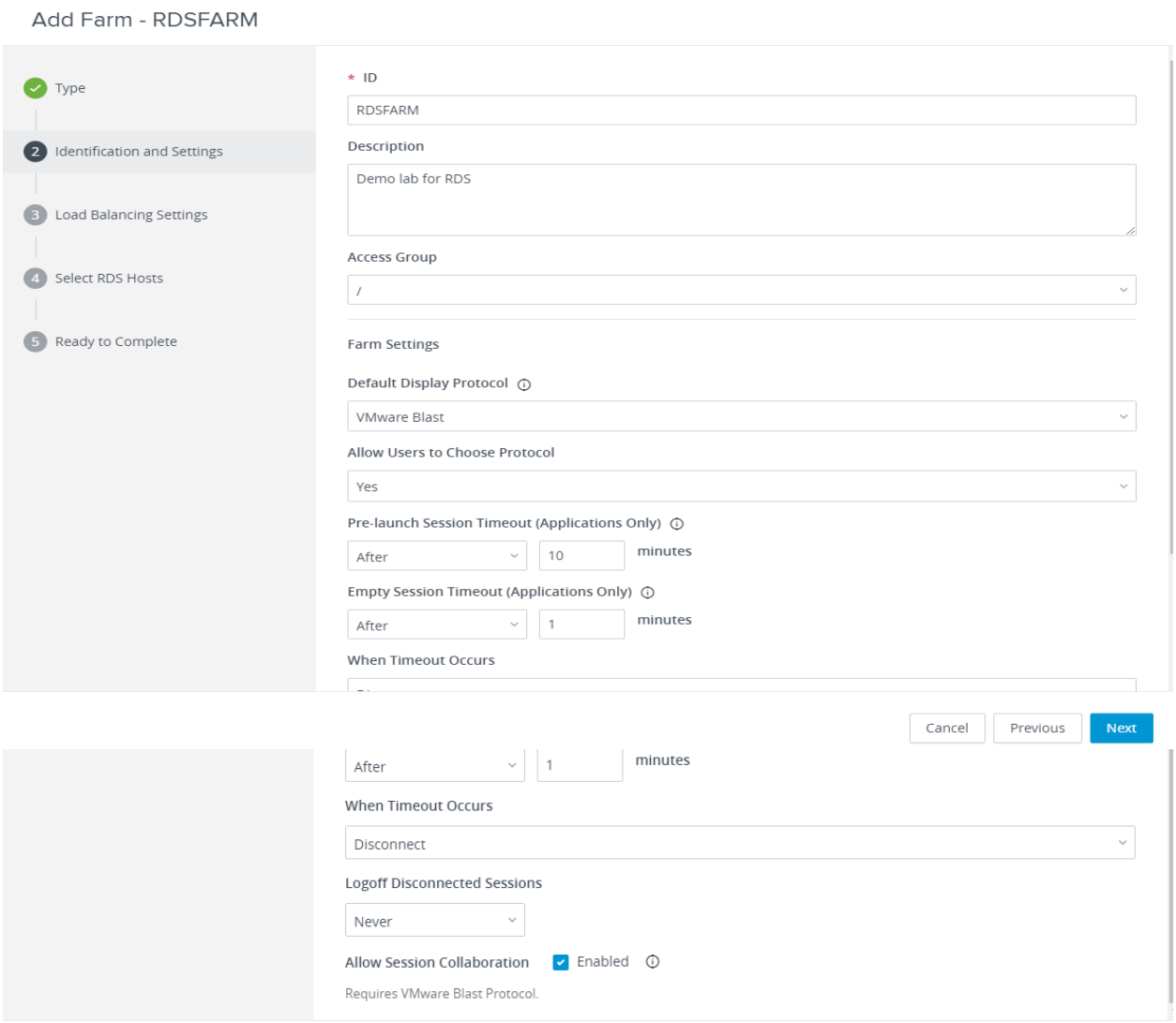




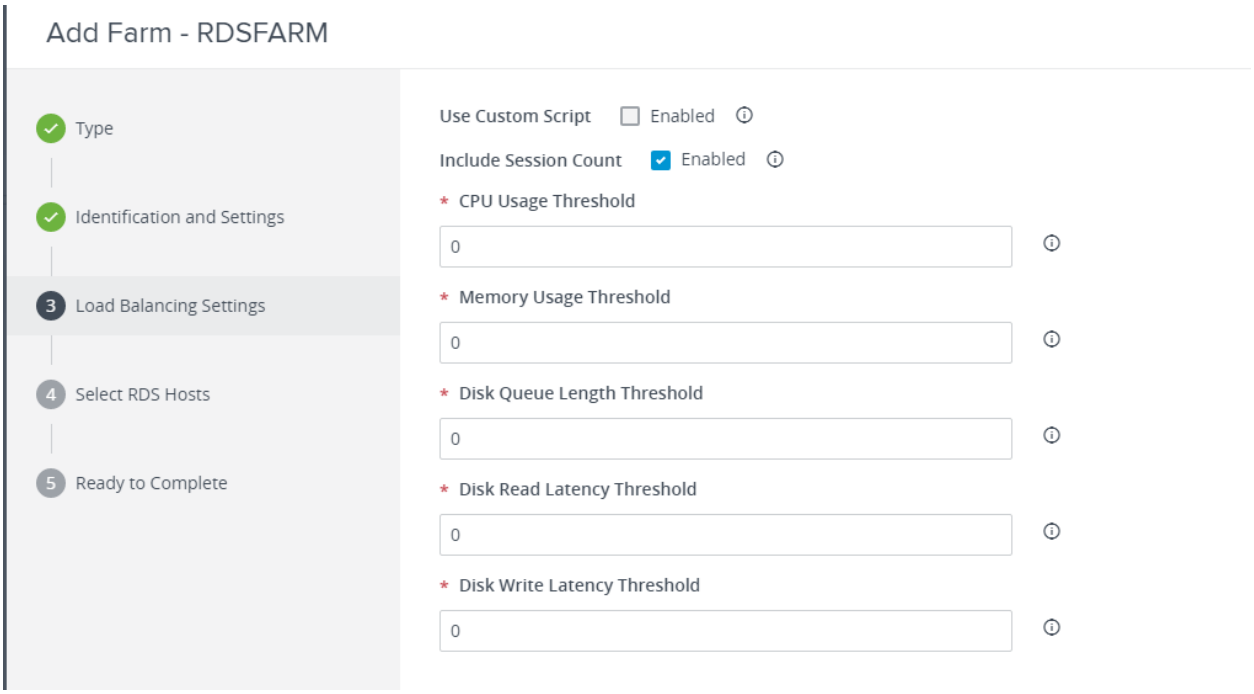



Automated Farm
Manual Farm
More Information
Manual Farm
A manual RDS farm is a container for RDSH servers hosted on physical or virtual machines. The machines have to be manually added during farm creation.
Supported Features
Instant Clone (License)
vCenter virtual machines
Physical computers
Microsoft RDS Hosts
View Composer Servers
VMware Blast
PCoIP


Automated Farm
Manual Farm
More Information
Automated Farm
An automated RDS farm uses virtual machines. The machines can be created when the farm is created or resized.
Supported Features
Instant Clone (License)
vCenter virtual machines
Physical computers
Microsoft RDS Hosts
View Composer Servers
VMware Blast
PCoIP


Add Farm - RDSFARM
Type
2 Identification and Settings
3 Load Balancing Settings
4 Select RDS Hosts
5 Ready to Complete
* ID
RDSFARM
Description
Demo lab for RDS
Access Group
/
Farm Settings
Default Display Protocol
VMware Blast
Allow Users to Choose Protocol
Yes
Pre-launch Session Timeout (Applications Only)
After
10
minutes
Empty Session Timeout (Applications Only)
After
1
minutes
When Timeout Occurs
Cancel
Previous
Next

After
1
minutes
When Timeout Occurs
Disconnect
Logoff Disconnected Sessions
Never
Allow Session Collaboration
Enabled
Requires VMware Blast Protocol.


Add Farm - RDSFARM
Type
Identification and Settings
3 Load Balancing Settings
4 Select RDS Hosts
5 Ready to Complete
Use Custom Script
Enabled
Include Session Count
Enabled
* CPU Usage Threshold
0
* Memory Usage Threshold
0
* Disk Queue Length Threshold
0
* Disk Read Latency Threshold
0
* Disk Write Latency Threshold
0

Add Farm - RDSFARM

- Type
- Identification and Settings
- Load Balancing Settings
- 4 Select RDS Hosts
- 5 Ready to Complete

Select RDS hosts to add to the farm RDSFARM

	DNS Name	Type	Max Number of Conne...	Status
☑	rds.ramlan.ca	Windows Server 2016 or above	150	Available

Add Farm - RDSFARM

- Type
- Identification and Settings
- Load Balancing Settings
- Select RDS Hosts
- 5 Ready to Complete

ID	RDSFARM
Description	Demo lab for RDS
Access Group	/
Farm Settings	
Default Display Protocol	VMware Blast
Allow Users to Choose Protocol	Yes
Pre-launch Session Timeout (Applications Only)	10 minutes
Empty Session Timeout (Applications Only)	1 minute
When Timeout Occurs	Disconnect
Logoff Disconnected Sessions	Never
Allow Session Collaboration	Enabled
Number of RDS Hosts in the Farm	1
Load Balancing Settings	
Use Custom Script	Disabled
Include Session Count	Enabled
CPU Usage Threshold	0
Memory Usage Threshold	0
Disk Queue Length Threshold	0
Disk Read Latency Threshold	0
Disk Write Latency Threshold	0

Cancel Previous Submit

Cancel Previous Submit

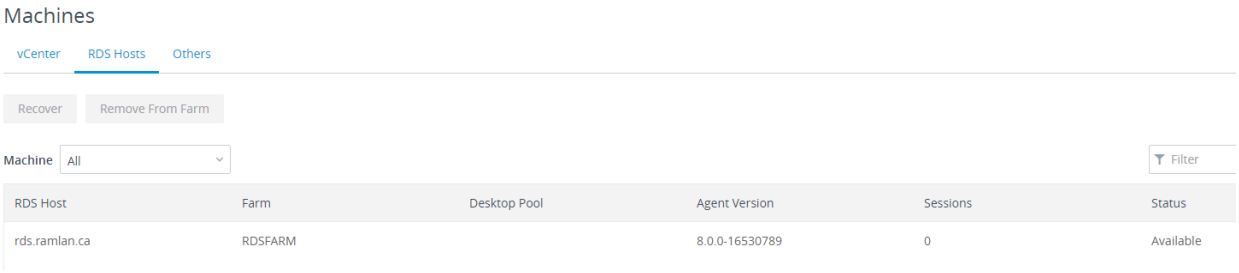
Farms

Add Edit Delete More Commands Access Group

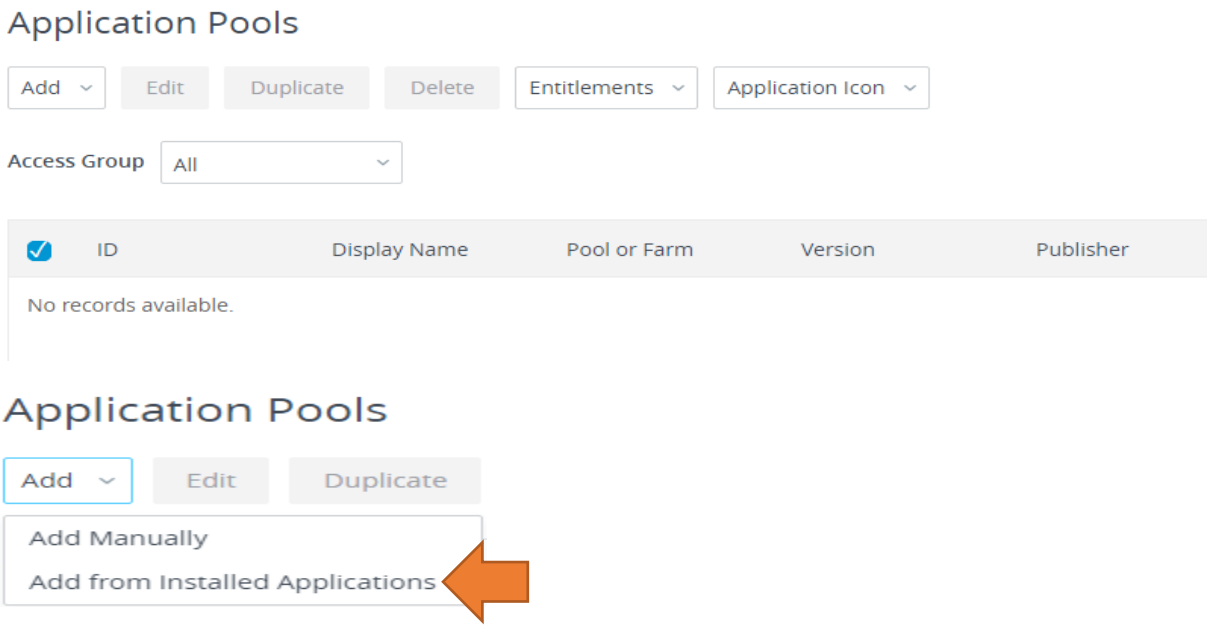
Access Group All

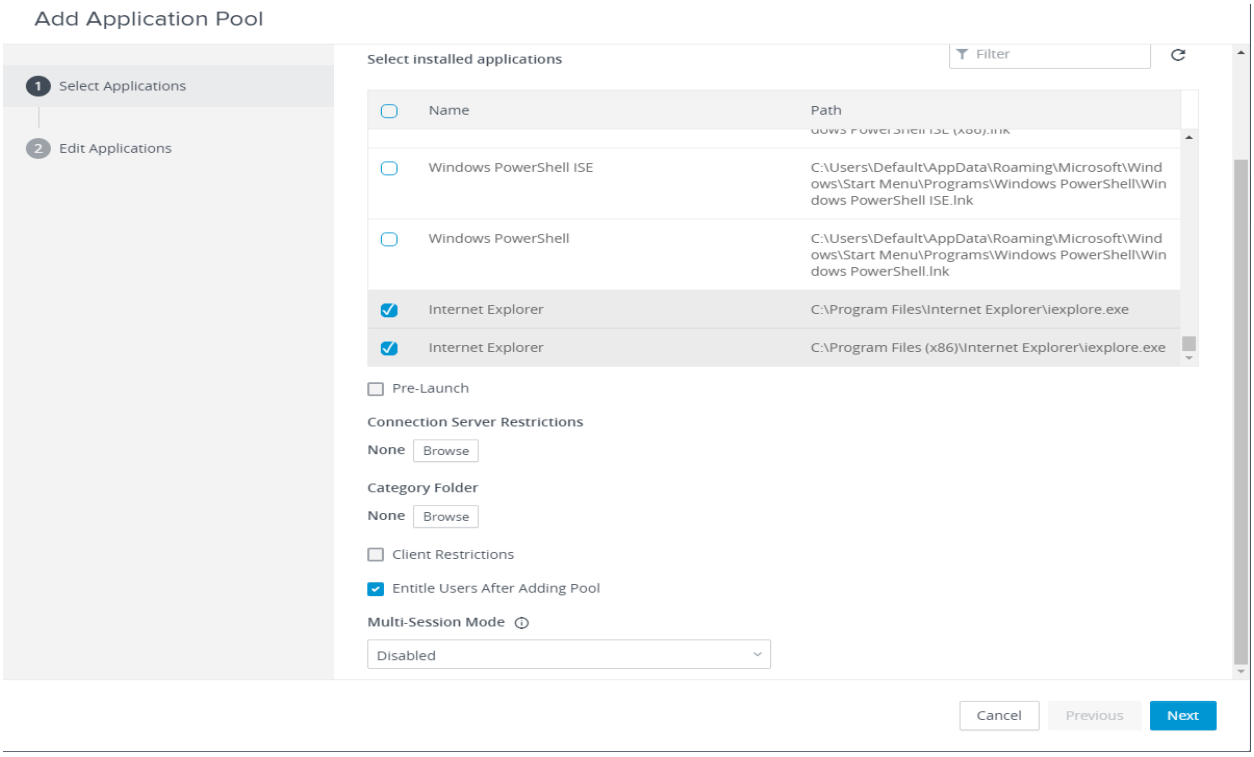
Filter

	ID	Type	Source	RDS Hosts	Desktop Pool	Application Pools	Sessions	Max Number of Con...	Enabled
☐	RDSFARM	Manual	vCenter	1	0	0	0	150	✓



Now we will add Application Pools that will be available for the client later.





Add Application Pool

- Select Applications
- 2 Edit Applications

Edit the ID and display name for selected applications.

ID	Display Name	Path
7-Zip_File_Manager	7-Zip File Manager	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\7-Zip\7-Zip File Manager.lnk
Calculator	Calculator	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Accessories\Calculator.lnk
Paint	Paint	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Accessories\Paint.lnk
Snipping_Tool	Snipping Tool	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Accessories\Snipping Tool.lnk
WordPad	WordPad	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Accessories\Wordpad.lnk
Acrobat_Reader_DC	Acrobat Reader DC	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Acrobat Reader DC.lnk
Excel	Excel	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Excel.lnk
Google_Chrome	Google Chrome	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Google Chrome.lnk
Microsoft_Edge	Microsoft Edge	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Microsoft Edge.lnk
Skype_for_Business_Recorc	Skype for Business Recordi	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Microsoft Office Tools\Skype for Business Recording Manager.lnk
OneNote_2016	OneNote 2016	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\O

Cancel Previous Submit

Add Application Pool

- Select Applications
- 2 Edit Applications

Skype_for_Business_Recorc	Skype for Business Recordi	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Microsoft Office Tools\Skype for Business Recording Manager.lnk
OneNote_2016	OneNote 2016	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\OneNote 2016.lnk
Outlook	Outlook	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Outlook.lnk
PowerPoint	PowerPoint	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\PowerPoint.lnk
Skype_for_Business	Skype for Business	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Skype for Business.lnk
WinRAR	WinRAR	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\WinRAR\WinRAR.lnk
Word	Word	C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Word.lnk
Notepad	Notepad	C:\Users\Default\AppData\Roaming\Microsoft\Windows\Start Menu\Programs\Accessories\Notepad.lnk
Command_Prompt	Command Prompt	C:\Users\Default\AppData\Roaming\Microsoft\Windows\Start Menu\Programs\System Tools\Command Prompt.lnk
Windows_PowerShell_x86	Windows PowerShell (x86)	C:\Users\Default\AppData\Roaming\Microsoft\Windows\Start Menu\Programs\Windows PowerShell\Windows PowerShell (x86).lnk
Internet_Explorer	Internet Explorer	C:\Program Files\Internet Explorer\iexplore.exe
Internet_Explorer-1	Internet Explorer	C:\Program Files (x86)\Internet Explorer\iexplore.exe

Cancel Previous Submit

Add Entitlements

Add new users and groups who can use the selected pool(s).

Add | Remove

Name	Domains	Email
No records available.		

Cancel | OK

Find User or Group

Type: Users, Groups, Unauthenticated Users

Domain: Entire Directory

Name/User Name: Contains — domain users

Description: Contains

Find

Name	User Name	Email	Description	In Folder
Domain Users	Domain Users/RAMLAN.CA		All domain users	RAMLAN.CA/Users

« 1 »

Cancel | OK

Add Entitlements

Add new users and groups who can use the selected pool(s).

Add | Remove

Name	Domains	Email
Domain Users/RAMLAN.CA	RAMLAN.CA	

Cancel | OK

Application Pools

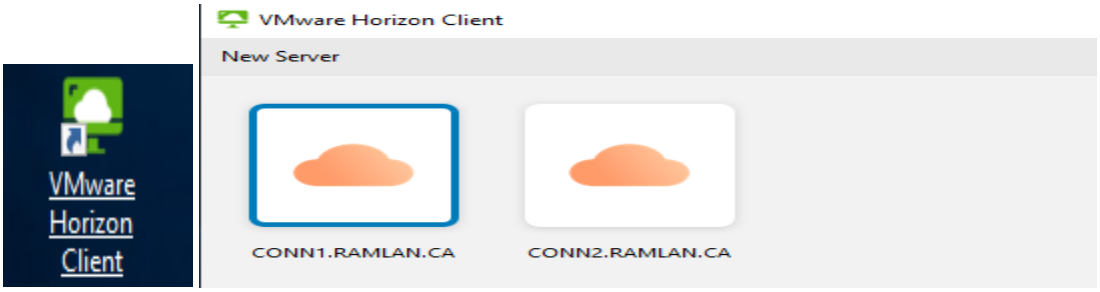
Add | Edit | Duplicate | Delete | Entitlements | Application Icon

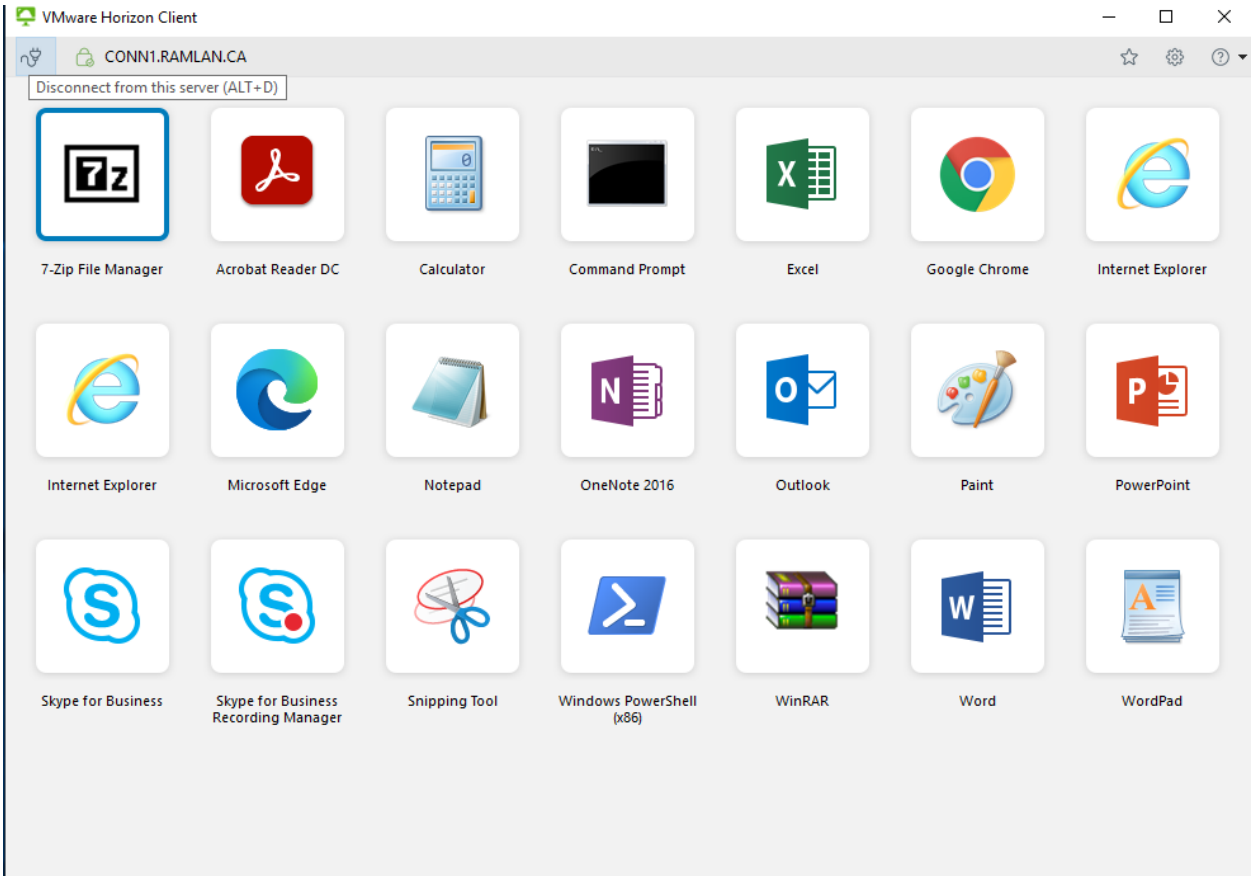
Access Group: All

Filter

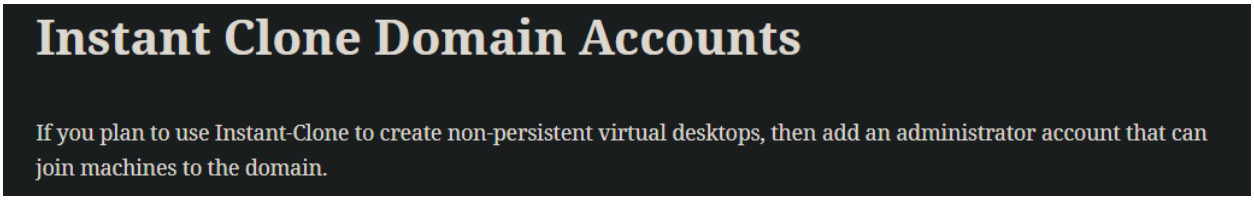
ID	Display Name	Pool or Farm	Version	Publisher	User Count	App Shortcuts	Pre-Launch	Multi-Session Mode	Status
7-Zip File Manager	7-Zip File Manager	RDSFARM	18.06	Igor Pavlov				Disabled	Available
Acrobat Reader DC	Acrobat Reader DC	RDSFARM	20.12.20043.396433	Adobe Systems Incorporated				Disabled	Available
Calculator	Calculator	RDSFARM	10.0.17763.771	Microsoft Corporation				Disabled	Available
Command Prompt	Command Prompt	RDSFARM	10.0.17763.1	Microsoft Corporation				Disabled	Available
Excel	Excel	RDSFARM	16.0.10361.20002	Microsoft Corporation				Disabled	Available
Google Chrome	Google Chrome	RDSFARM	85.0.4183.83	Google LLC				Disabled	Available
Internet Explorer	Internet Explorer	RDSFARM	11.00.17763.1	Microsoft Corporation				Disabled	Available
Internet Explorer-1	Internet Explorer	RDSFARM	11.00.17763.1	Microsoft Corporation				Disabled	Available
Microsoft Edge	Microsoft Edge	RDSFARM	85.0.564.44	Microsoft Corporation				Disabled	Available
Notepad	Notepad	RDSFARM	10.0.17763.1	Microsoft Corporation				Disabled	Available
OneNote 2016	OneNote 2016	RDSFARM	16.0.10361.20002	Microsoft Corporation				Disabled	Available
Outlook	Outlook	RDSFARM	16.0.10361.20002	Microsoft Corporation				Disabled	Available
Paint	Paint	RDSFARM	10.0.17763.1	Microsoft Corporation				Disabled	Available
PowerPoint	PowerPoint	RDSFARM	16.0.10361.20002	Microsoft Corporation				Disabled	Available
Skype for Business	Skype for Business	RDSFARM	16.0.10361.20002	Microsoft Corporation				Disabled	Available
Skype for Business Recording Manager	Skype for Business Recording Manager	RDSFARM	16.0.10361.20002	Microsoft Corporation				Disabled	Available
Snipping Tool	Snipping Tool	RDSFARM	10.0.17763.1	Microsoft Corporation				Disabled	Available
WinRAR	WinRAR	RDSFARM	5.0.8	Alexander Roshal				Disabled	Available
Windows PowerShell x86	Windows PowerShell (x86)	RDSFARM	10.0.17763.1	Microsoft Corporation				Disabled	Available
Word	Word	RDSFARM	16.0.10361.20002	Microsoft Corporation				Disabled	Available
WordPad	WordPad	RDSFARM	10.0.17763.1075	Microsoft Corporation				Disabled	Available

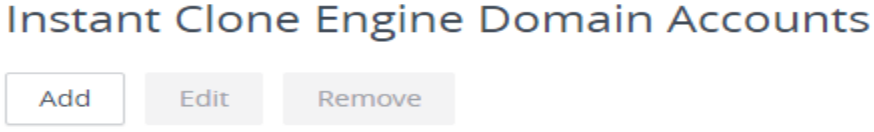
Open Horizon Client from a workstation – Login to Connection Server – You will see the list of application in the pool ready for use.

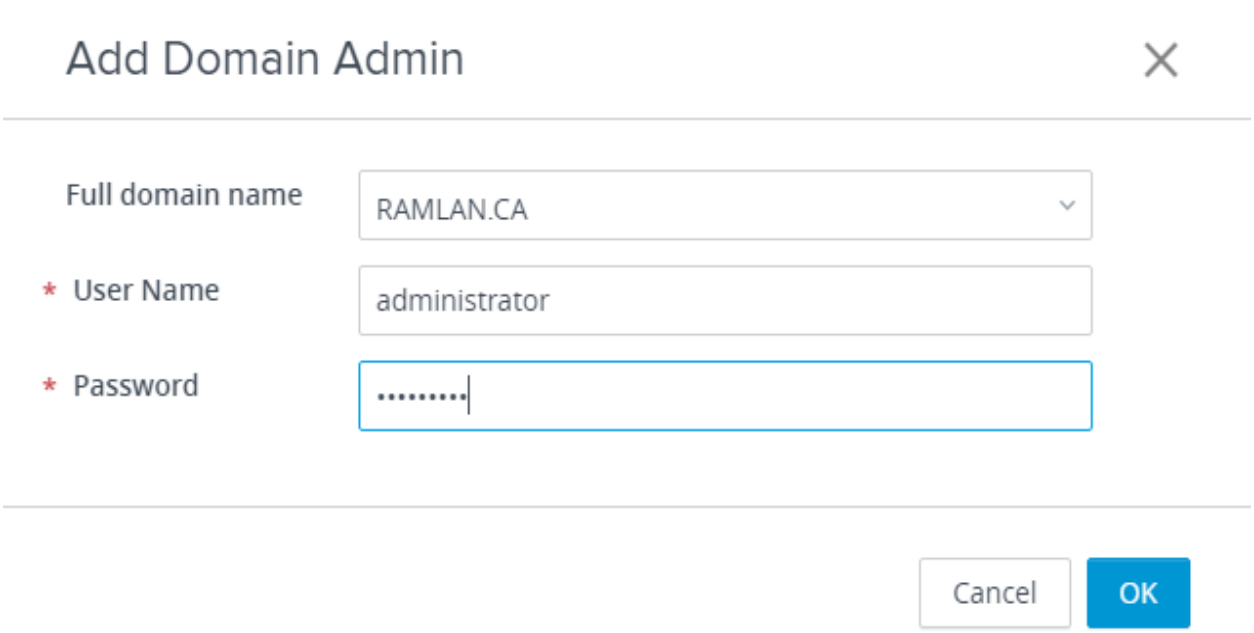


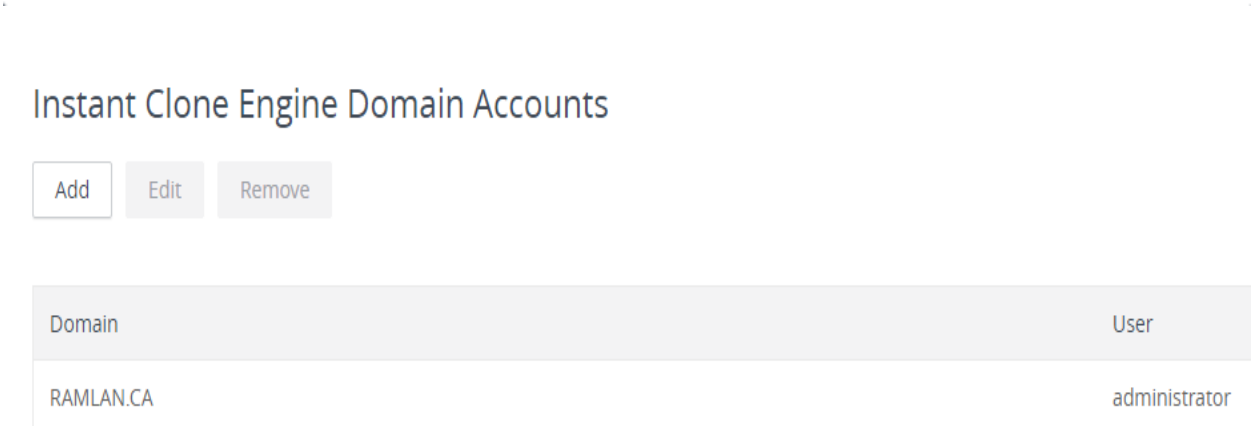


Instant Clone Domain Accounts:



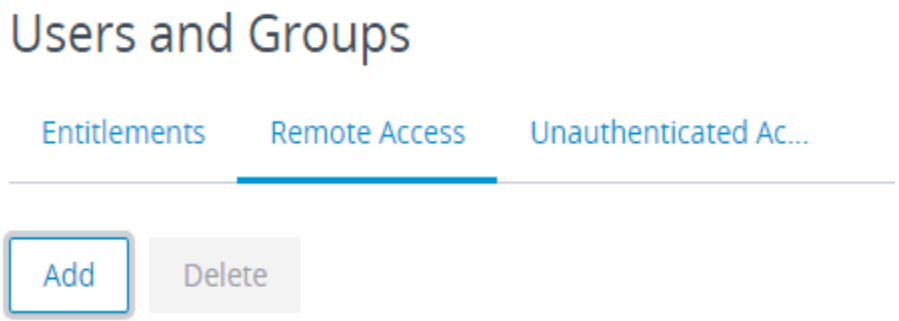






Restrict Remote Access:

The **Users and Groups** node has a **Remote Access** tab. If you add groups or users to this tab, then only these groups and users can login through Unified Access Gateway (UAG).



Find User or Group

Type: ☐ Users ☑ Groups

Domain: Entire Directory

Name/User Name: Contains — domain users

Description: Contains

Find

Name	User Name	Email	Description	In Folder
Domain Users	Domain Users/RAMLAN.CA		All domain users	RAMLAN.CA/Users

« « 1 » »

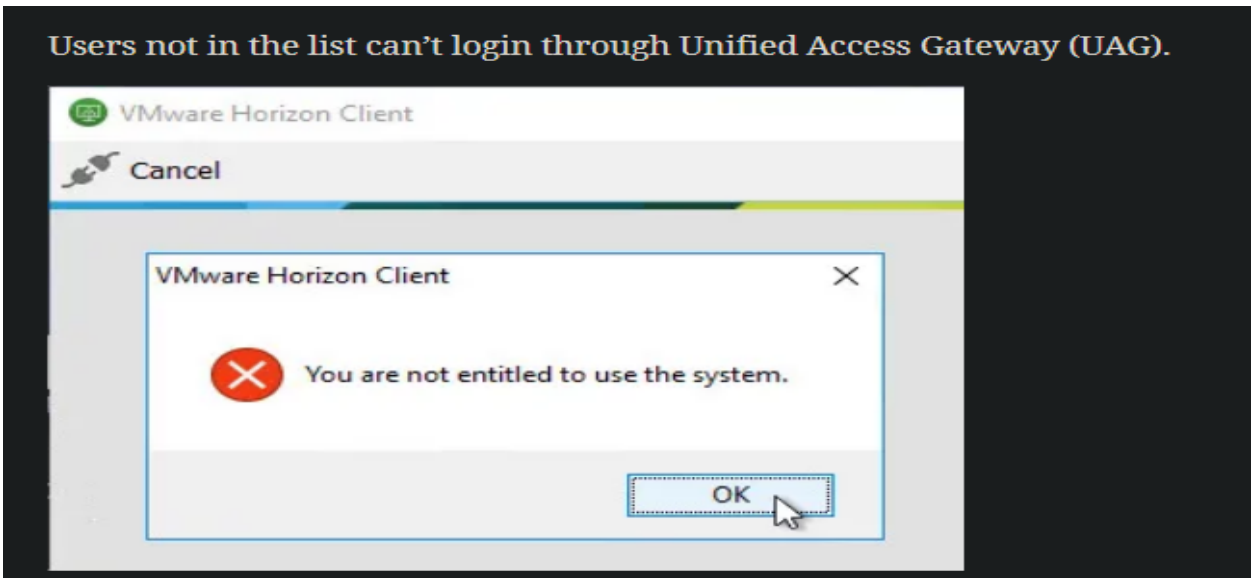
Users and Groups

Entitlements | Remote Access | Unauthenticated Ac...

Add | Delete

Filter

User Name	Domains	Group	Email
Administrator	RAMLAN.CA	false	Administrator@ramlan.ca
Ram	RAMLAN.CA	false	ram@ramlan.ca
Domain Users	RAMLAN.CA	true	

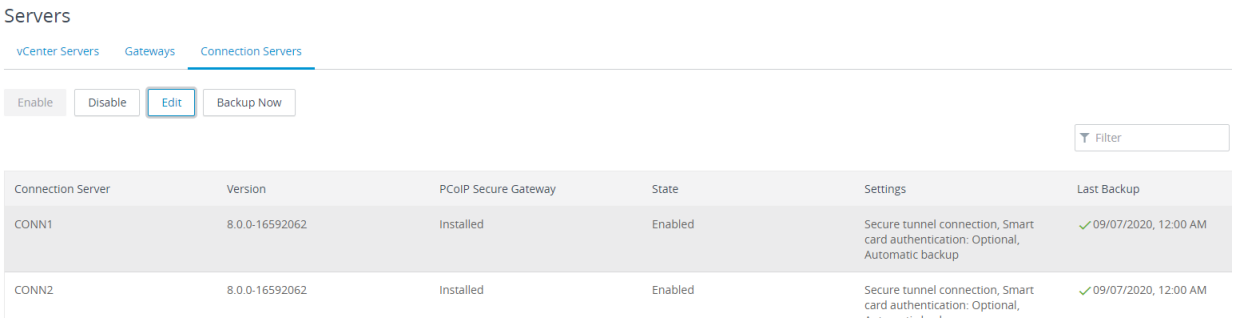


Disable Secure Tunnel:

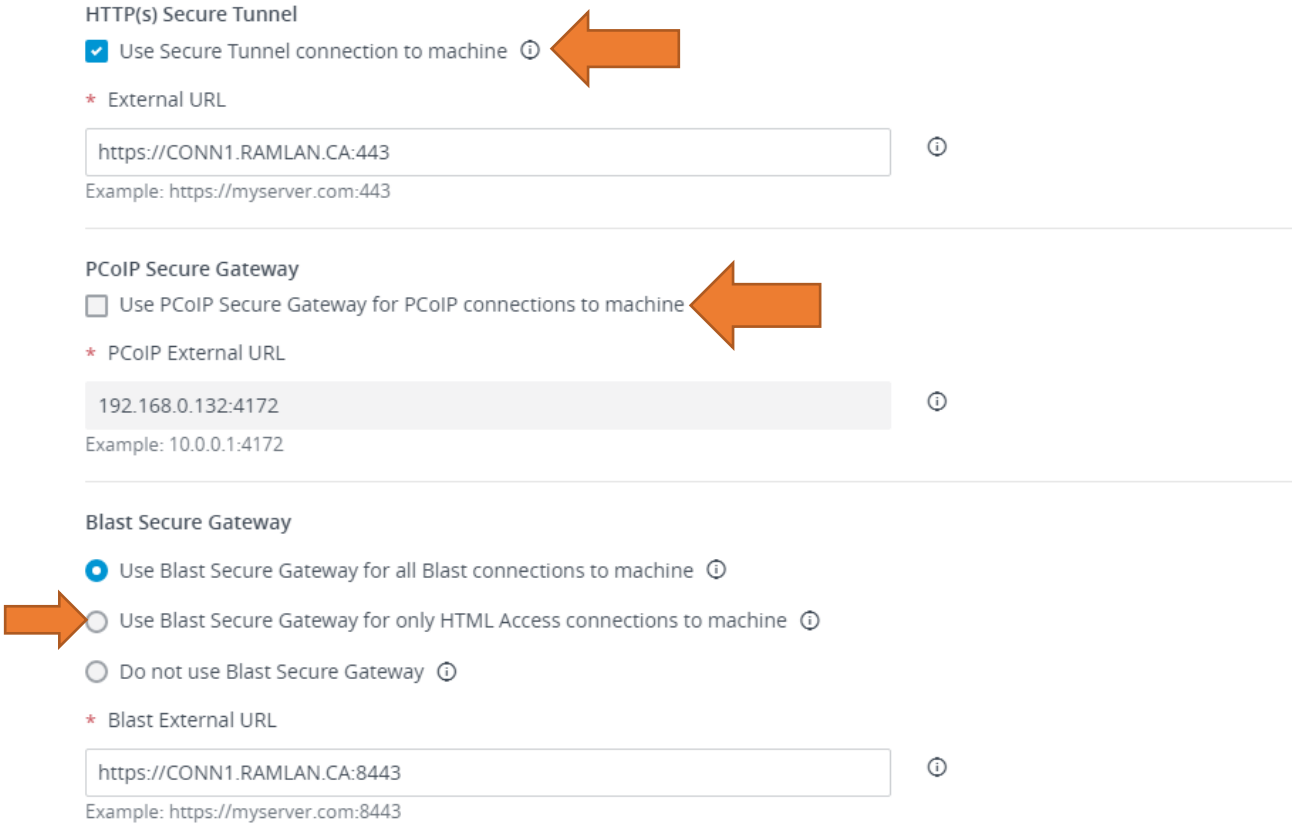
By default, internal Horizon Clients connect to Horizon Agents by tunneling (proxying) Blast or PCoIP through a Horizon Connection Server. It would be more efficient if the internal Horizon Clients connect directly to the Horizon Agents instead of going through a Connection Server.

- If the tunnels are enabled, and if you reboot the Connection Server, then user connections will drop.
- If the tunnels are disabled, then rebooting the Connection Server will not affect existing connections.

Select the server – Click Edit

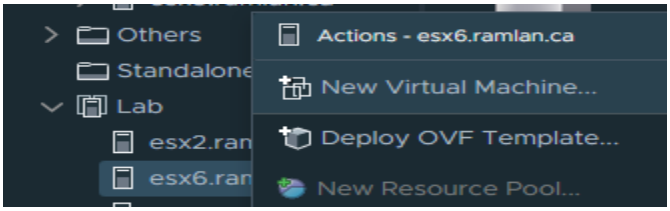


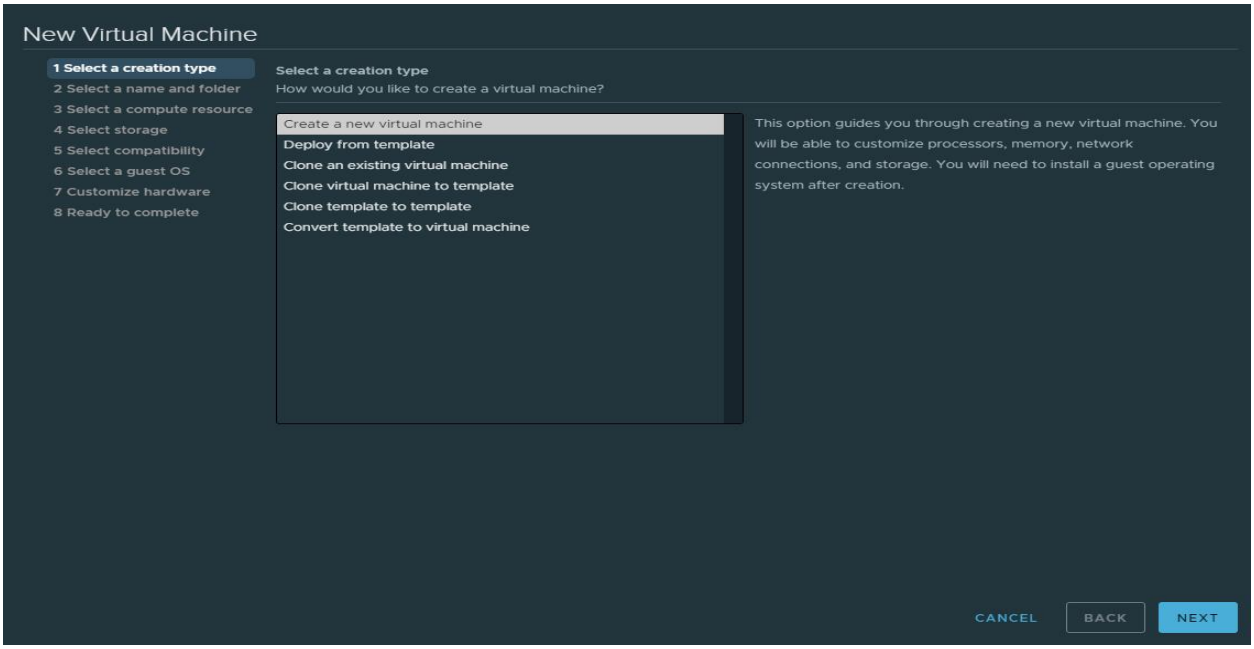
On the *General* tab, uncheck the boxes next to **HTTP(S) Secure Tunnel** and the **PCoIP Secure Gateway**. For Blast Secure Gateway, change it to **Use Blast Secure Gateway for only HTML Access connections to machine**. Click **OK**.

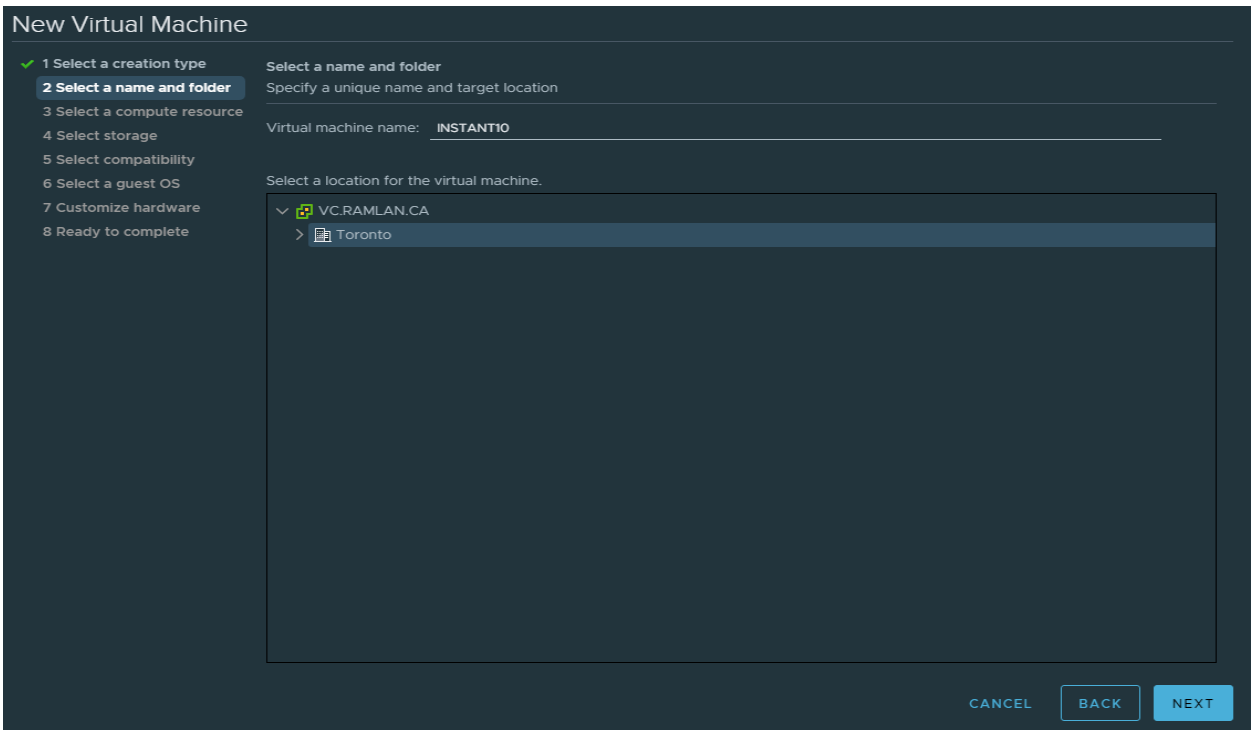


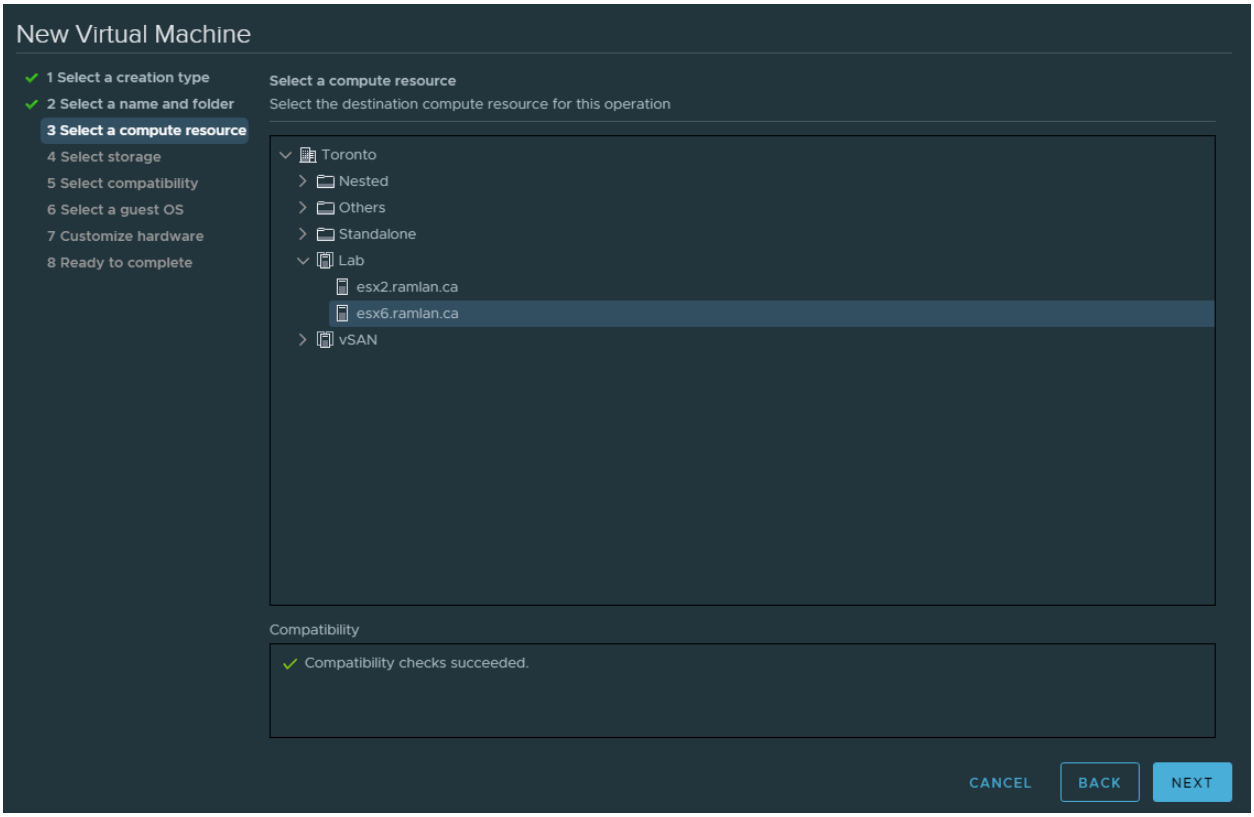
Master Image – Windows 10 x64 – For Instant Clone & Linked Clone:

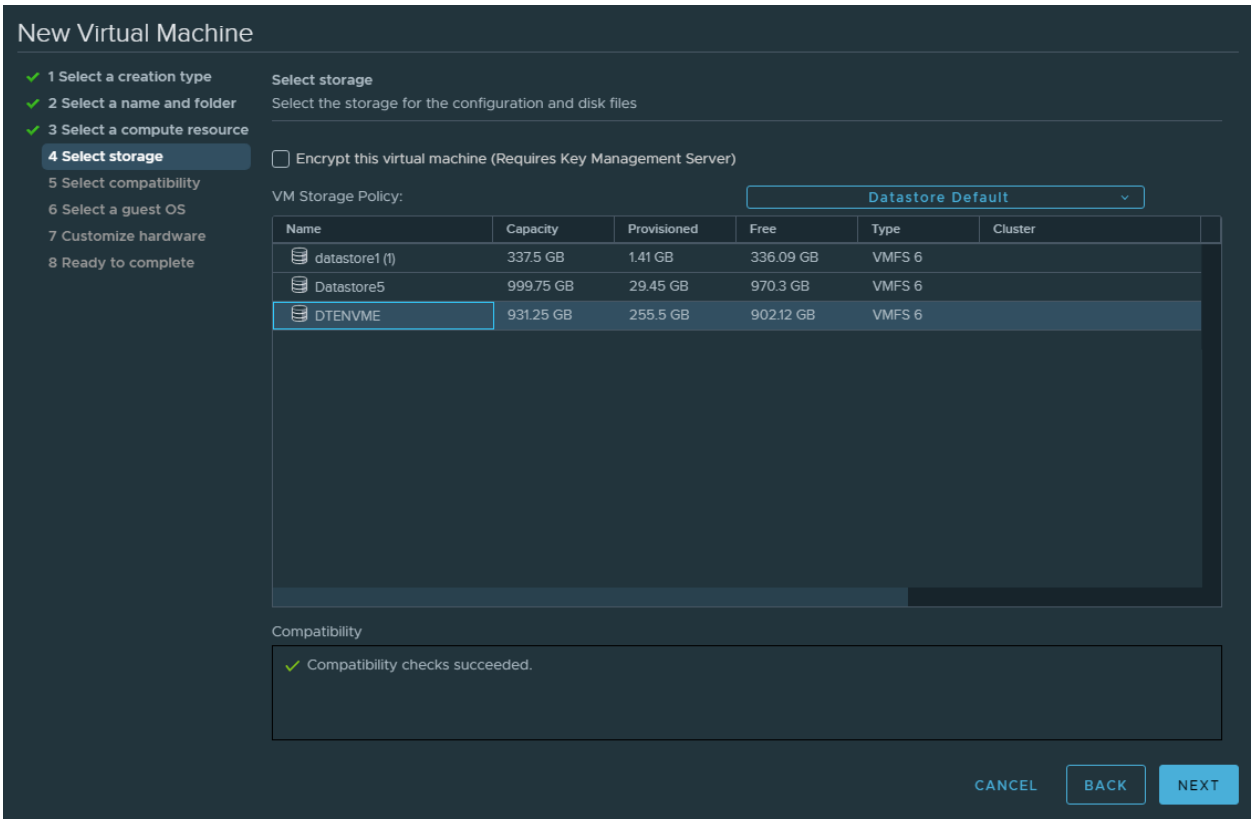
We will create a master image for Instant Clone & Linked Clone. The workstation name will be INSTANT10 + LINKED10

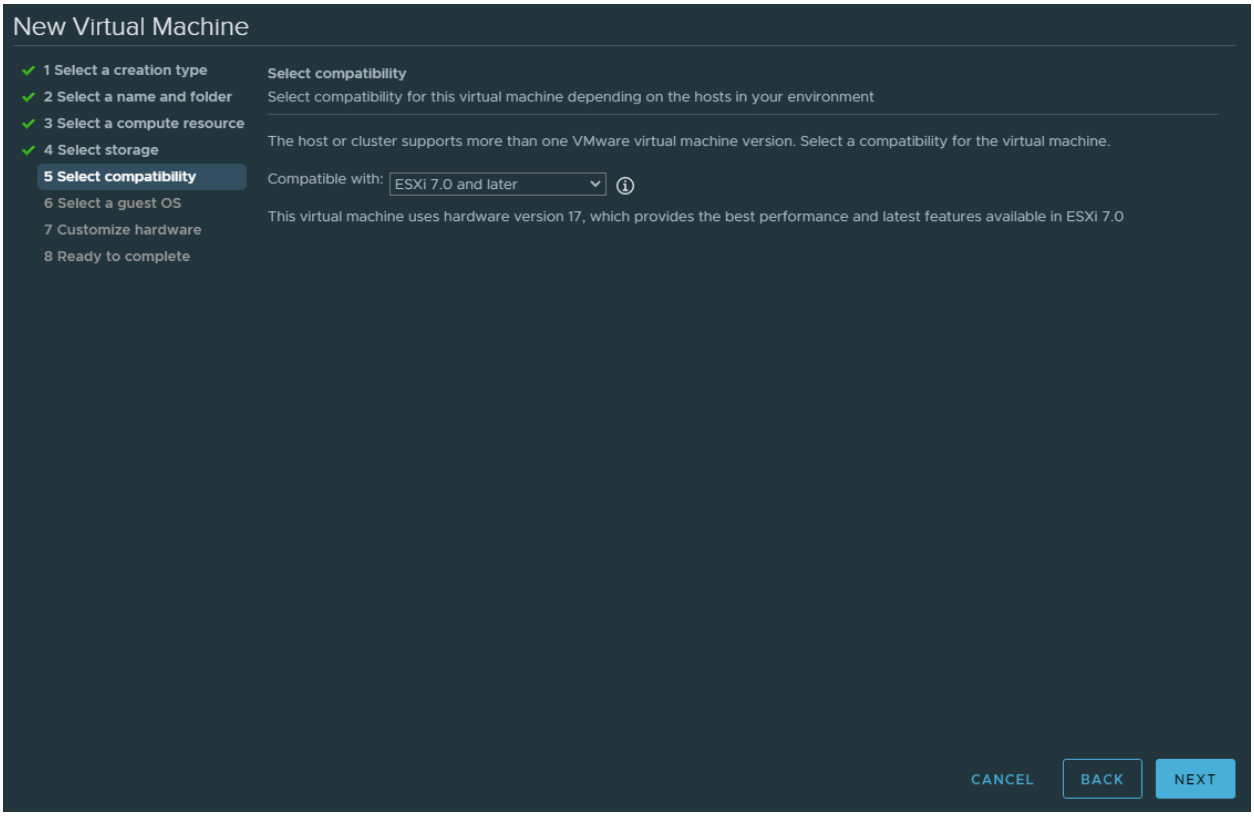


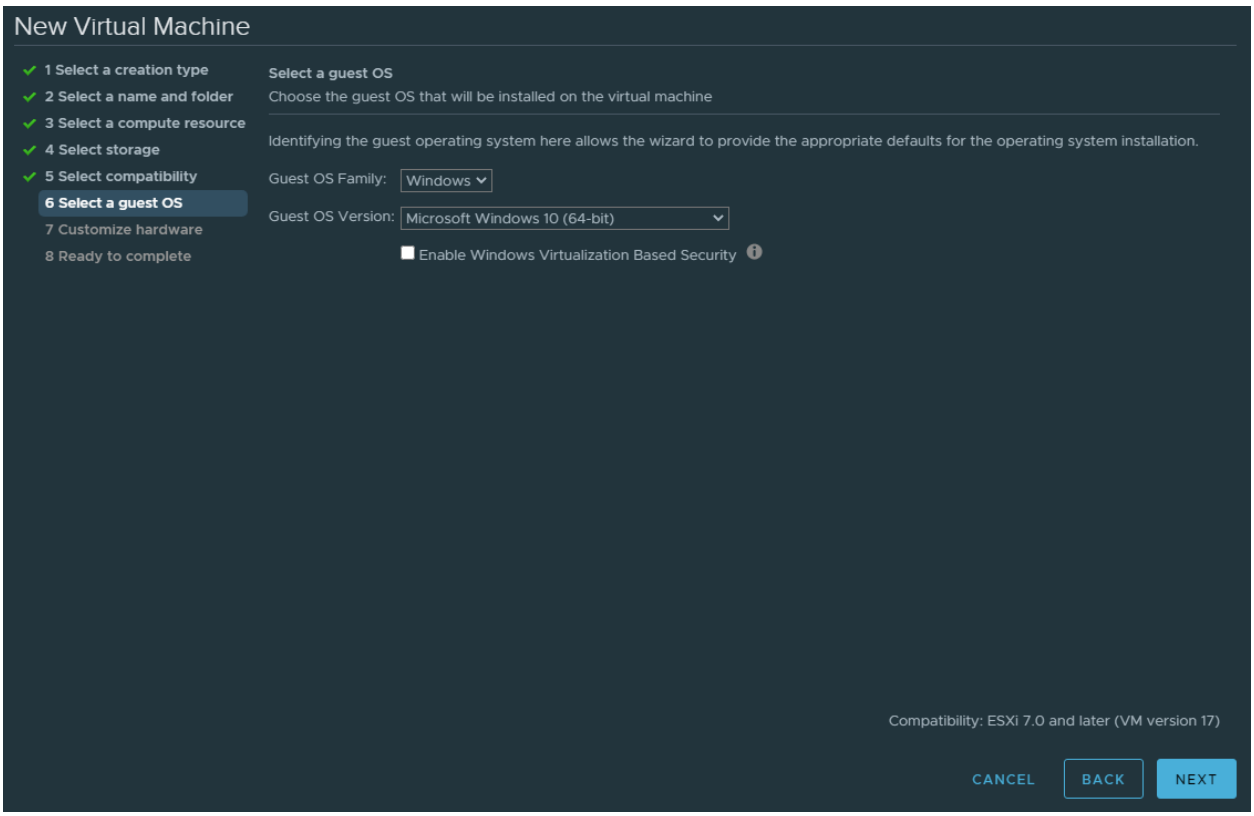




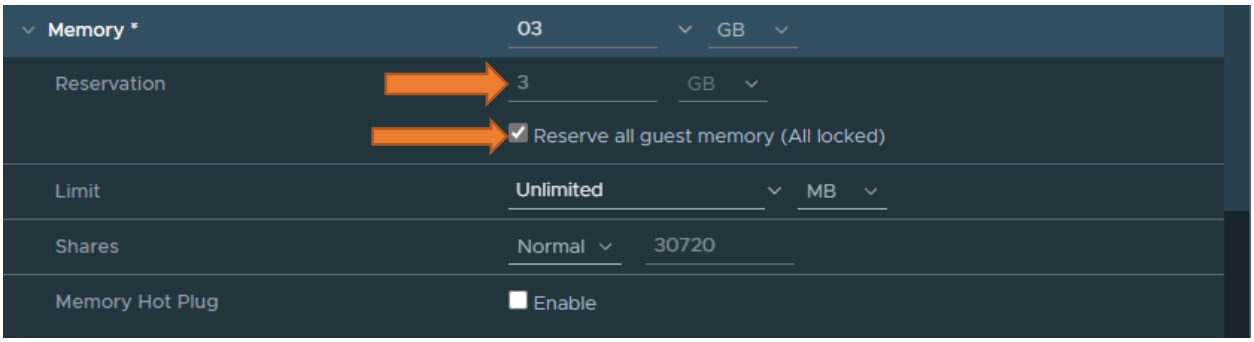

New Virtual Machine
1 Select a creation type
2 Select a name and folder
3 Select a compute resource
4 Select storage
5 Select compatibility
6 Select a guest OS
7 Customize hardware
8 Ready to complete
Select a compute resource
Select the destination compute resource for this operation
Toronto
Nested
Others
Standalone
Lab
esx2.ramlan.ca
esx6.ramlan.ca
vSAN
Compatibility
Compatibility checks succeeded.
CANCEL
BACK
NEXT

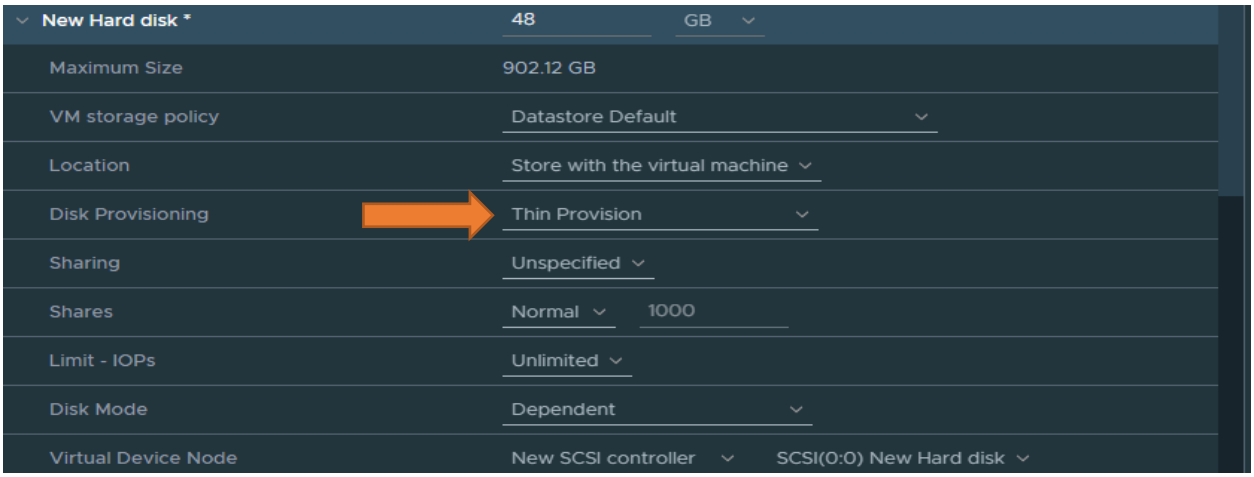

New Virtual Machine
1 Select a creation type
2 Select a name and folder
3 Select a compute resource
4 Select storage
5 Select compatibility
6 Select a guest OS
7 Customize hardware
8 Ready to complete
Select storage
Select the storage for the configuration and disk files
Encrypt this virtual machine (Requires Key Management Server)
VM Storage Policy:
Datastore Default
Name
Capacity
Provisioned
Free
Type
Cluster
datastore1 (1)
337.5 GB
1.41 GB
336.09 GB
VMFS 6
Datastore5
999.75 GB
29.45 GB
970.3 GB
VMFS 6
DTENVME
931.25 GB
255.5 GB
902.12 GB
VMFS 6
Compatibility
Compatibility checks succeeded.
CANCEL
BACK
NEXT

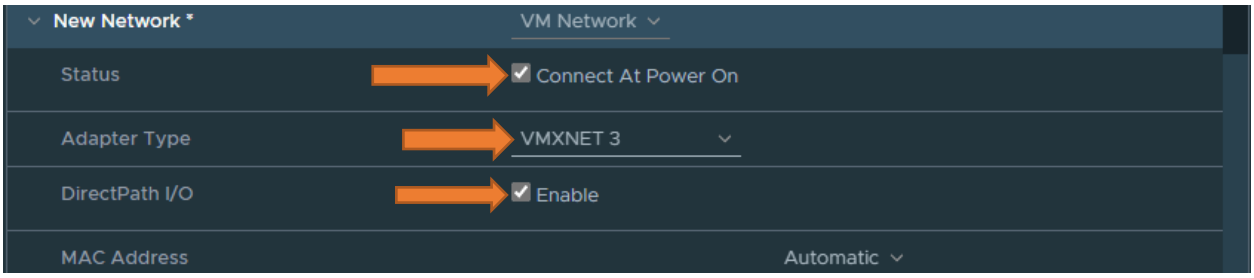

New Virtual Machine
1 Select a creation type
2 Select a name and folder
3 Select a compute resource
4 Select storage
5 Select compatibility
6 Select a guest OS
7 Customize hardware
8 Ready to complete
Select compatibility
Select compatibility for this virtual machine depending on the hosts in your environment
The host or cluster supports more than one VMware virtual machine version. Select a compatibility for the virtual machine.
Compatible with: ESXi 7.0 and later
This virtual machine uses hardware version 17, which provides the best performance and latest features available in ESXi 7.0
CANCEL
BACK
NEXT

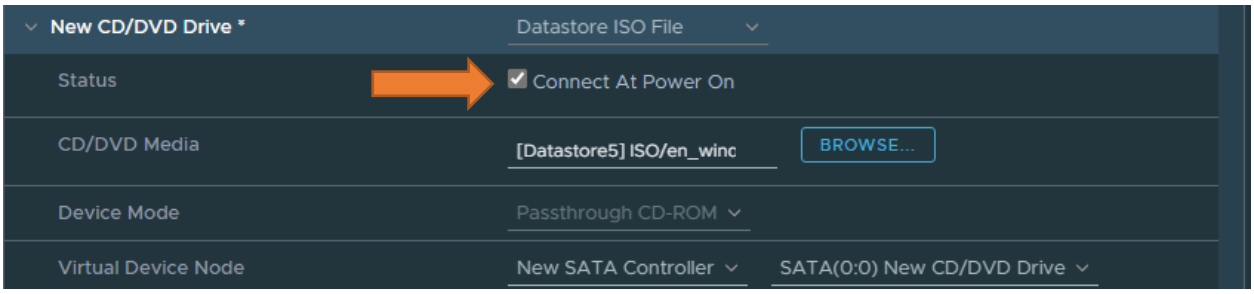

New Virtual Machine
1 Select a creation type
2 Select a name and folder
3 Select a compute resource
4 Select storage
5 Select compatibility
6 Select a guest OS
7 Customize hardware
8 Ready to complete
Select a guest OS
Choose the guest OS that will be installed on the virtual machine
Identifying the guest operating system here allows the wizard to provide the appropriate defaults for the operating system installation.
Guest OS Family: Windows
Guest OS Version: Microsoft Windows 10 (64-bit)
Enable Windows Virtualization Based Security
Compatibility: ESXi 7.0 and later (VM version 17)
CANCEL
BACK
NEXT

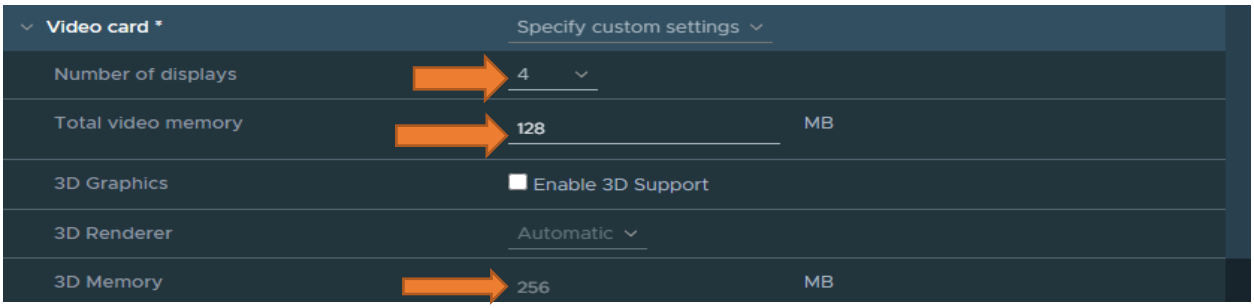
Below are some of the hardware customization

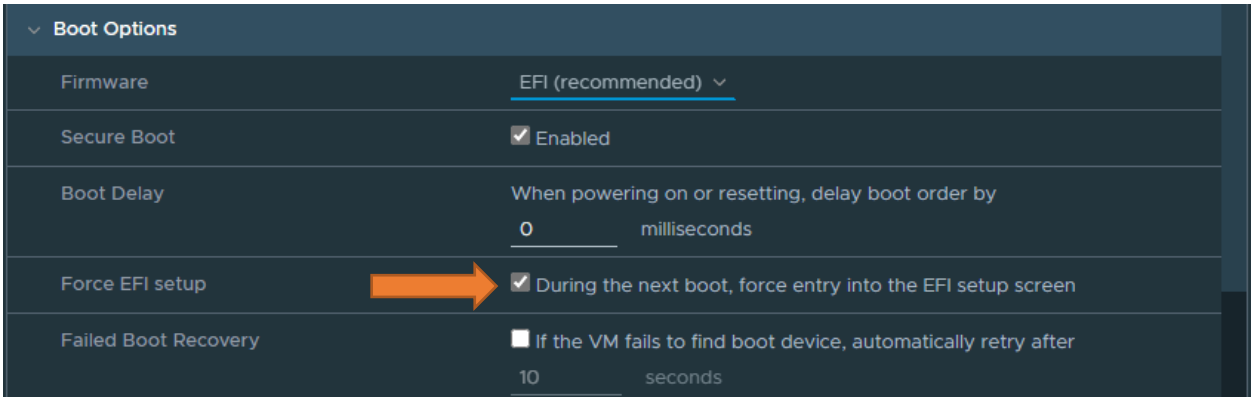


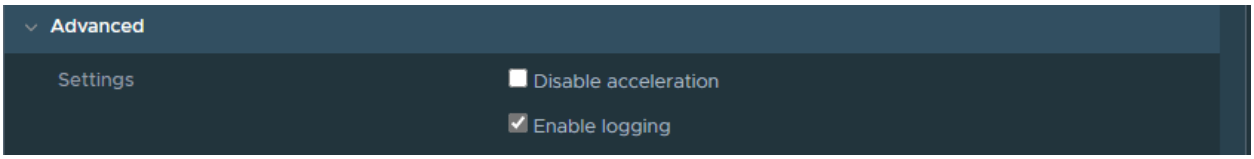


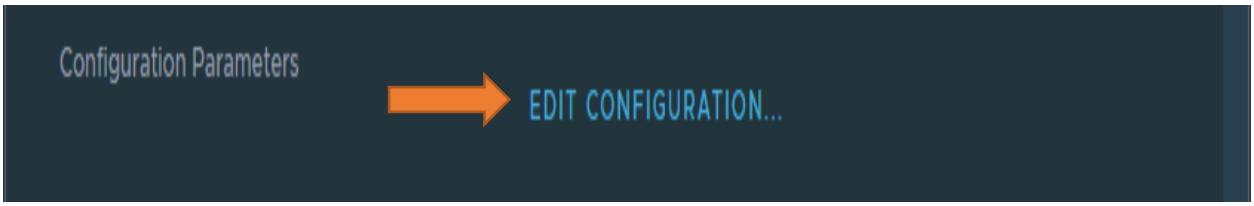


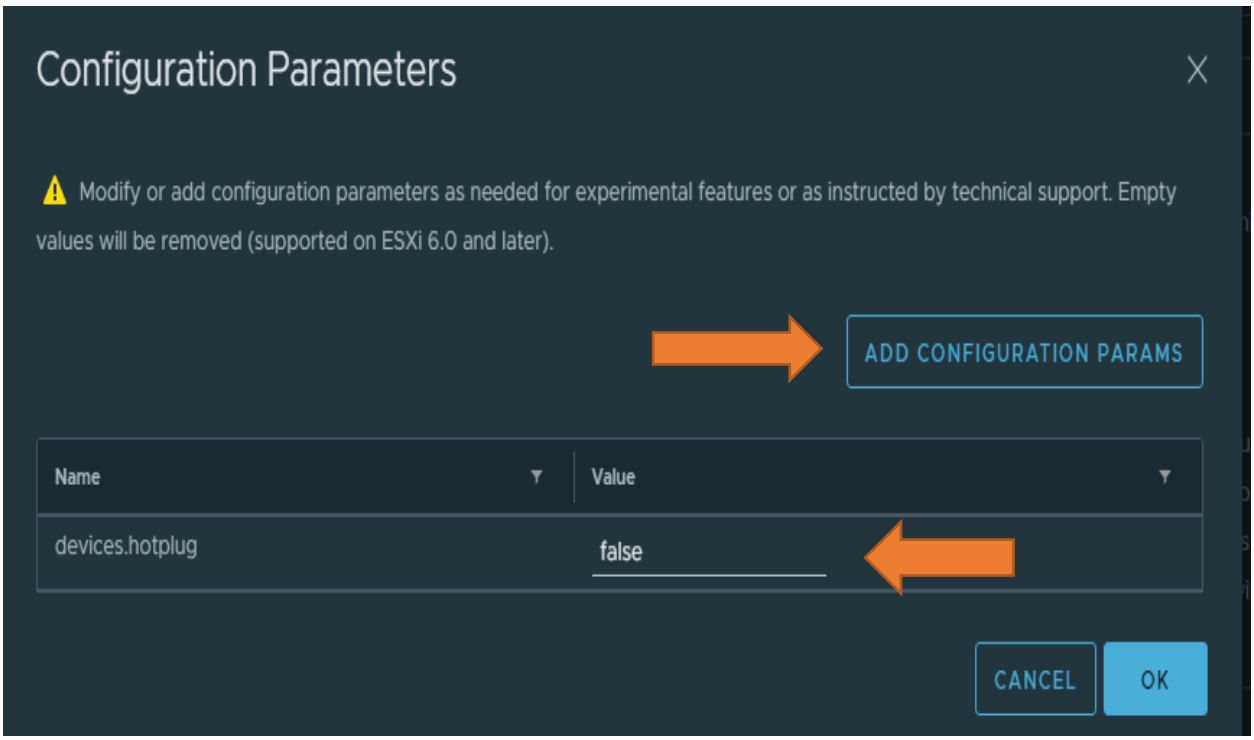




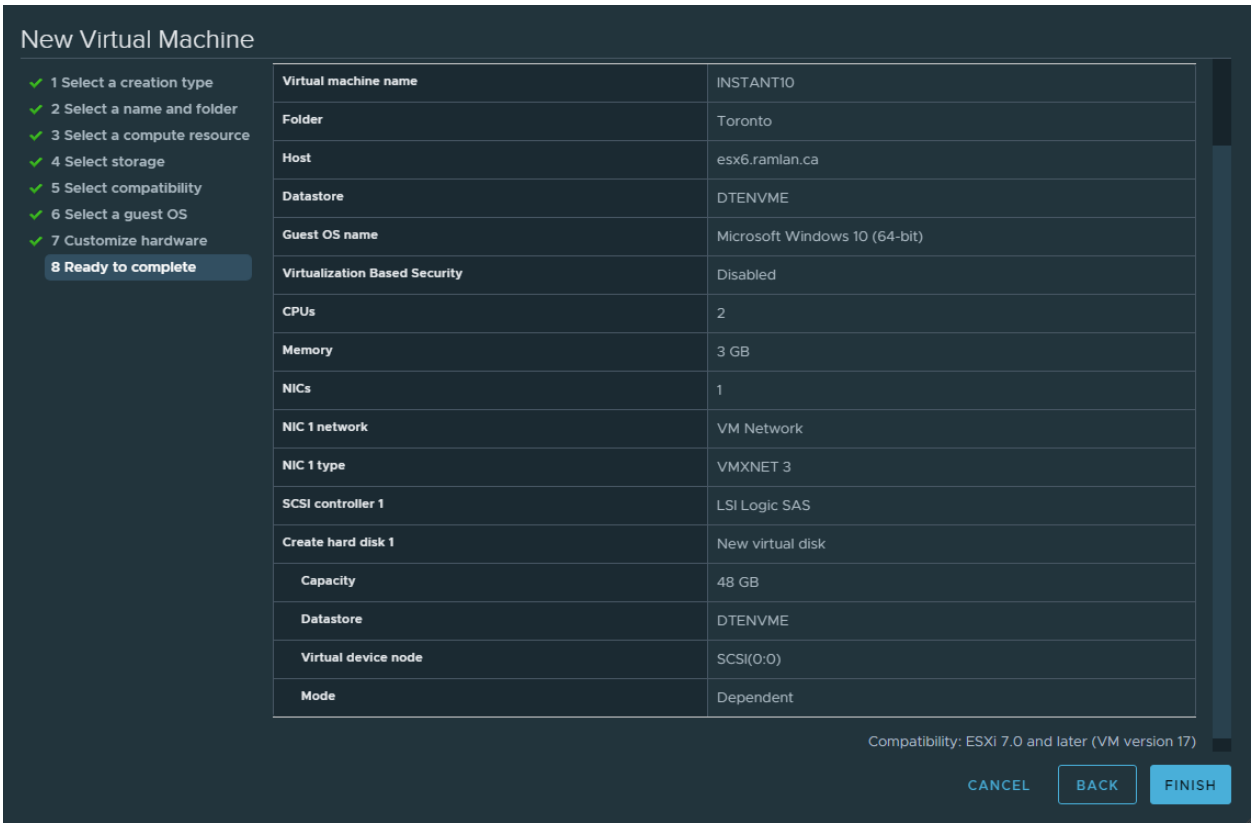

Boot Options
Firmware
EFI (recommended)
Secure Boot
Enabled
Boot Delay
When powering on or resetting, delay boot order by
0
milliseconds
Force EFI setup
During the next boot, force entry into the EFI setup screen
Failed Boot Recovery
If the VM fails to find boot device, automatically retry after
10
seconds

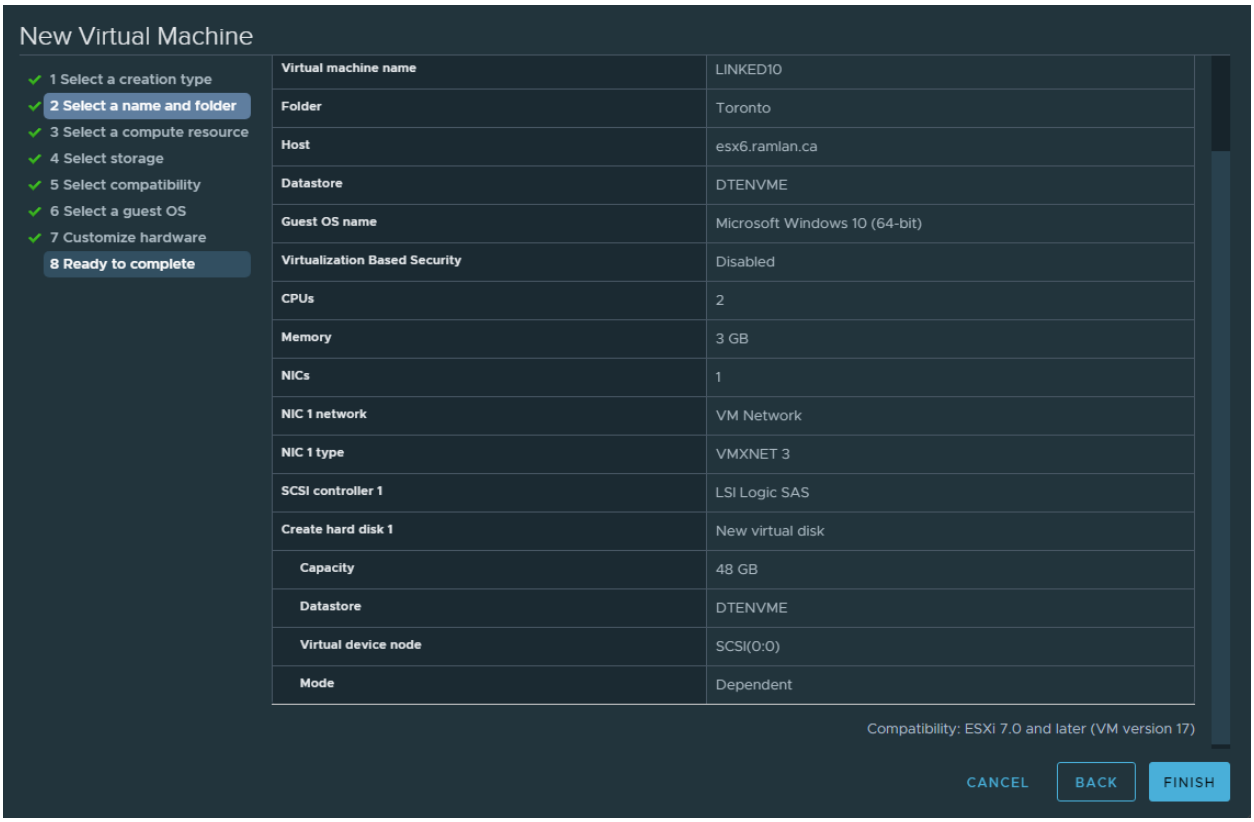

Advanced
Settings
Disable acceleration
Enable logging


Configuration Parameters
EDIT CONFIGURATION...

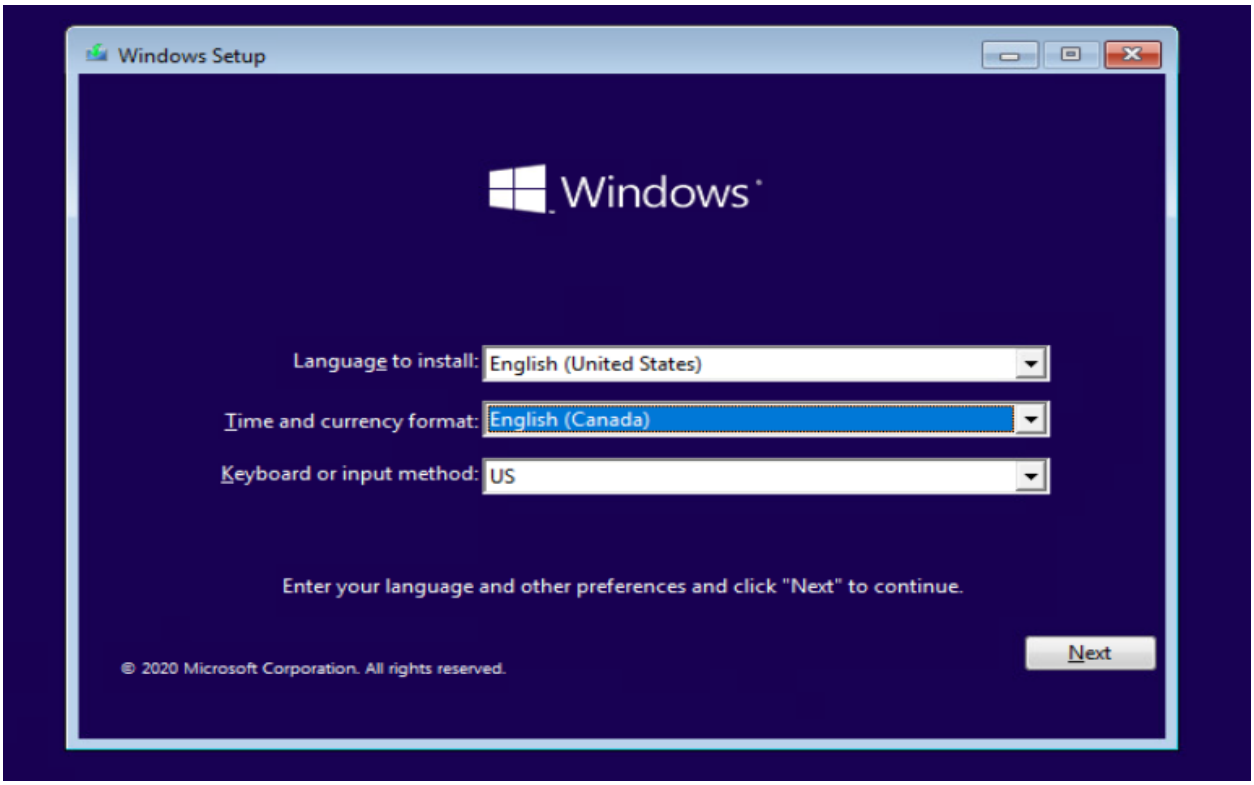

Configuration Parameters
Modify or add configuration parameters as needed for experimental features or as instructed by technical support. Empty values will be removed (supported on ESXi 6.0 and later).
ADD CONFIGURATION PARAMS
Name
Value
devices.hotplug
false
CANCEL
OK

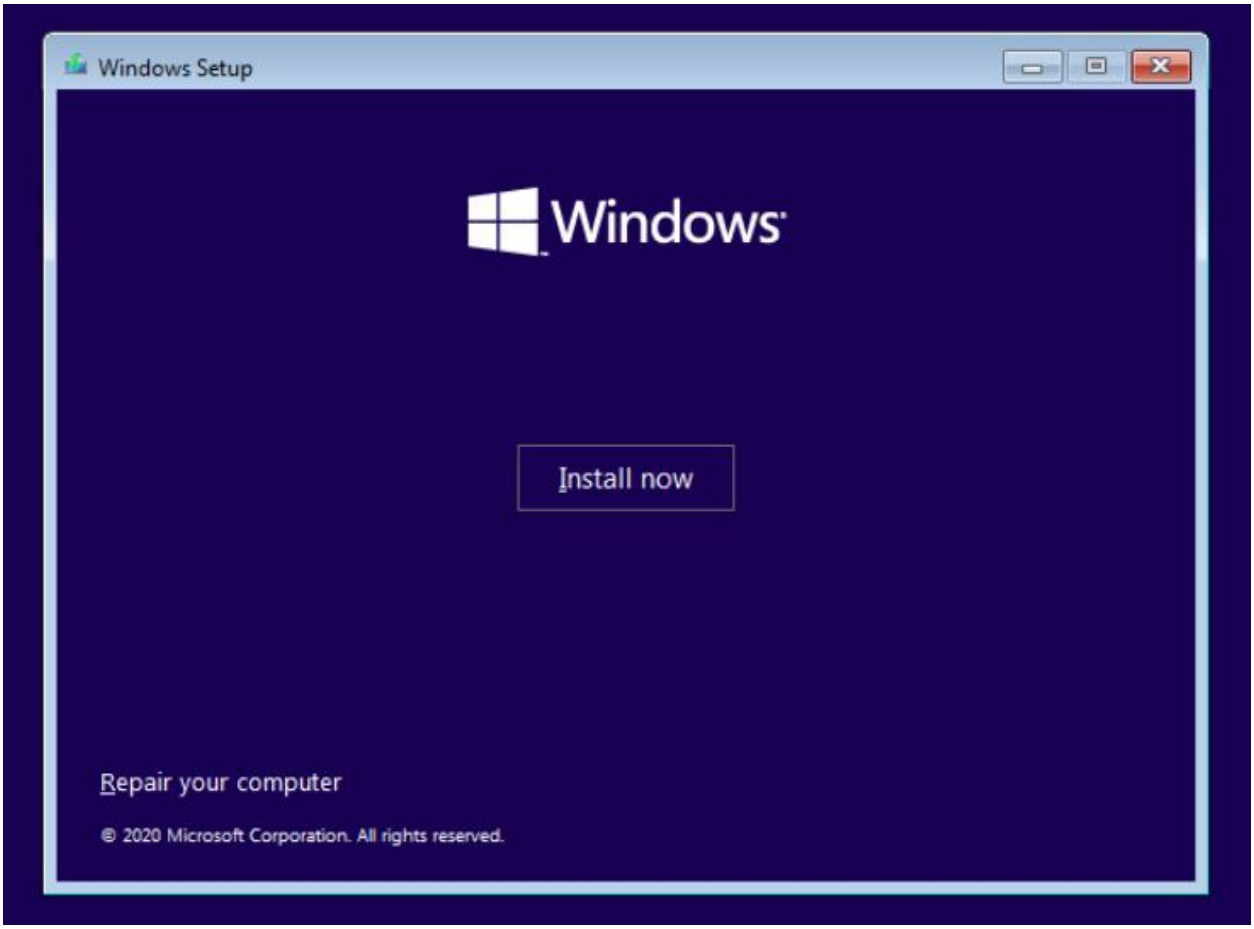
Below you see the completion for both master images (Instant & Linked Clone)

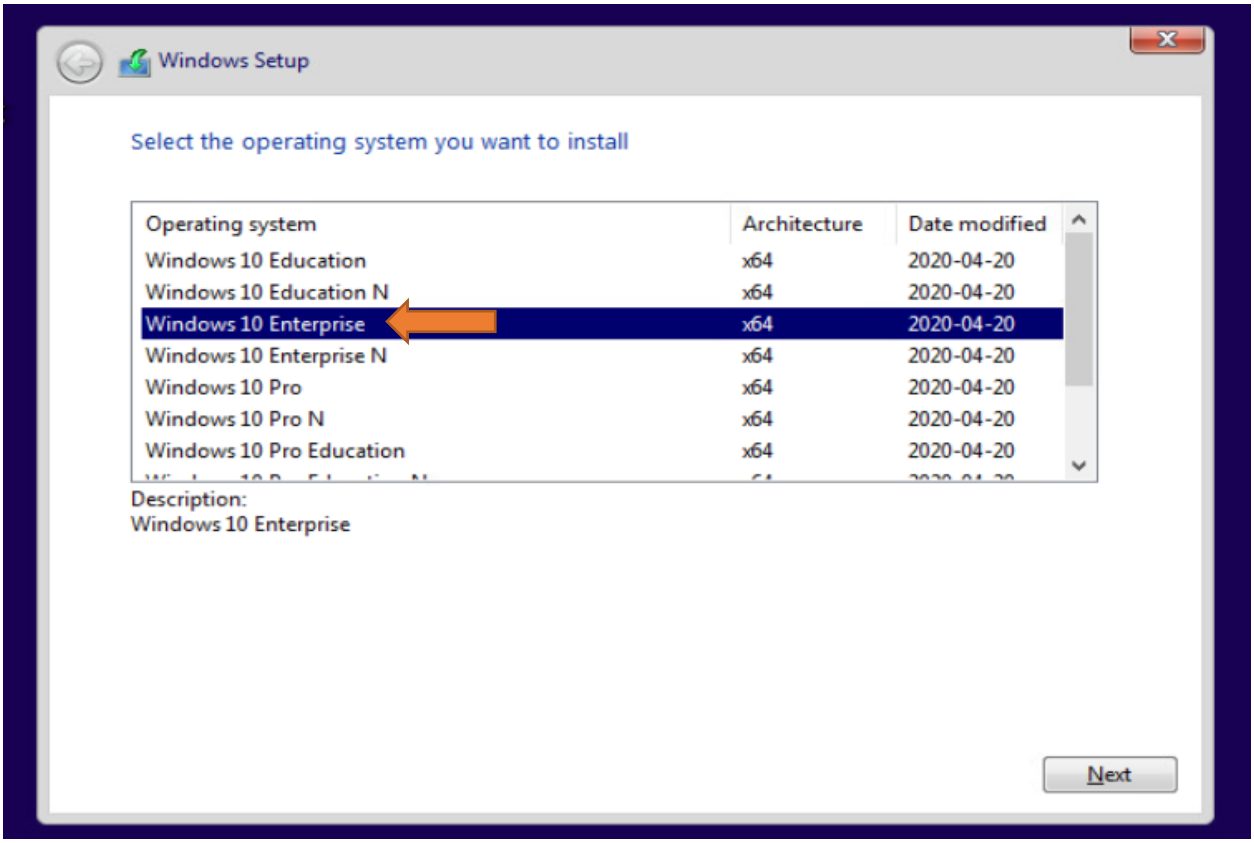


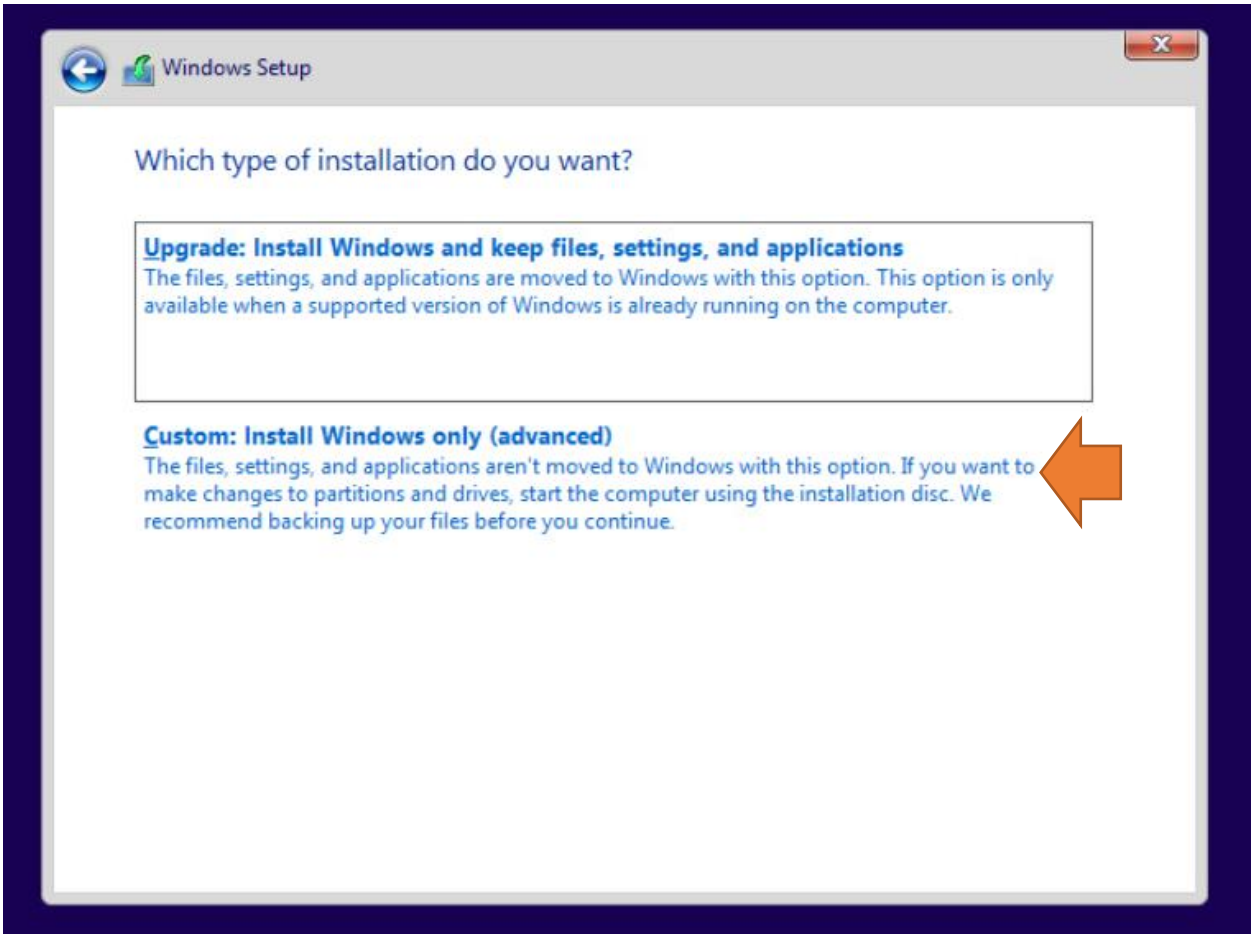


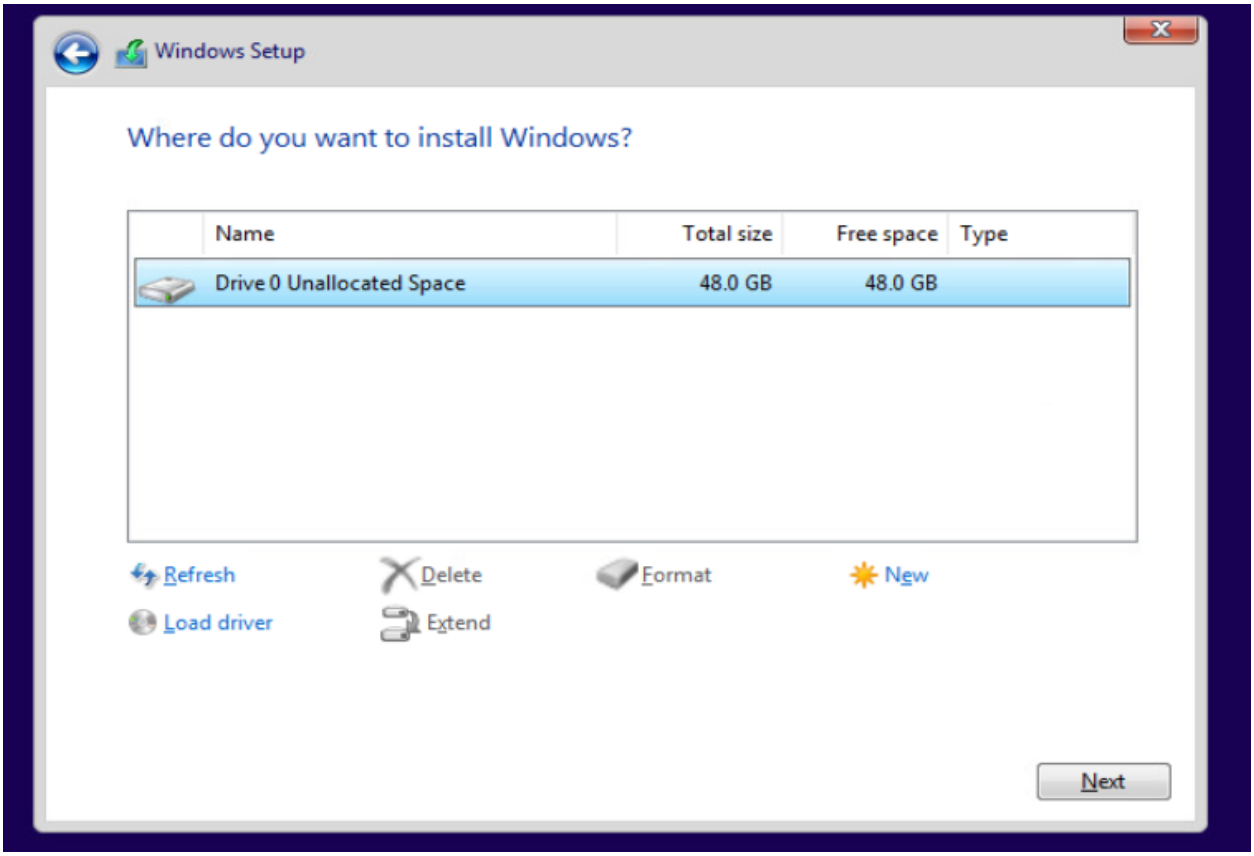
Now build the machine and we will do further customization after first login.

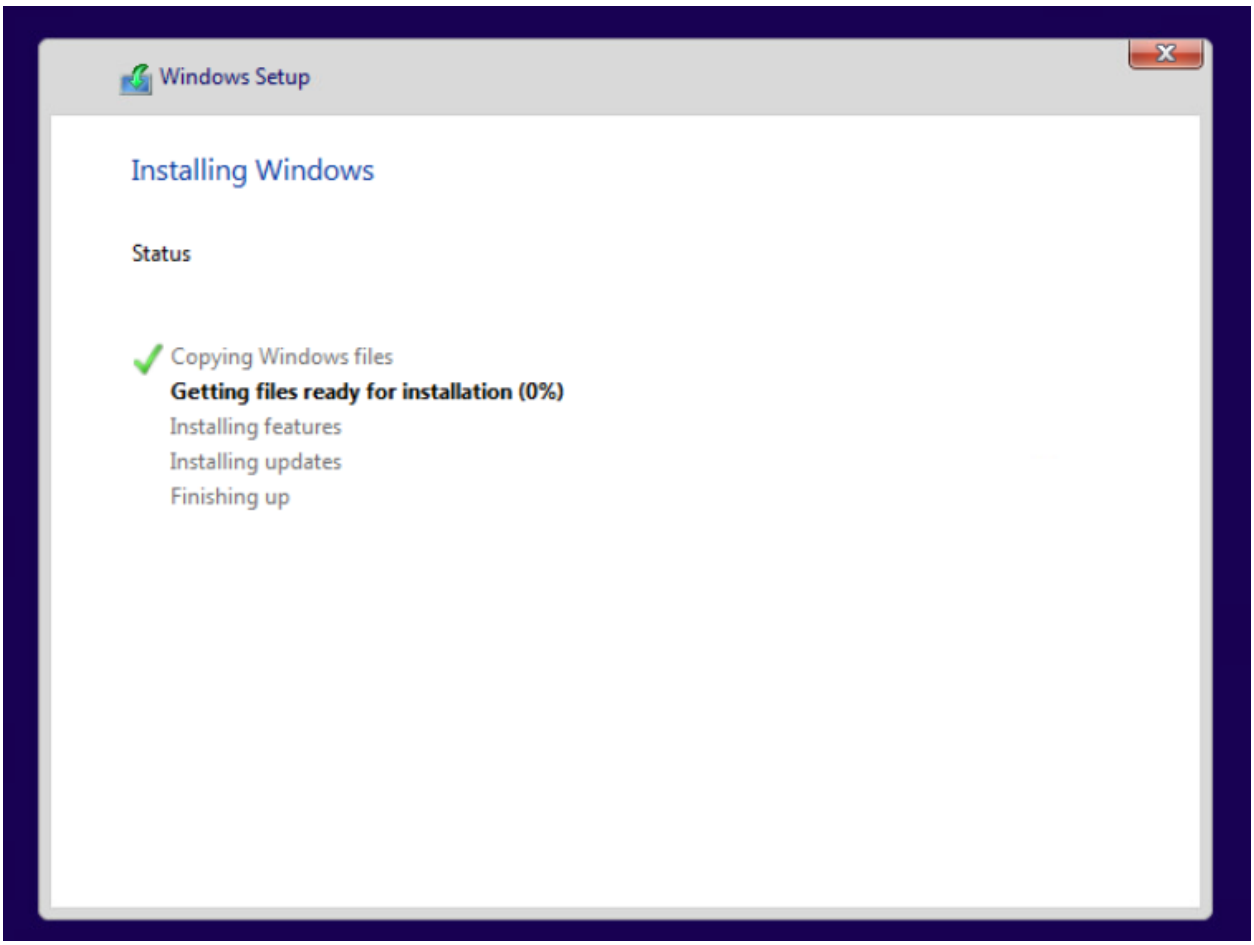


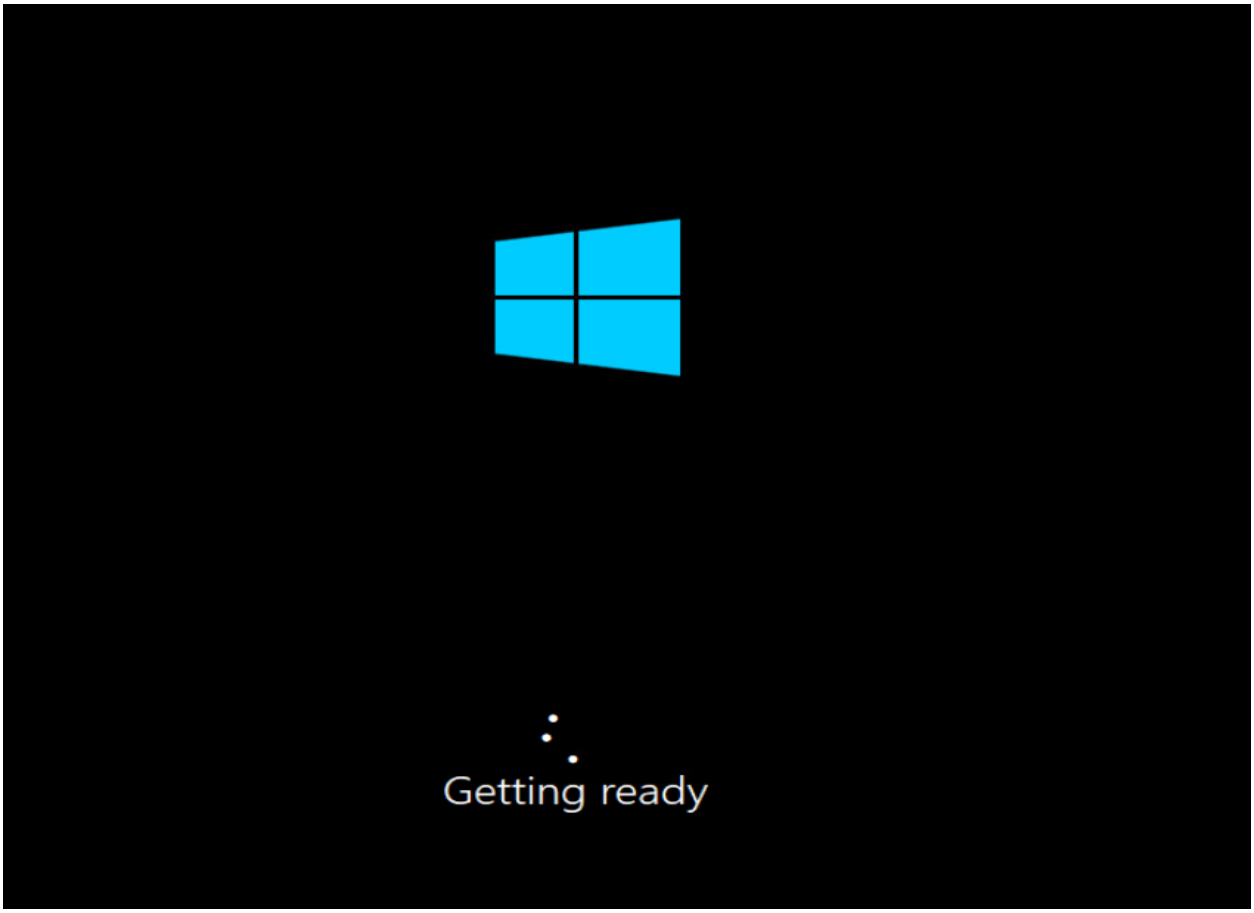


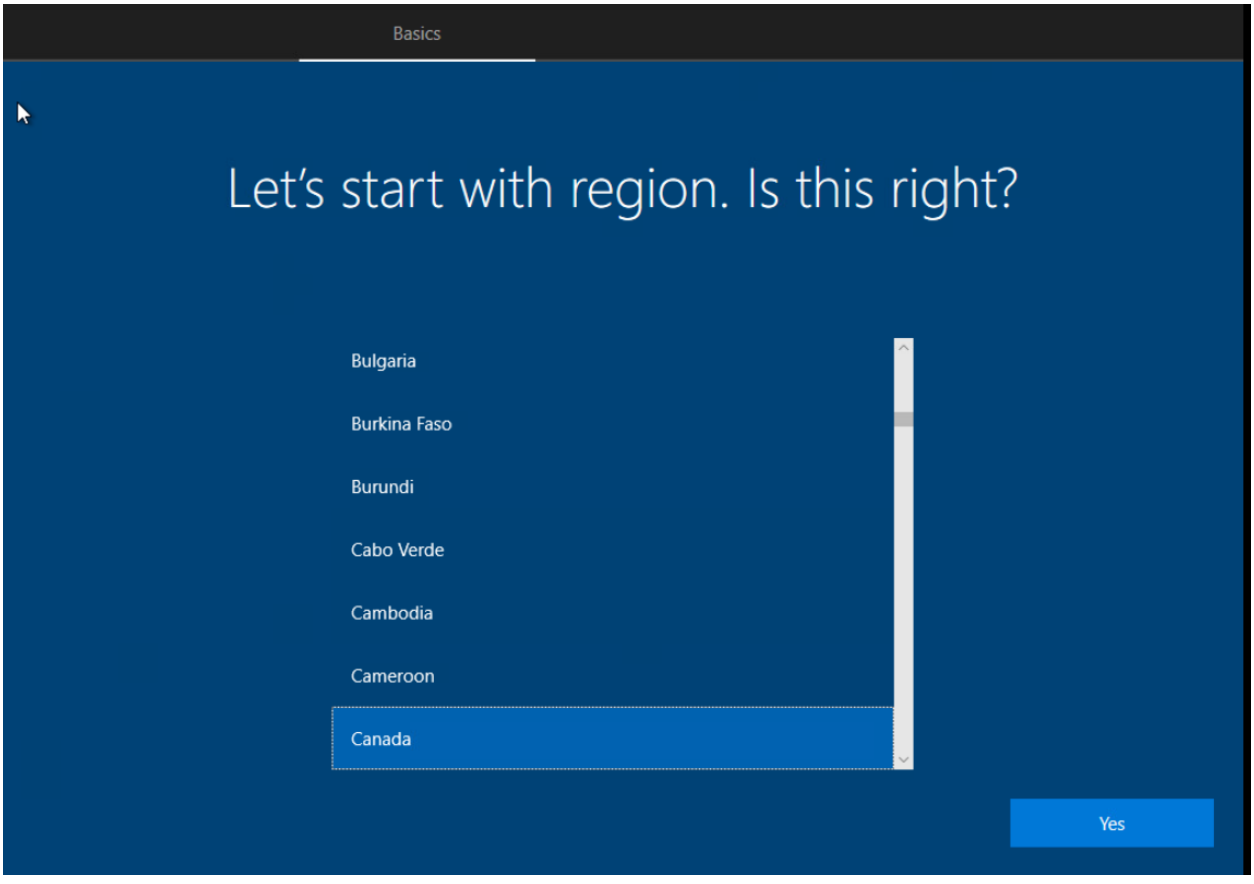

Windows Setup
Select the operating system you want to install
Operating system
Architecture
Date modified
Windows 10 Education
x64
2020-04-20
Windows 10 Education N
x64
2020-04-20
Windows 10 Enterprise
x64
2020-04-20
Windows 10 Enterprise N
x64
2020-04-20
Windows 10 Pro
x64
2020-04-20
Windows 10 Pro N
x64
2020-04-20
Windows 10 Pro Education
x64
2020-04-20
Description:
Windows 10 Enterprise
Next

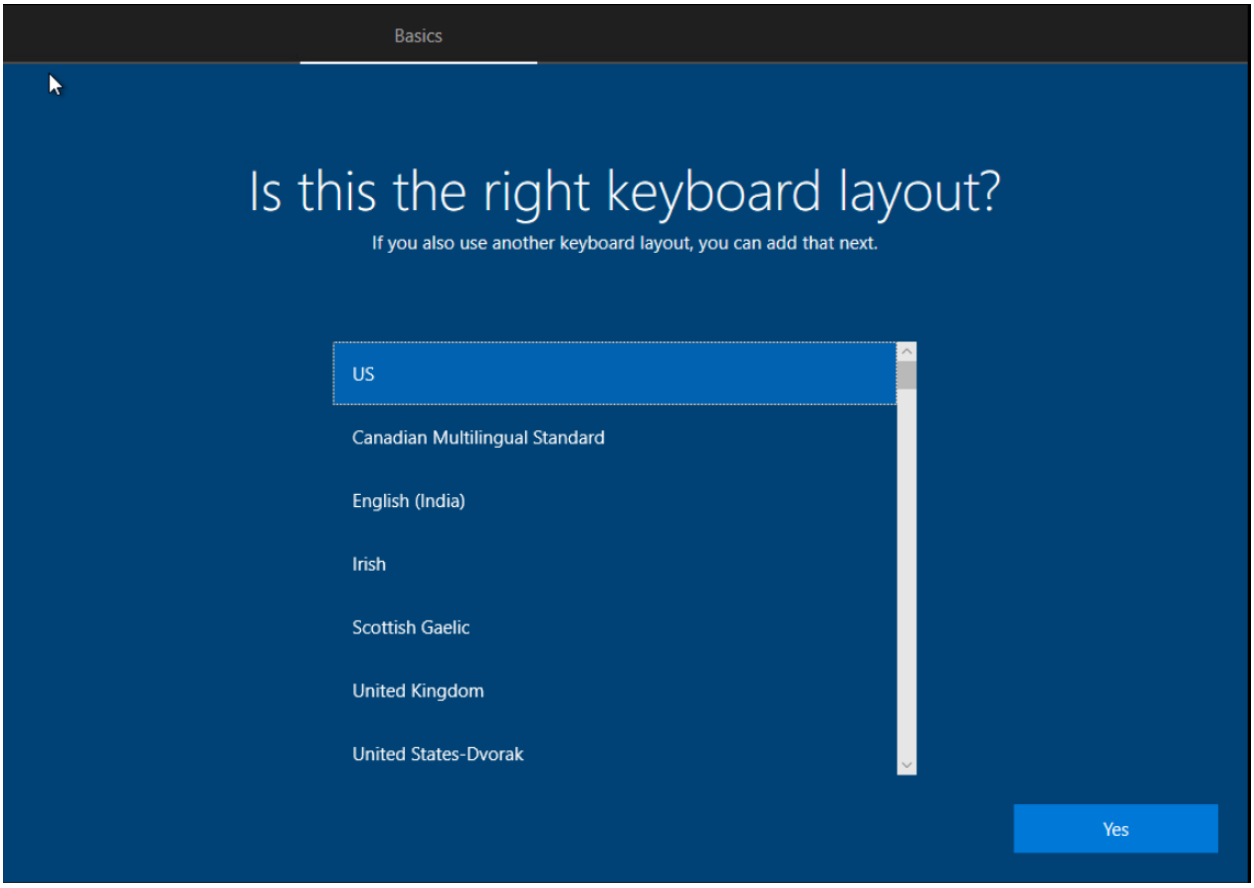

Windows Setup
Which type of installation do you want?
Upgrade: Install Windows and keep files, settings, and applications
The files, settings, and applications are moved to Windows with this option. This option is only available when a supported version of Windows is already running on the computer.
Custom: Install Windows only (advanced)
The files, settings, and applications aren't moved to Windows with this option. If you want to make changes to partitions and drives, start the computer using the installation disc. We recommend backing up your files before you continue.

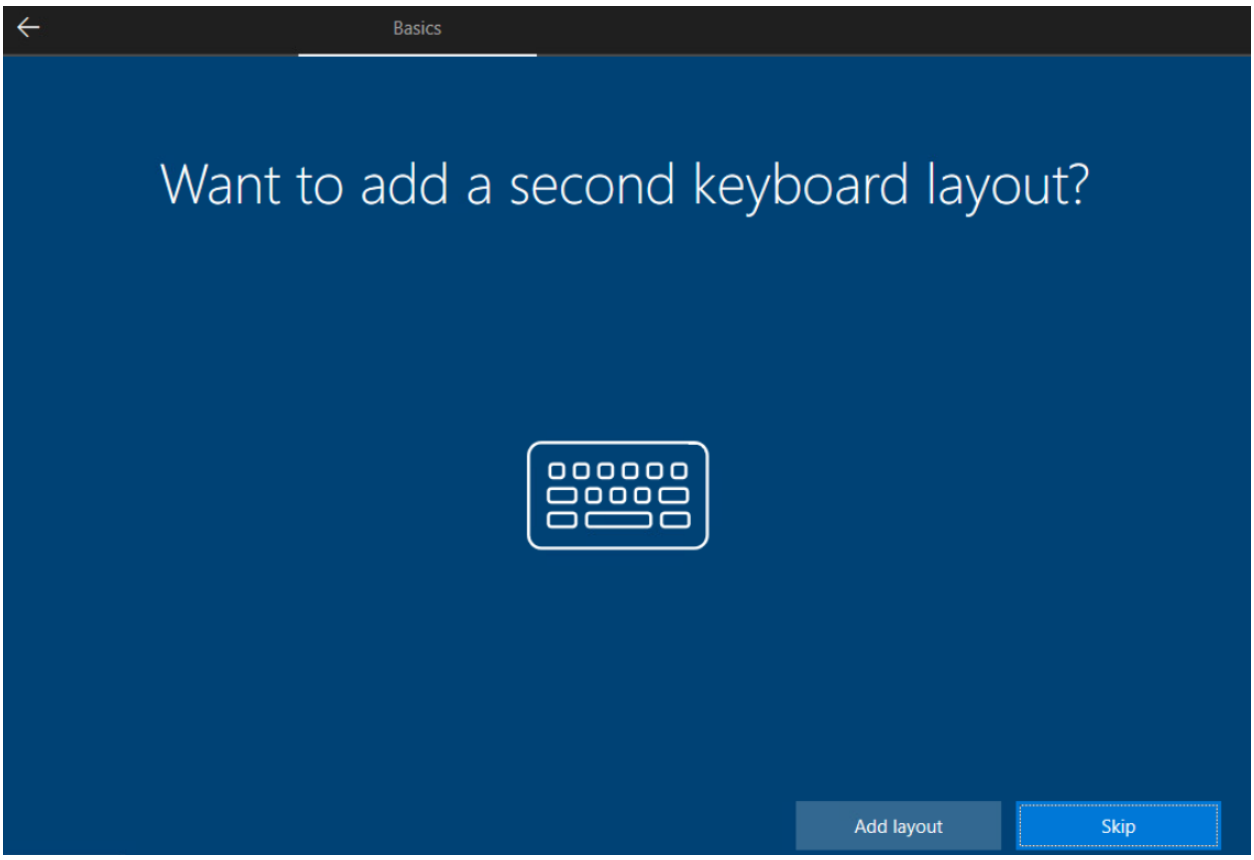

Windows Setup
Where do you want to install Windows?
Name
Total size
Free space
Type
Drive 0 Unallocated Space
48.0 GB
48.0 GB
Refresh
Delete
Format
New
Load driver
Extend
Next

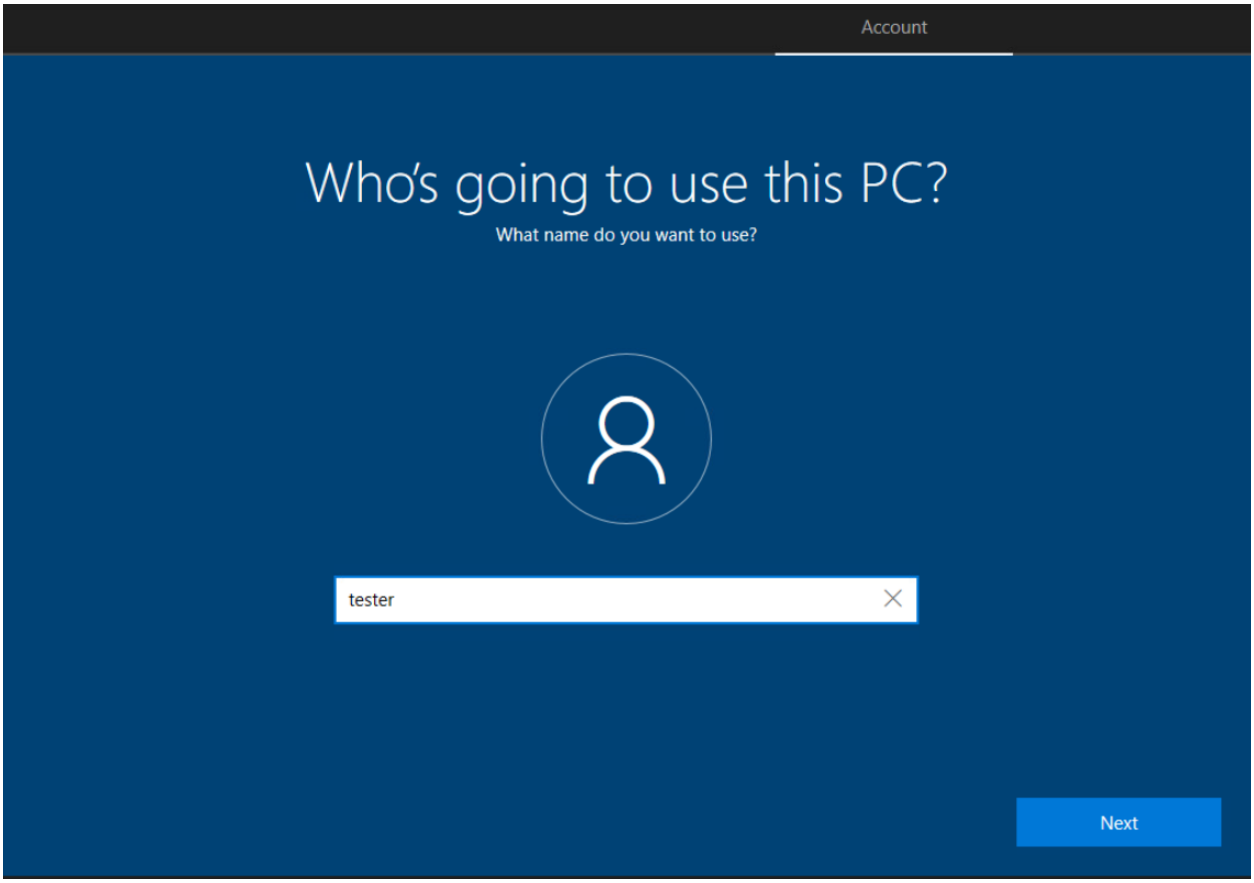

Windows Setup
Installing Windows
Status
Copying Windows files
Getting files ready for installation (0%)
Installing features
Installing updates
Finishing up

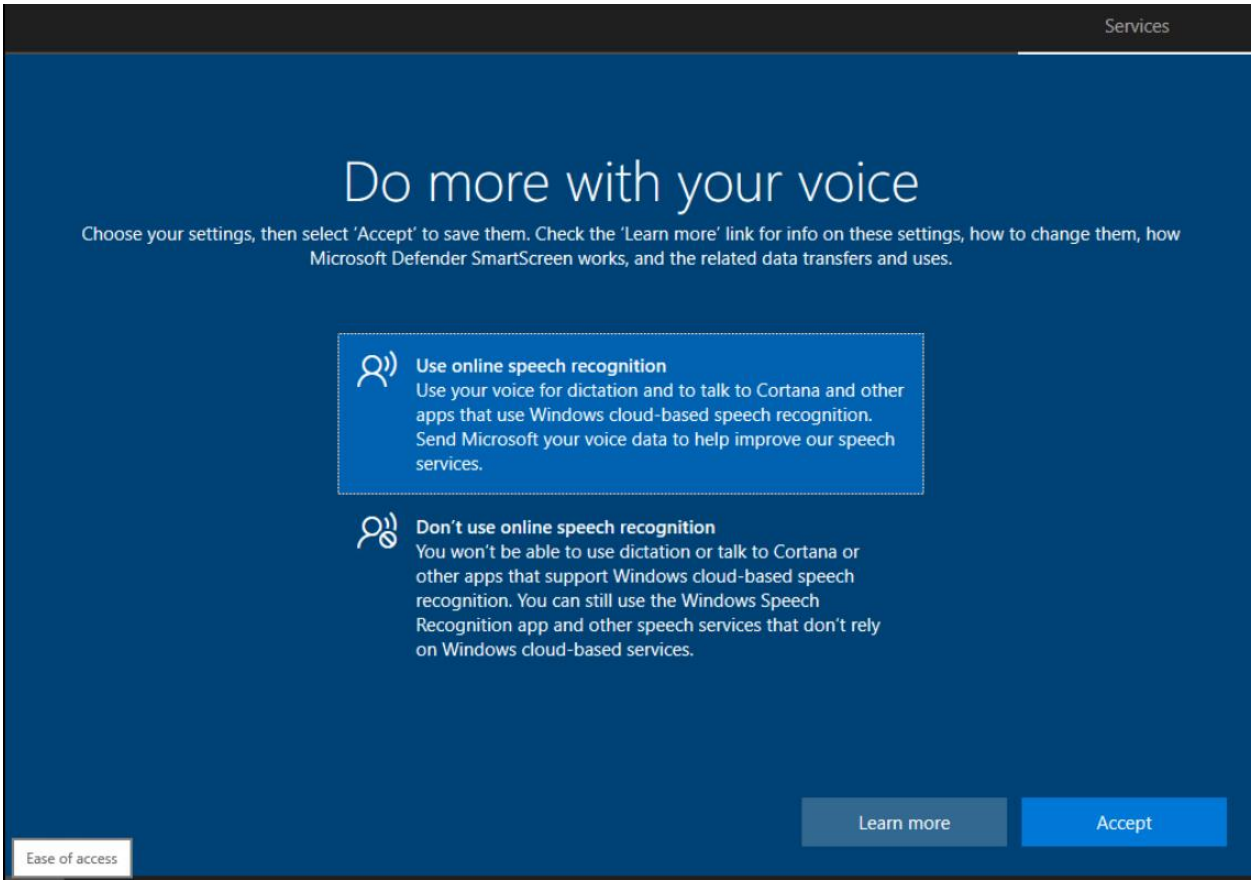

Getting ready


Basics
Let's start with region. Is this right?
Bulgaria
Burkina Faso
Burundi
Cabo Verde
Cambodia
Cameroon
Canada
Yes


Basics
Is this the right keyboard layout?
If you also use another keyboard layout, you can add that next.
US
Canadian Multilingual Standard
English (India)
Irish
Scottish Gaelic
United Kingdom
United States-Dvorak
Yes


Basics
Want to add a second keyboard layout?
Add layout
Skip


Account
Who's going to use this PC?
What name do you want to use?
tester
Next


Services
Do more with your voice
Choose your settings, then select 'Accept' to save them. Check the 'Learn more' link for info on these settings, how to change them, how Microsoft Defender SmartScreen works, and the related data transfers and uses.
Use online speech recognition
Use your voice for dictation and to talk to Cortana and other apps that use Windows cloud-based speech recognition. Send Microsoft your voice data to help improve our speech services.
Don't use online speech recognition
You won't be able to use dictation or talk to Cortana or other apps that support Windows cloud-based speech recognition. You can still use the Windows Speech Recognition app and other speech services that don't rely on Windows cloud-based services.
Learn more
Accept
Ease of access

Services

Do more across devices with activity history

If you want timeline and other Windows features to help you continue what you were doing, even when you switch devices, send Microsoft your activity history, which includes info about websites you browse and how you use apps and services. Select **Learn more** to find out how Microsoft products and services use this data to personalize experiences while respecting your privacy.

Learn more

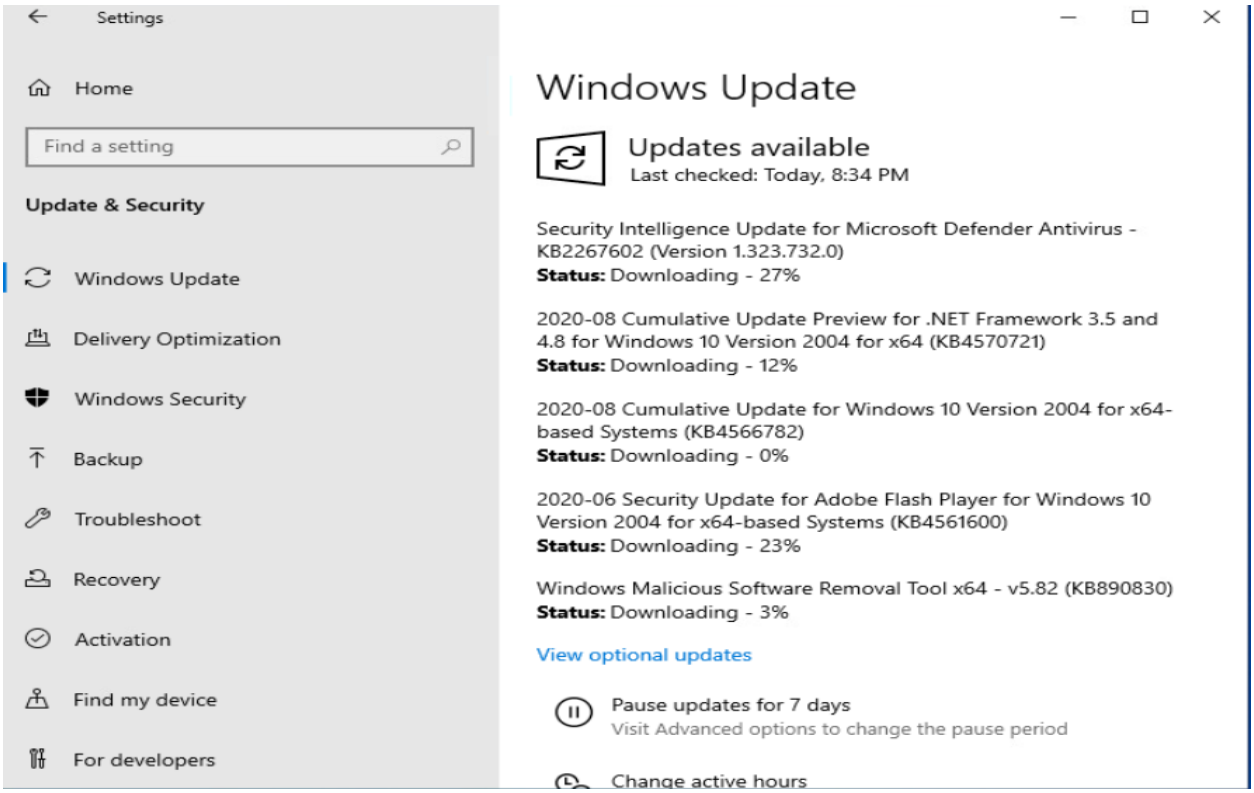
No

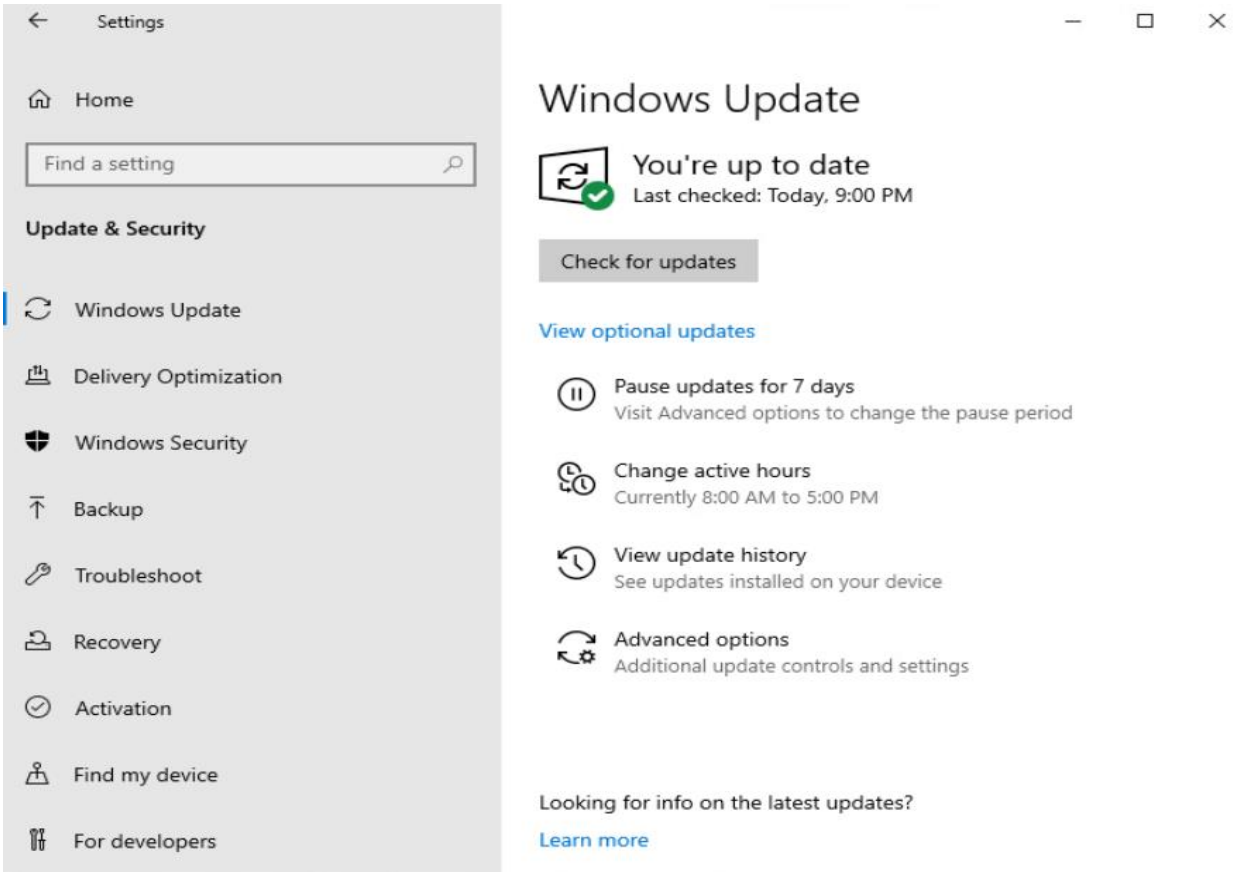
Yes

This might take several minutes

Don't turn off your PC

Now will install all the updates.

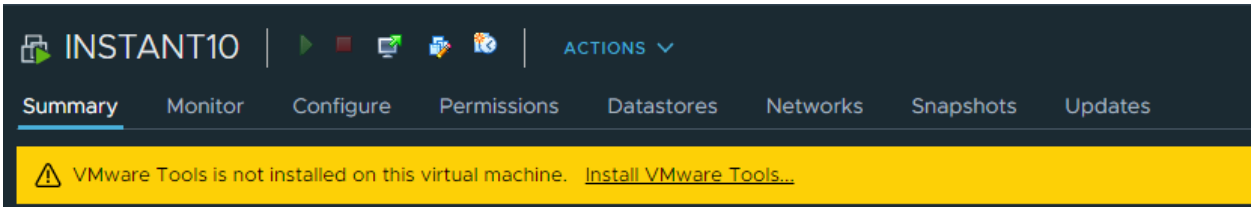


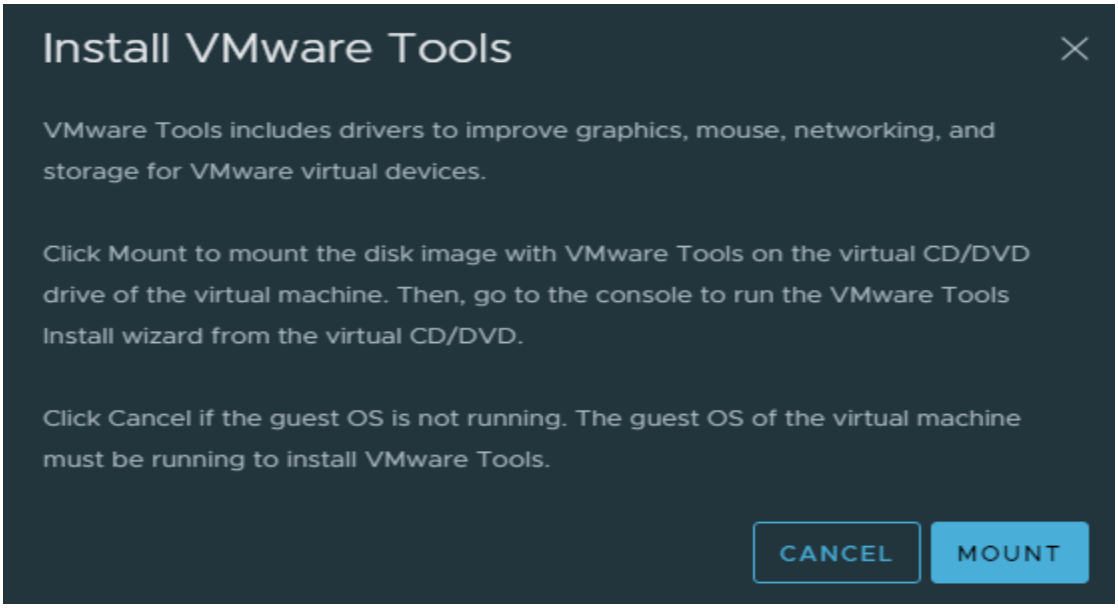


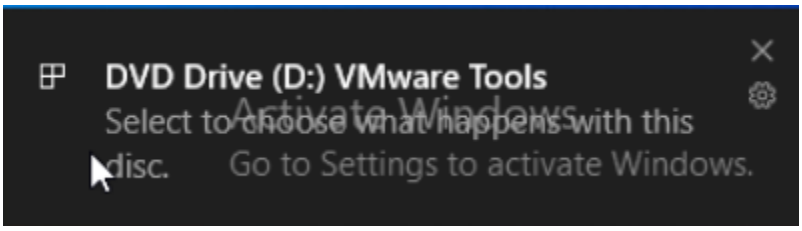
Operating System Customization:

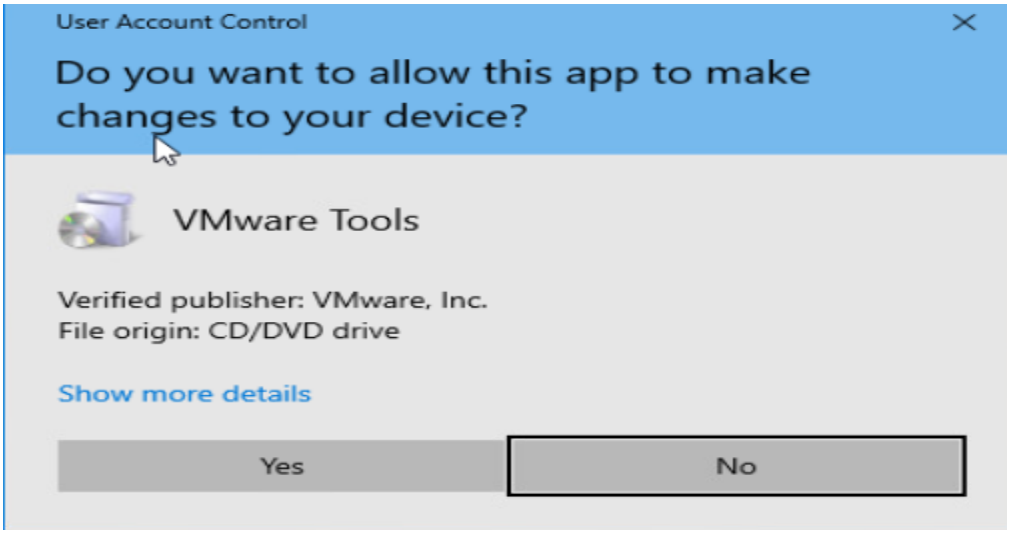
It is time to do all necessary tweaks and tunings to boost the performance of this precious golden image.

VMWare Tools:



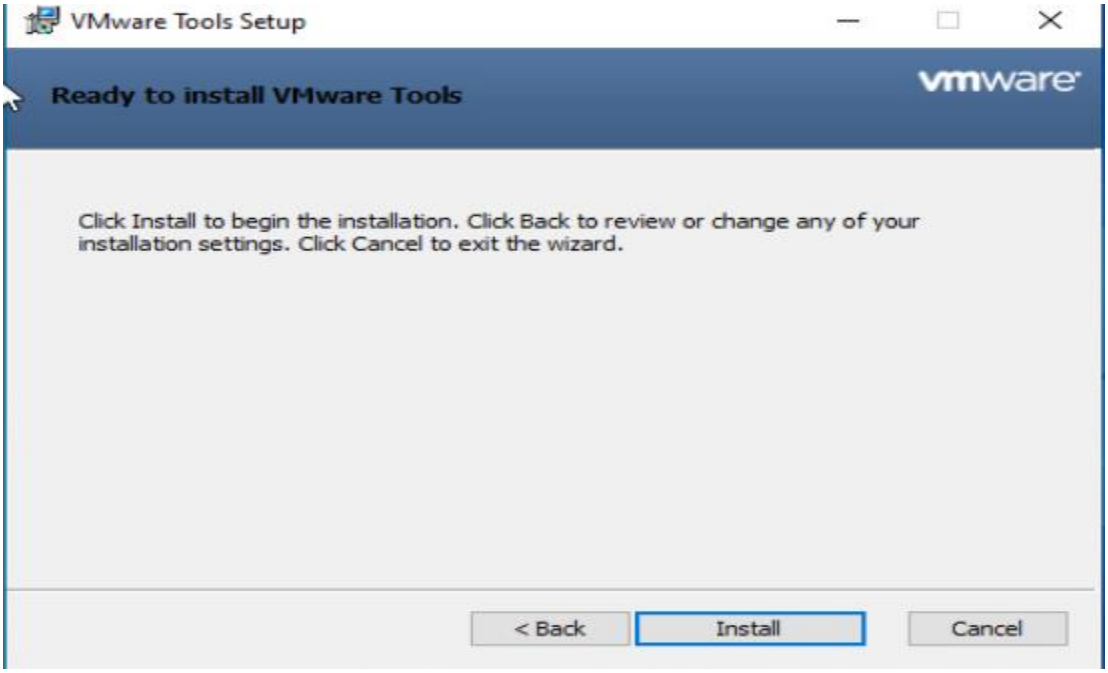


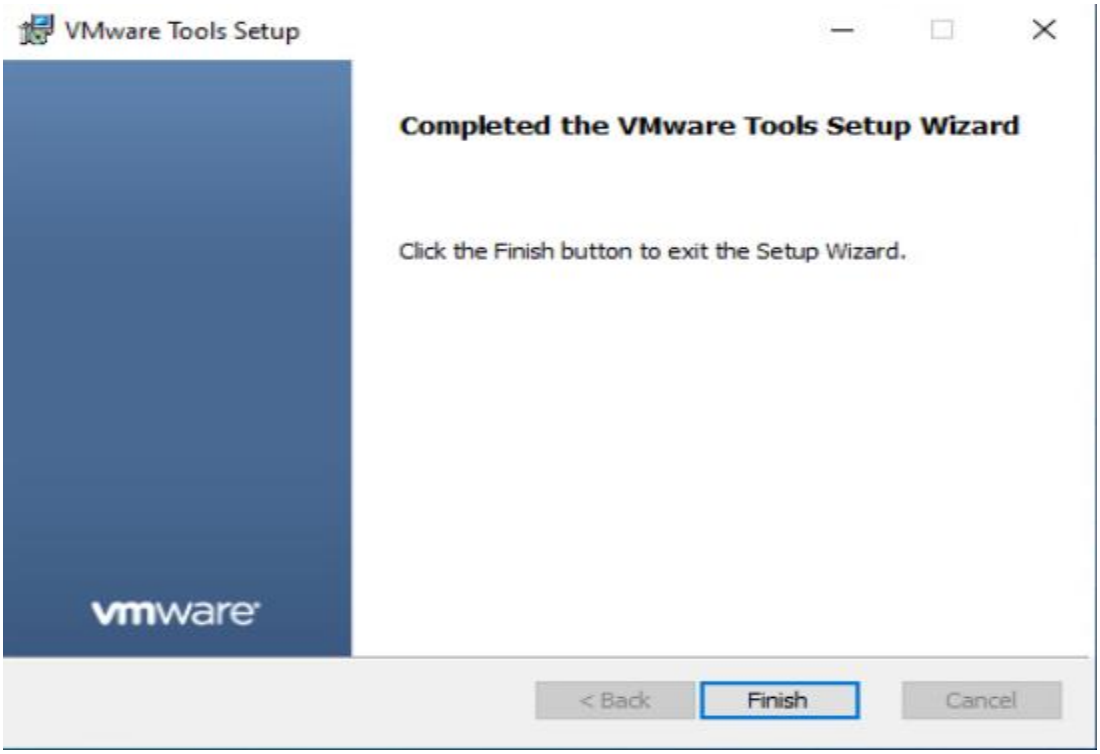


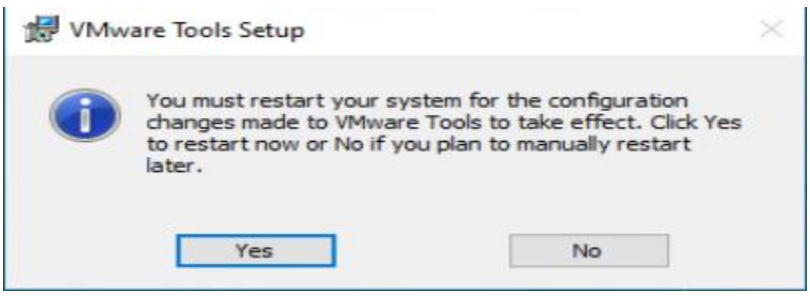


VMware Tools Setup
Welcome to the installation wizard for VMware Tools
The installation wizard will install VMware Tools on your computer. To continue, click Next.
Copyright (c) 1998-2020 VMware, Inc. All rights reserved. This product is protected by copyright and intellectual property laws in the United States and other countries as well as by international treaties. VMware products are covered by one or more patents listed at http://www.vmware.com/go/patents.
vmware
< Back
Next >
Cancel

VMware Tools Setup
Choose Setup Type
Choose the setup type that best suits your needs
vmware
Please select a setup type.
Typical
Installs the program features used by this VMware product only. Select this option if you intend to run this virtual machine only with this VMware product.
Complete
Installs all program features. Select this option if you intend to run this virtual machine on multiple VMware products.
Custom
Lets you choose which program features to install and where to install them. Only advanced users should select this option.
< Back
Next >
Cancel

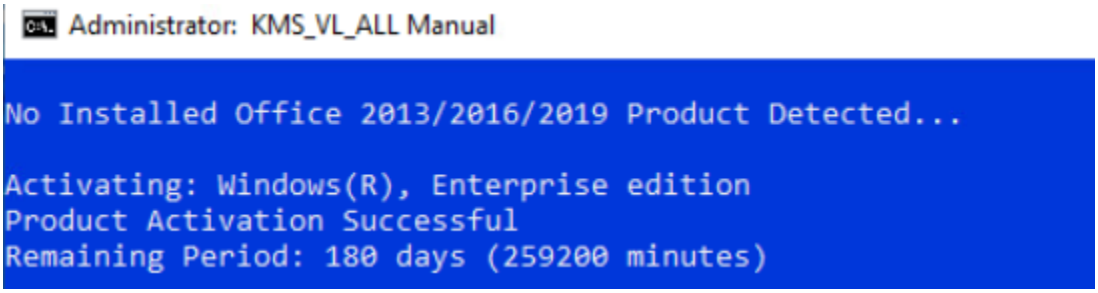

VMware Tools Setup
Ready to install VMware Tools
vmware
Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.
< Back
Install
Cancel


VMware Tools Setup
Completed the VMware Tools Setup Wizard
Click the Finish button to exit the Setup Wizard.
vmware
< Back
Finish
Cancel


VMware Tools Setup
You must restart your system for the configuration changes made to VMware Tools to take effect. Click Yes to restart now or No if you plan to manually restart later.
Yes
No

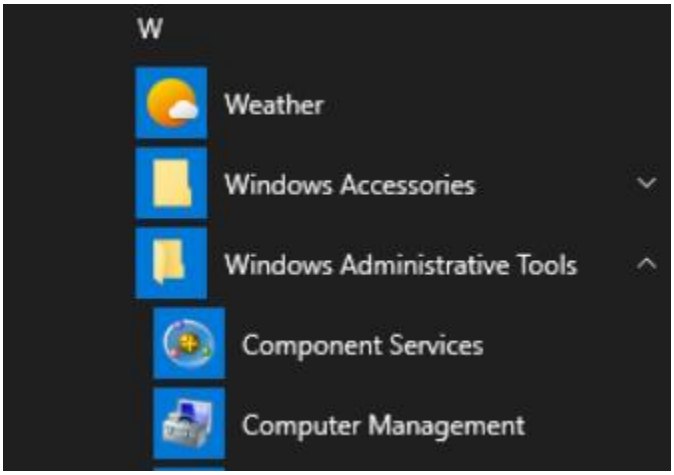
Activate Windows

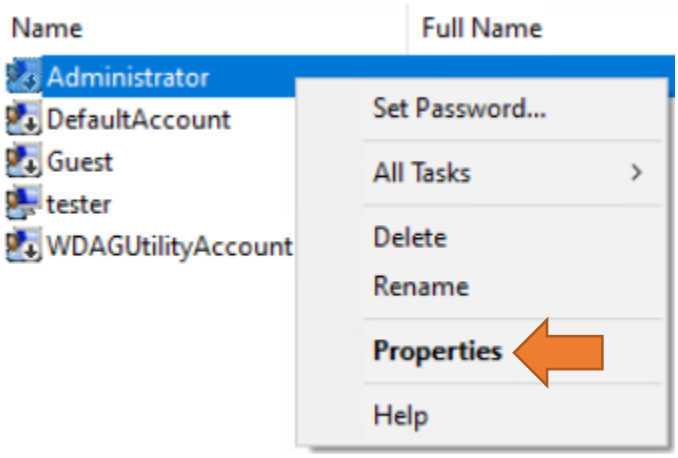
Make sure the windows is activated. If you are using MAK or KMS then you can ignore this step. Within the lab, I do not have MAK or KMS. So, I will complete the activation before proceeding any further.

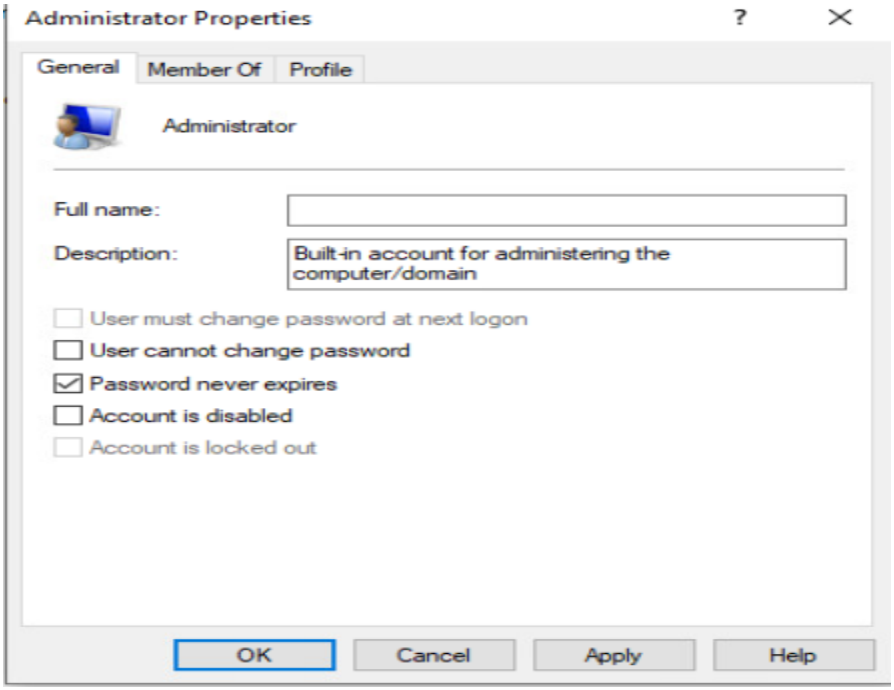


Enable Local Administrator Account

Click Start – Windows Administrative Tools – Computer Management

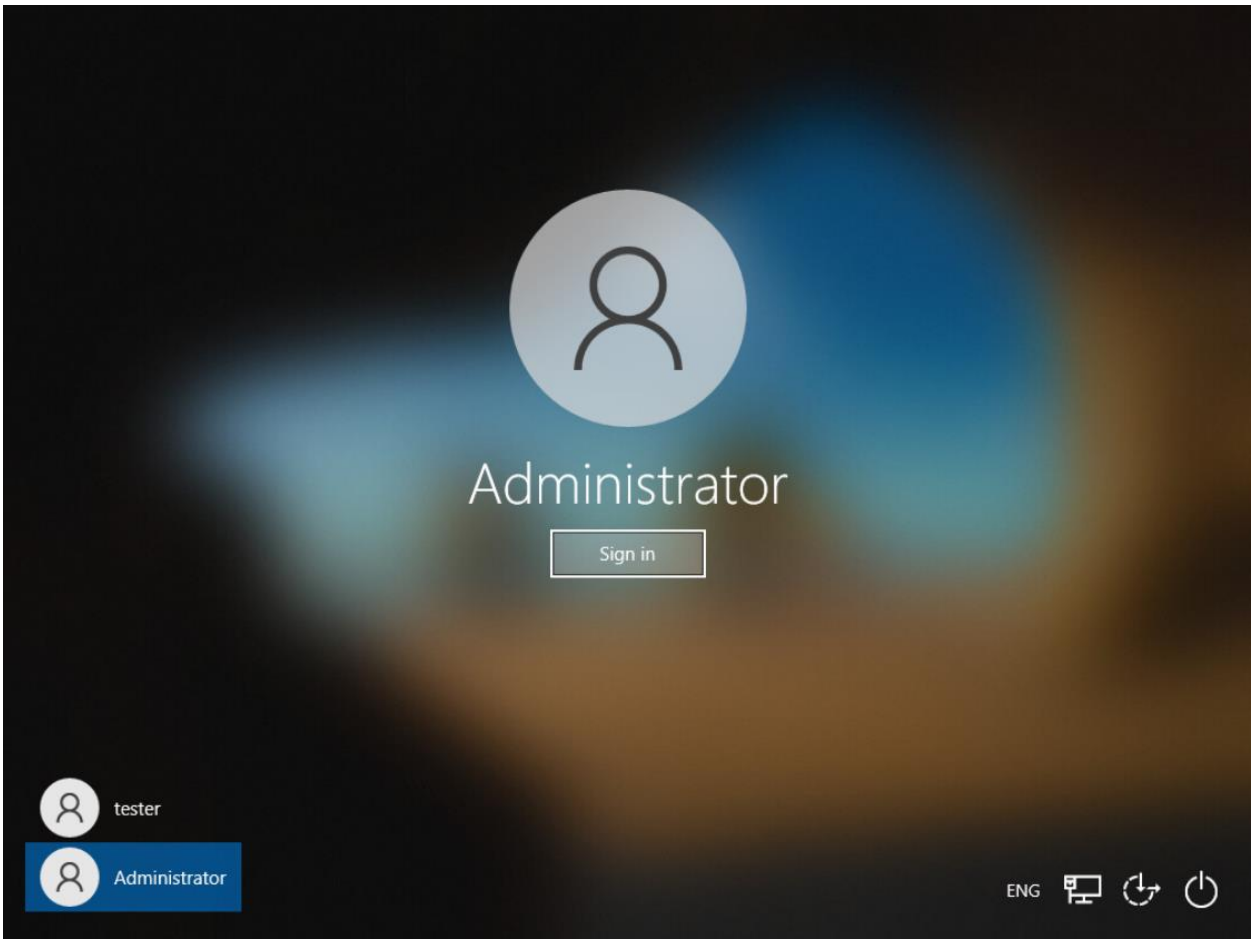


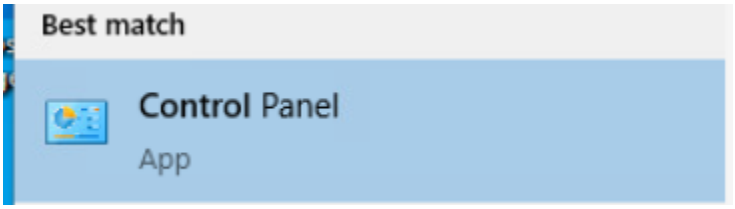


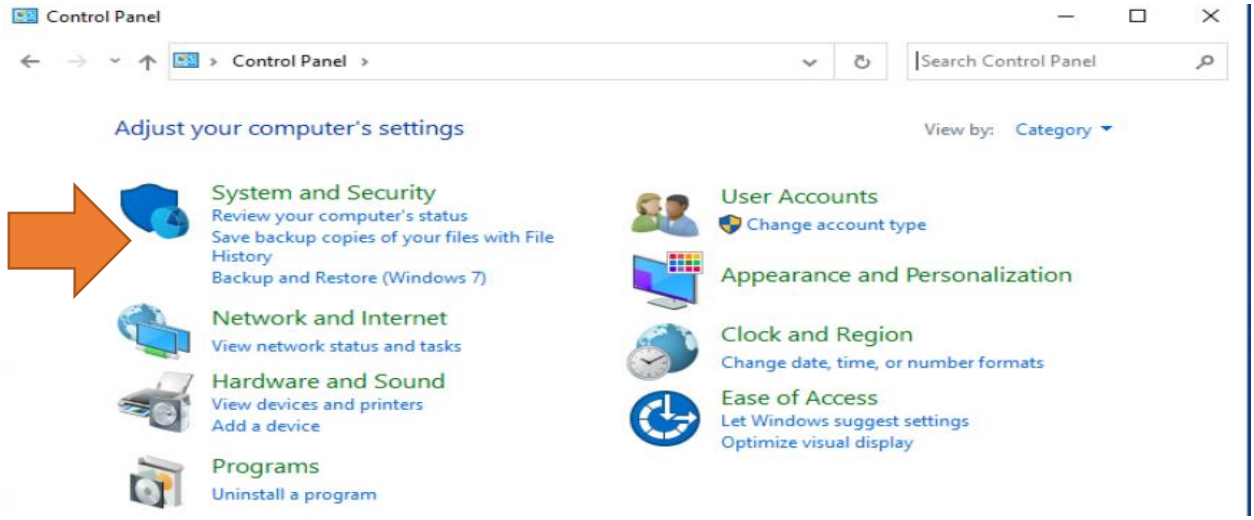


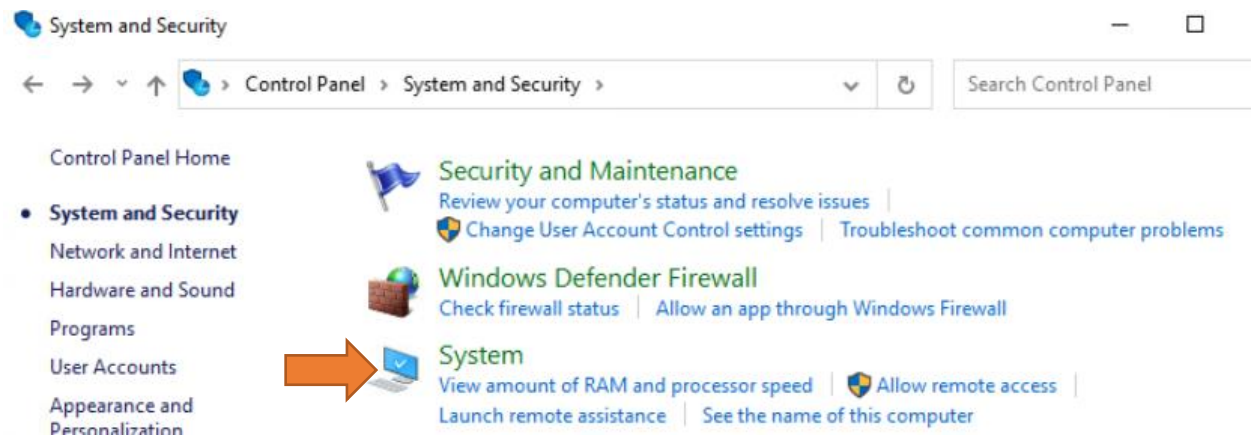
Delete User Profile

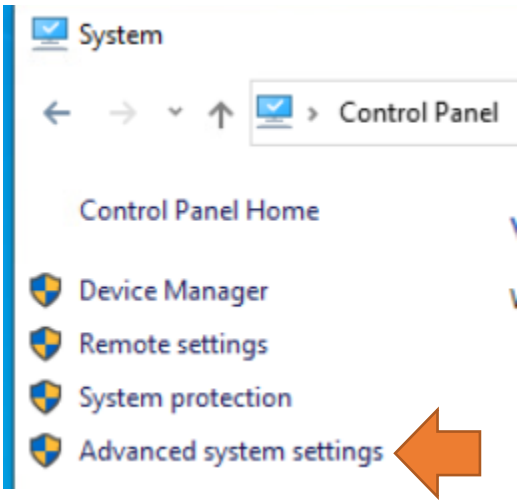
When we first completed Virtual Machine Operating System build, we did create a user called **TESTER**. We will delete this user now.

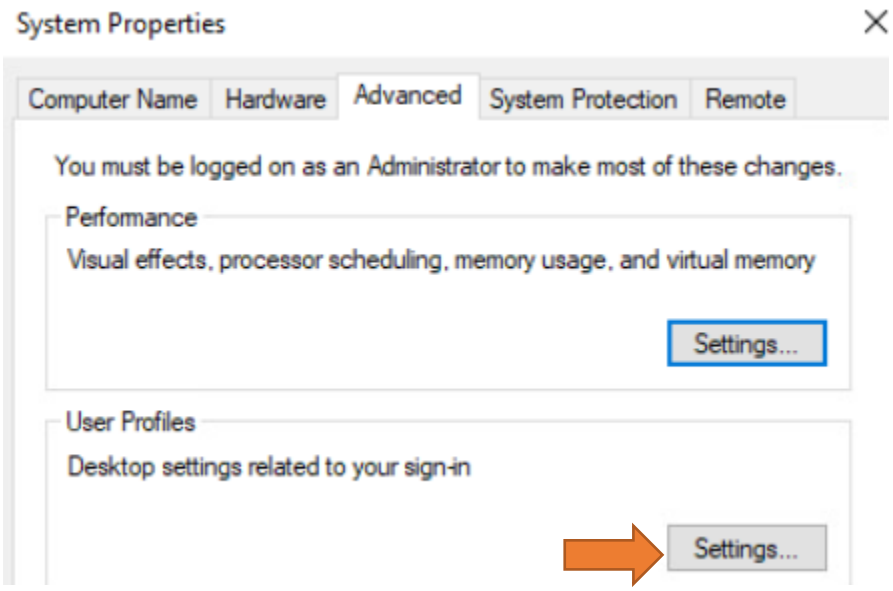


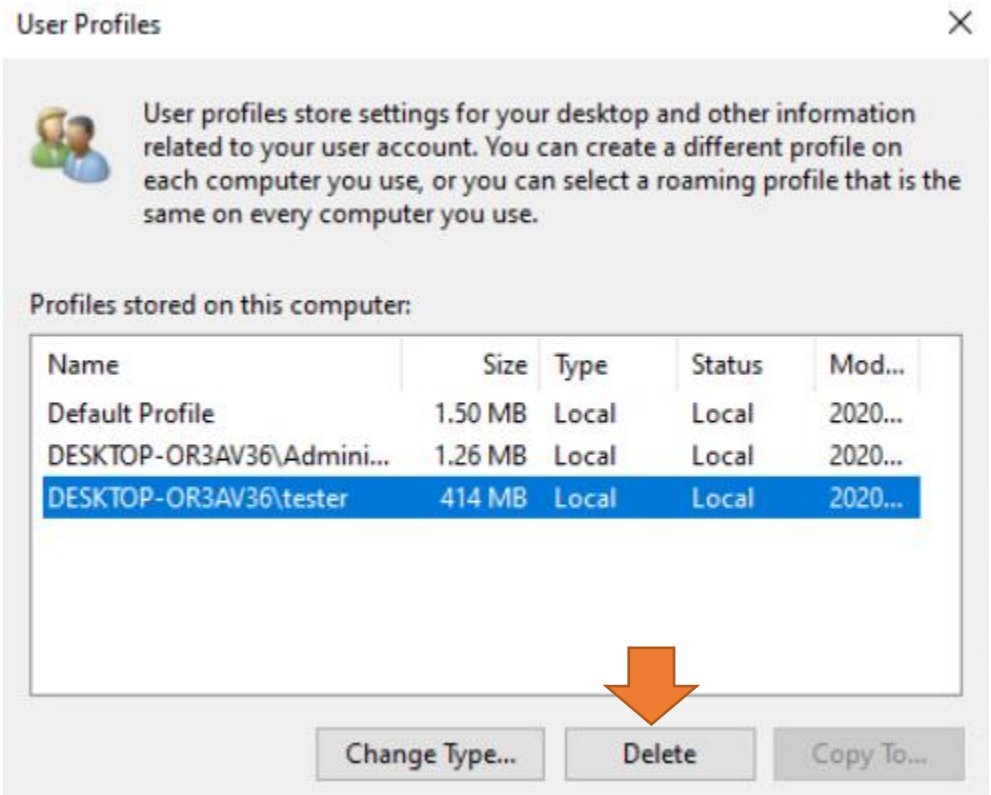

Best match
Control Panel
App

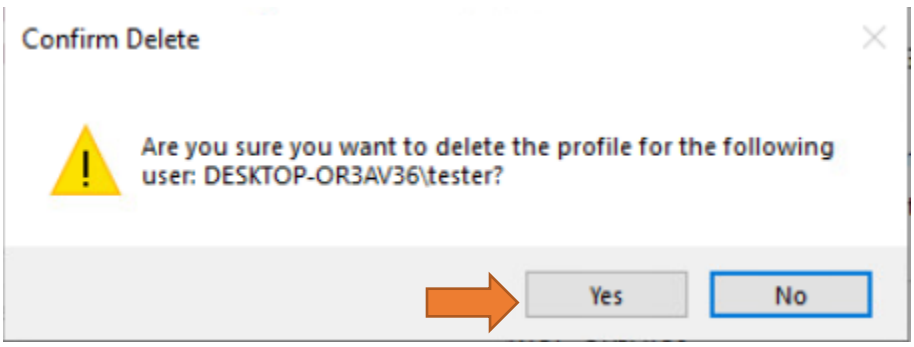

Control Panel
Control Panel
Search Control Panel
Adjust your computer's settings
View by: Category
System and Security
Review your computer's status
Save backup copies of your files with File History
Backup and Restore (Windows 7)
Network and Internet
View network status and tasks
Hardware and Sound
View devices and printers
Add a device
Programs
Uninstall a program
User Accounts
Change account type
Appearance and Personalization
Clock and Region
Change date, time, or number formats
Ease of Access
Let Windows suggest settings
Optimize visual display


System and Security
Control Panel › System and Security ›
Search Control Panel
Control Panel Home
System and Security
Network and Internet
Hardware and Sound
Programs
User Accounts
Appearance and Personalization
Security and Maintenance
Review your computer's status and resolve issues
Change User Account Control settings
Troubleshoot common computer problems
Windows Defender Firewall
Check firewall status
Allow an app through Windows Firewall
System
View amount of RAM and processor speed
Allow remote access
Launch remote assistance
See the name of this computer

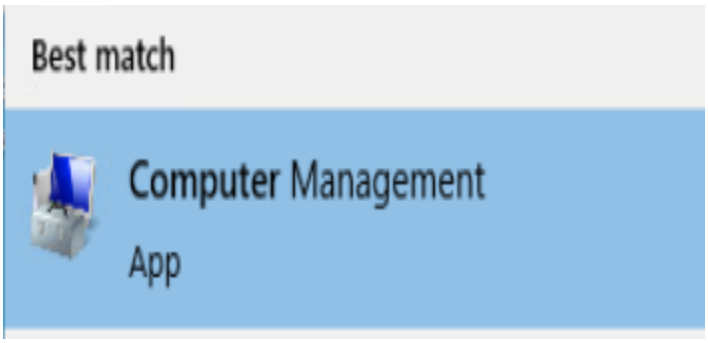

System
Control Panel
Control Panel Home
Device Manager
Remote settings
System protection
Advanced system settings

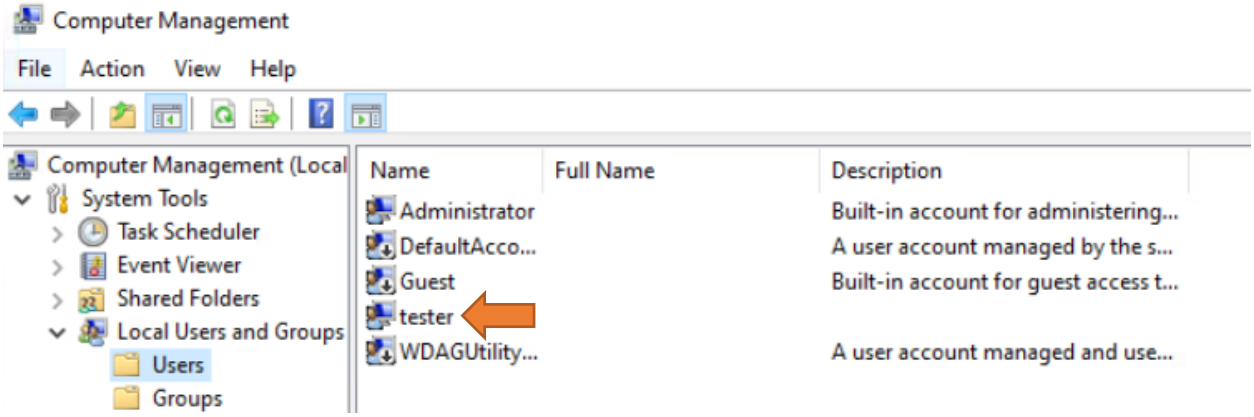

System Properties
Computer Name
Hardware
Advanced
System Protection
Remote
You must be logged on as an Administrator to make most of these changes.
Performance
Visual effects, processor scheduling, memory usage, and virtual memory
Settings...
User Profiles
Desktop settings related to your sign-in
Settings...

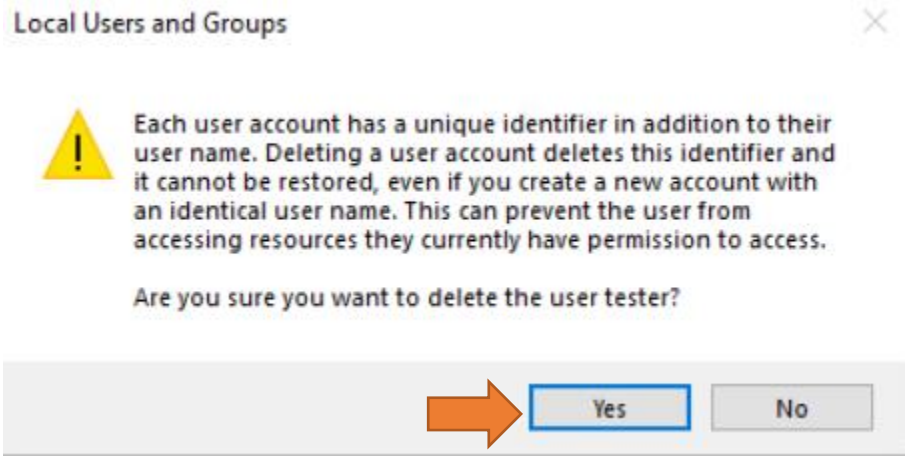

User Profiles
User profiles store settings for your desktop and other information related to your user account. You can create a different profile on each computer you use, or you can select a roaming profile that is the same on every computer you use.
Profiles stored on this computer:
Name
Size
Type
Status
Mod...
Default Profile
1.50 MB
Local
Local
2020...
DESKTOP-OR3AV36\Admini...
1.26 MB
Local
Local
2020...
DESKTOP-OR3AV36\tester
414 MB
Local
Local
2020...
Change Type...
Delete
Copy To...

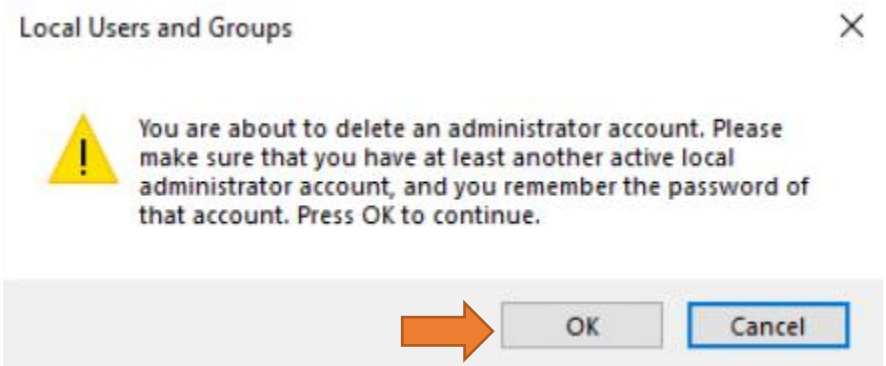

Confirm Delete
Are you sure you want to delete the profile for the following user: DESKTOP-OR3AV36\tester?
Yes
No

Go to Computer Management



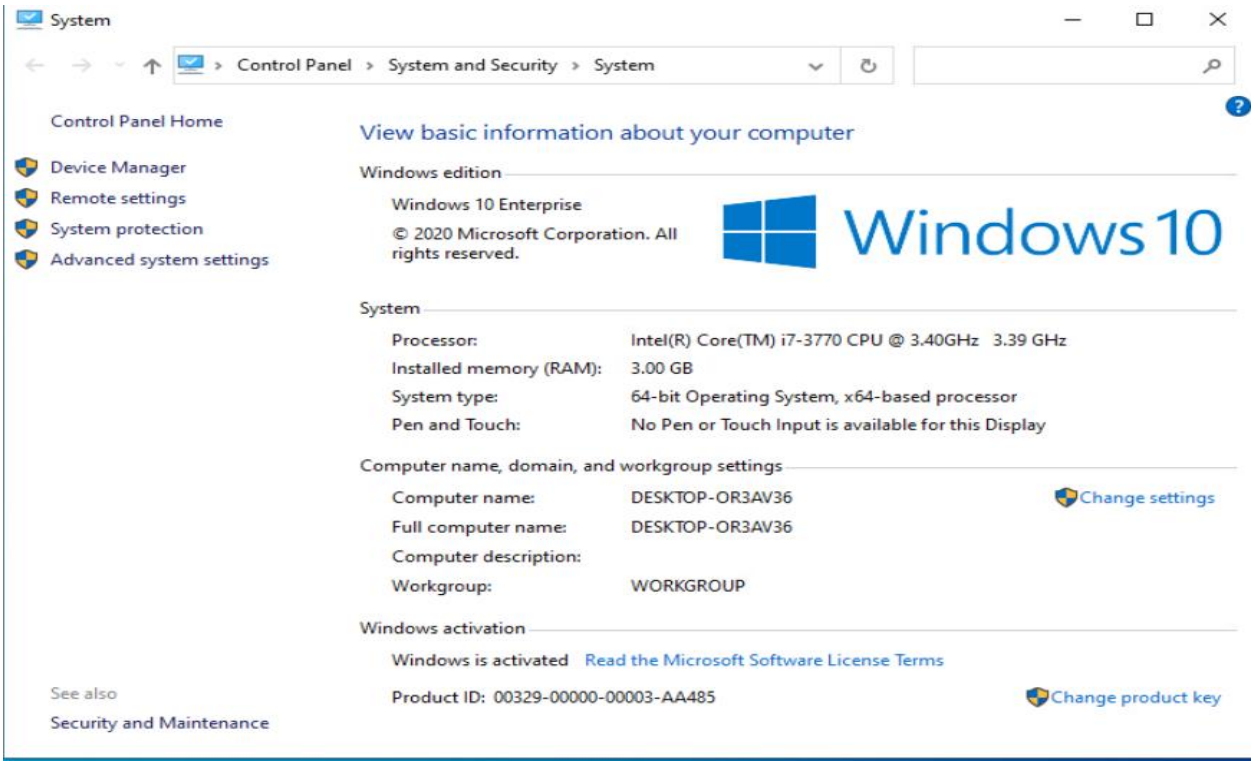


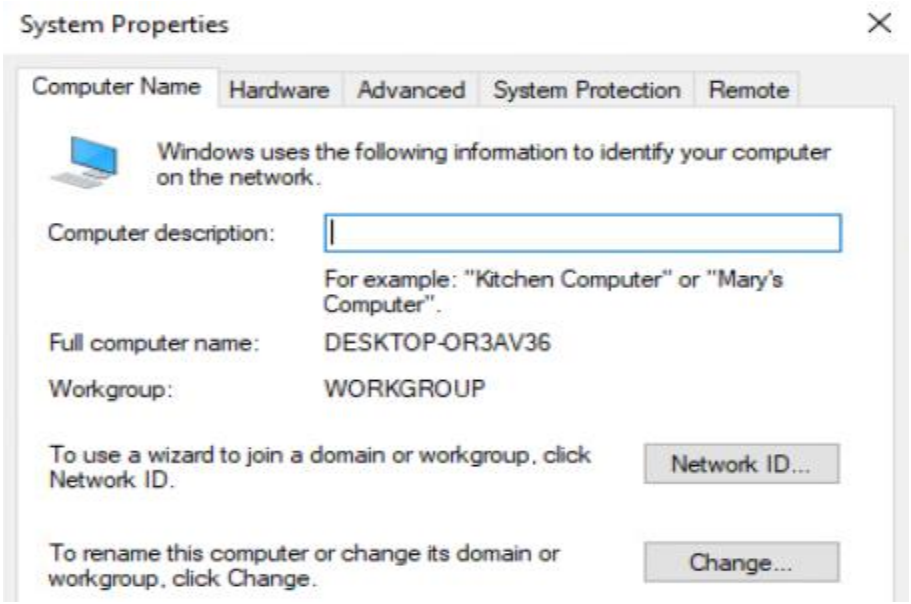


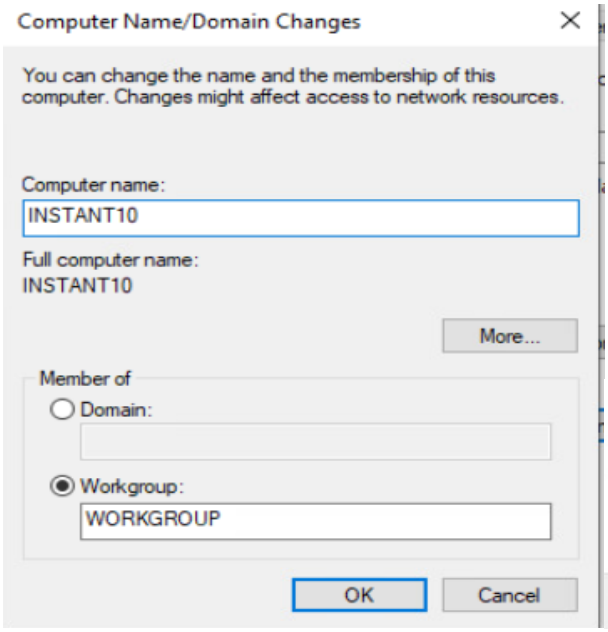


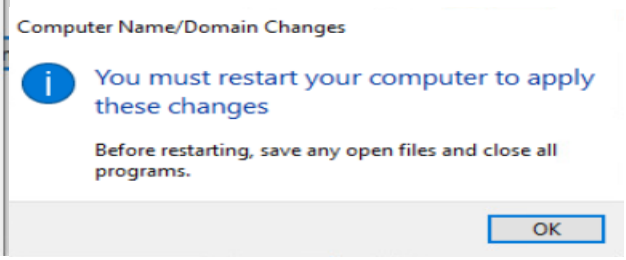
Change Computer Name:

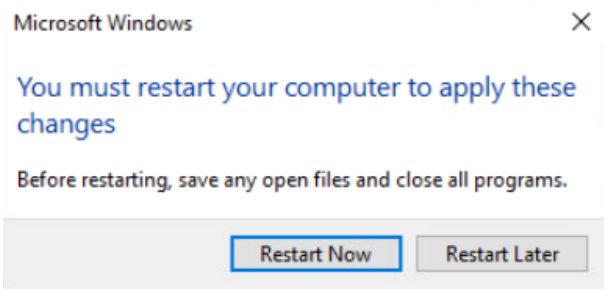
Right Click This PC - Properties

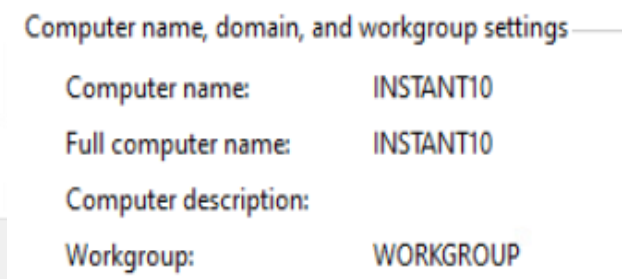






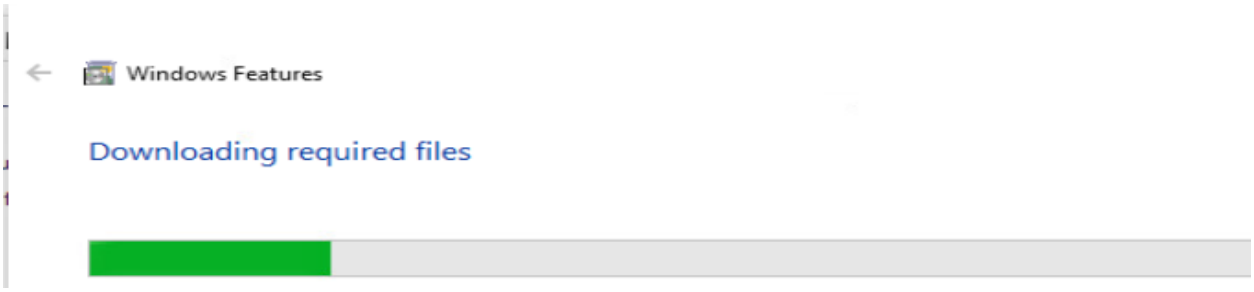


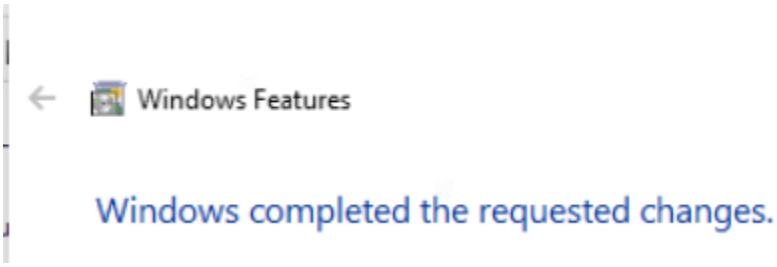




Install .NET Framework 3.5

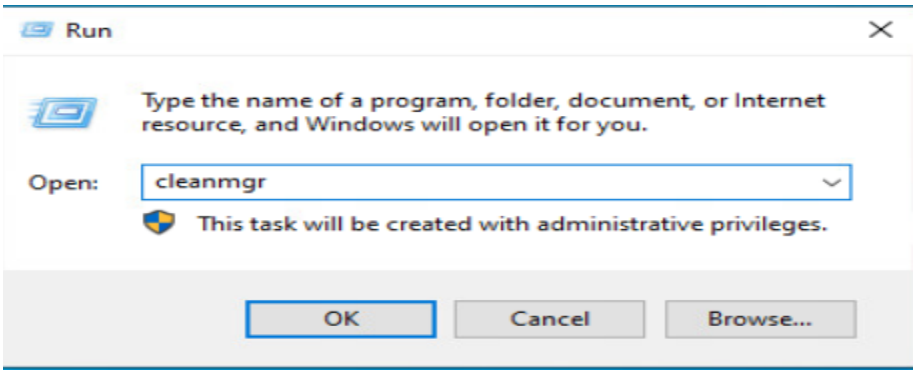
Go to: **Control Panel – Programs – Programs and Features – Turn Windows Features on or off**

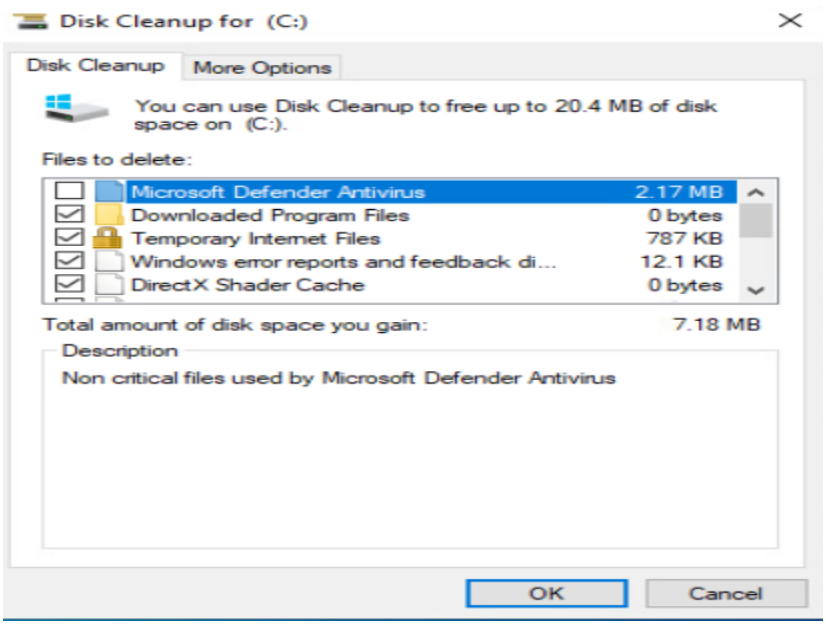




Run Cleanup Manager

Click Start – Run

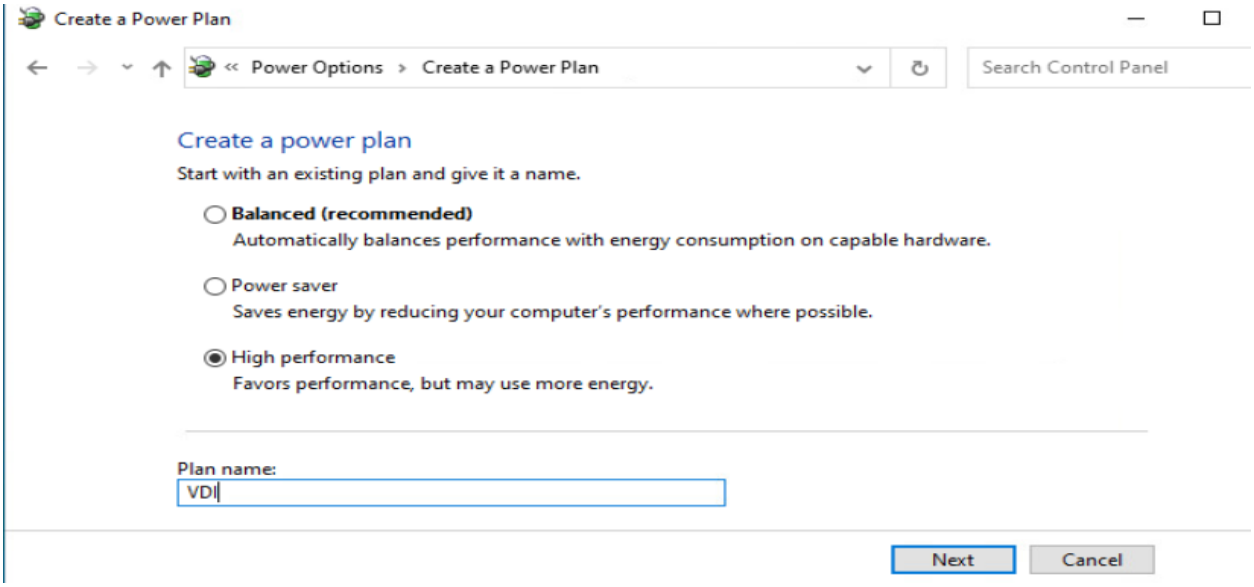


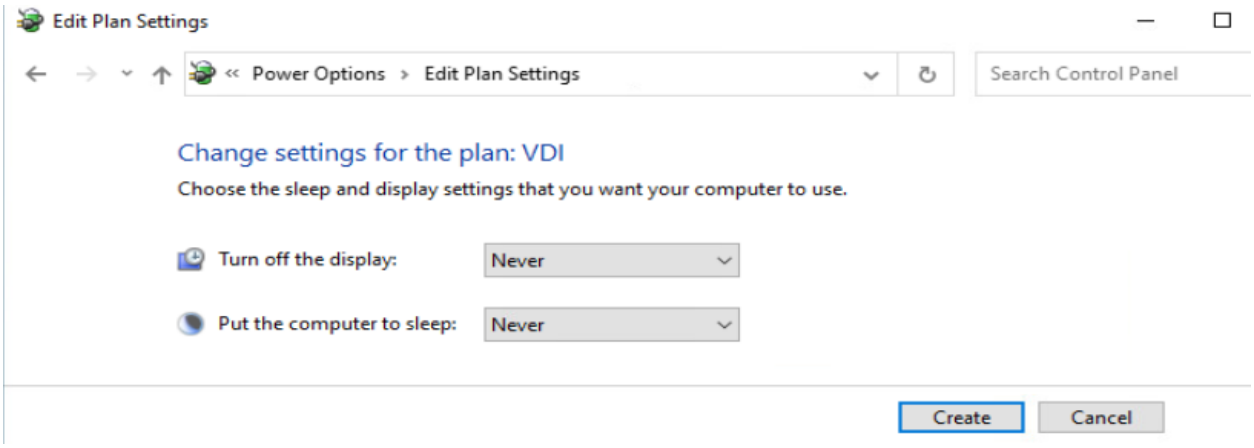


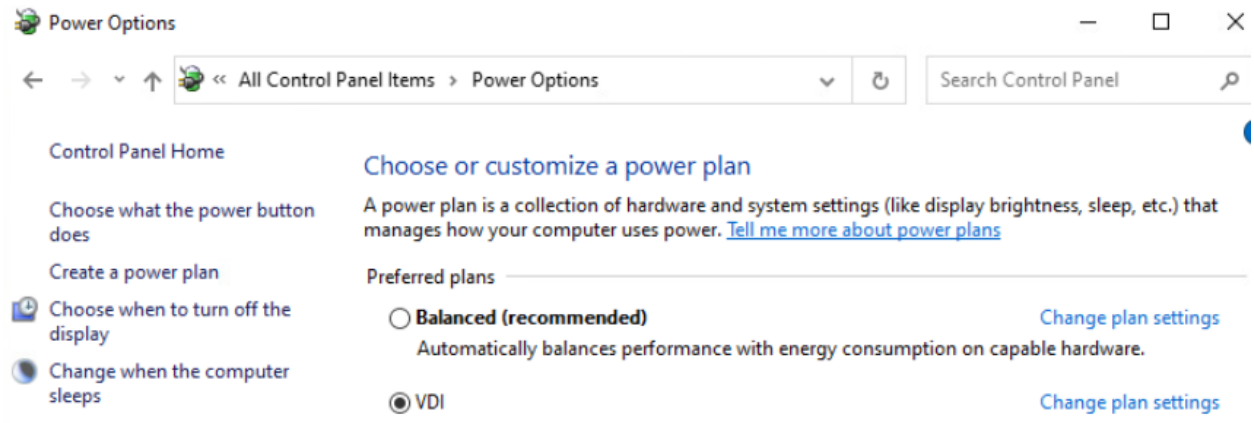
Set Power Option High

GO to: **Control Panel – Hardware and Sound – Power Options.**

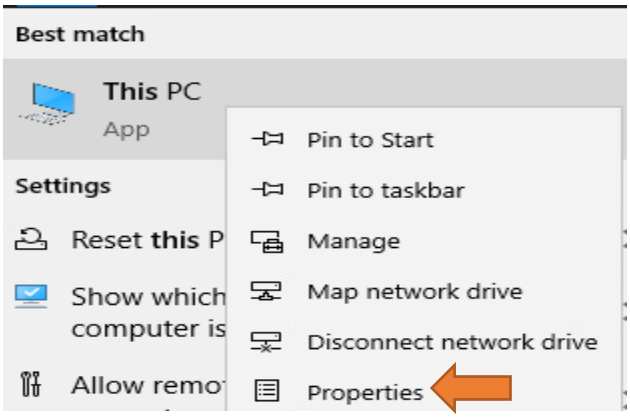
Click ***Show Additional Power Plans,*** Choose ***High Performance,*** and Click ***Create a Power Plan.***

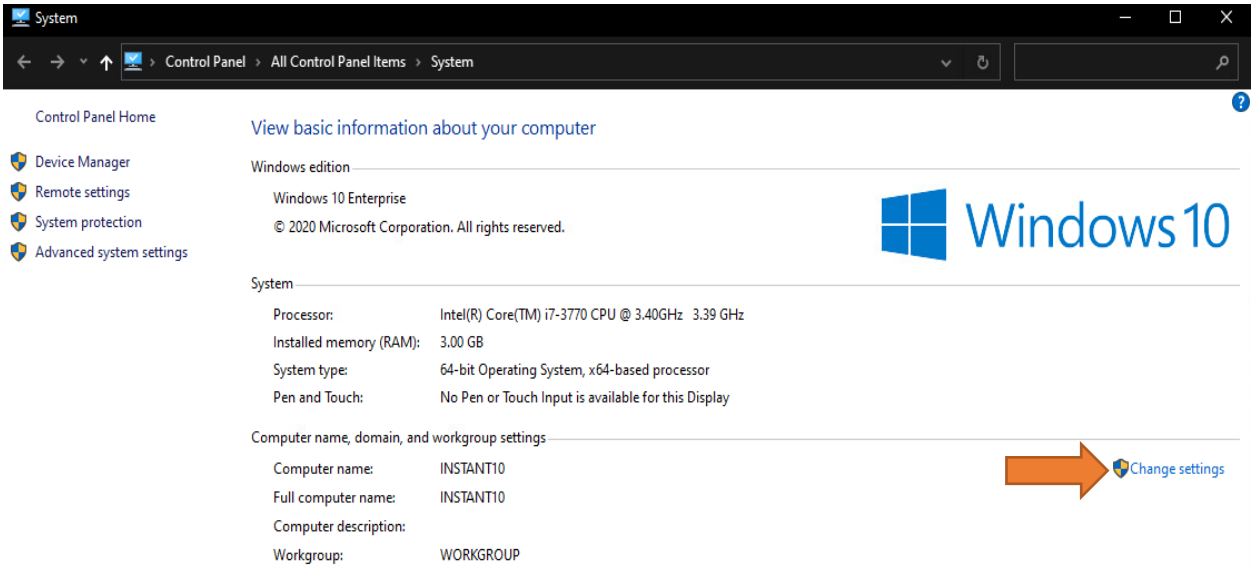


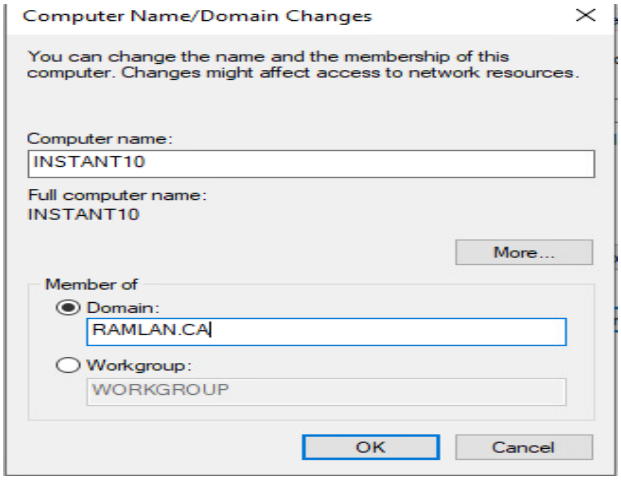


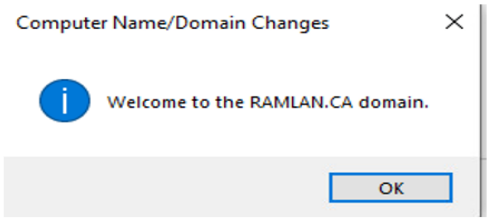


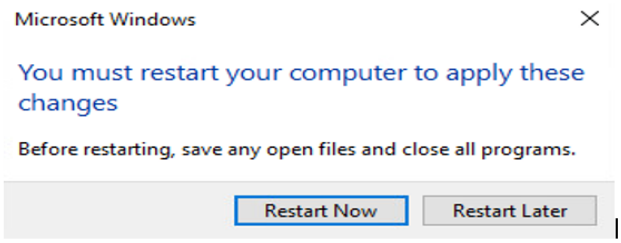
Join Machine to Domain









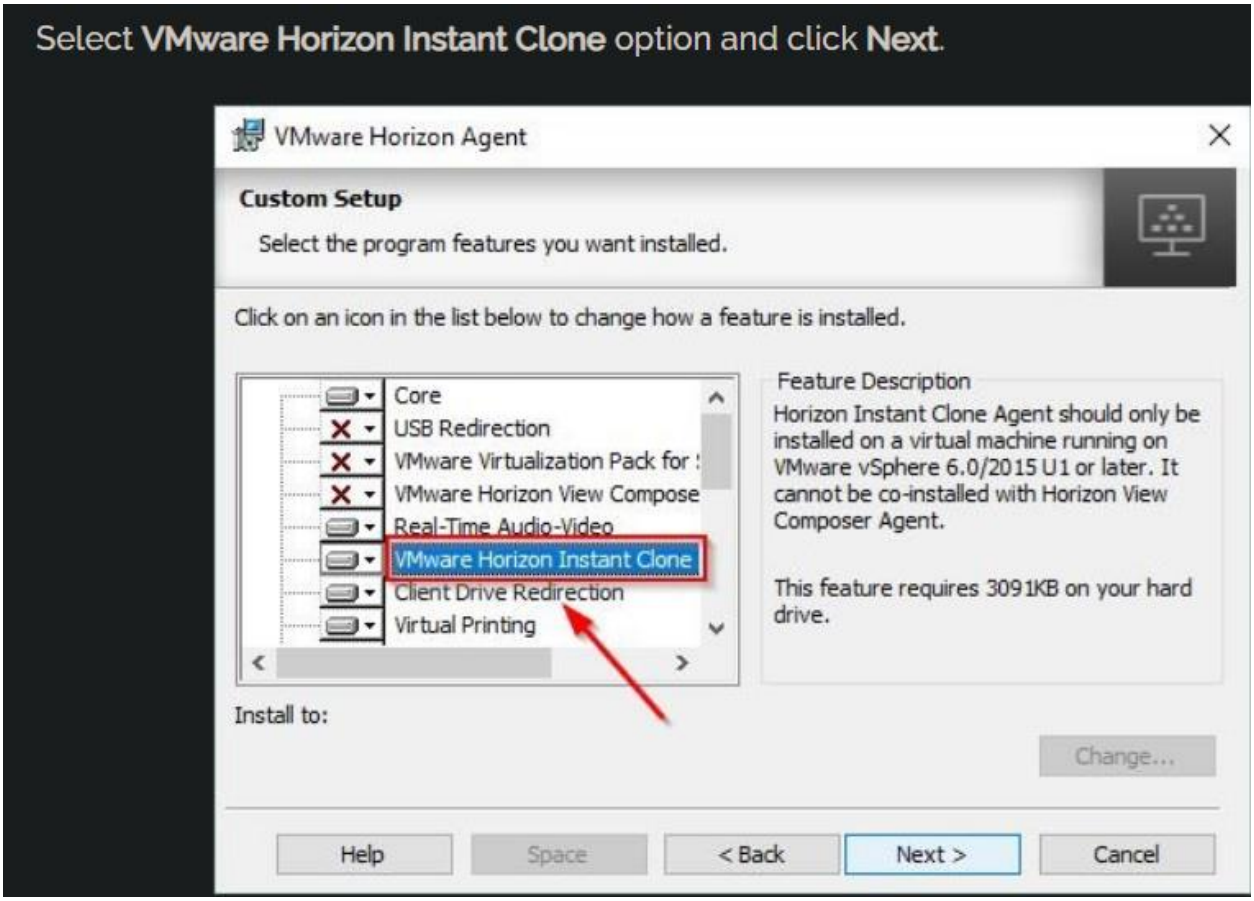


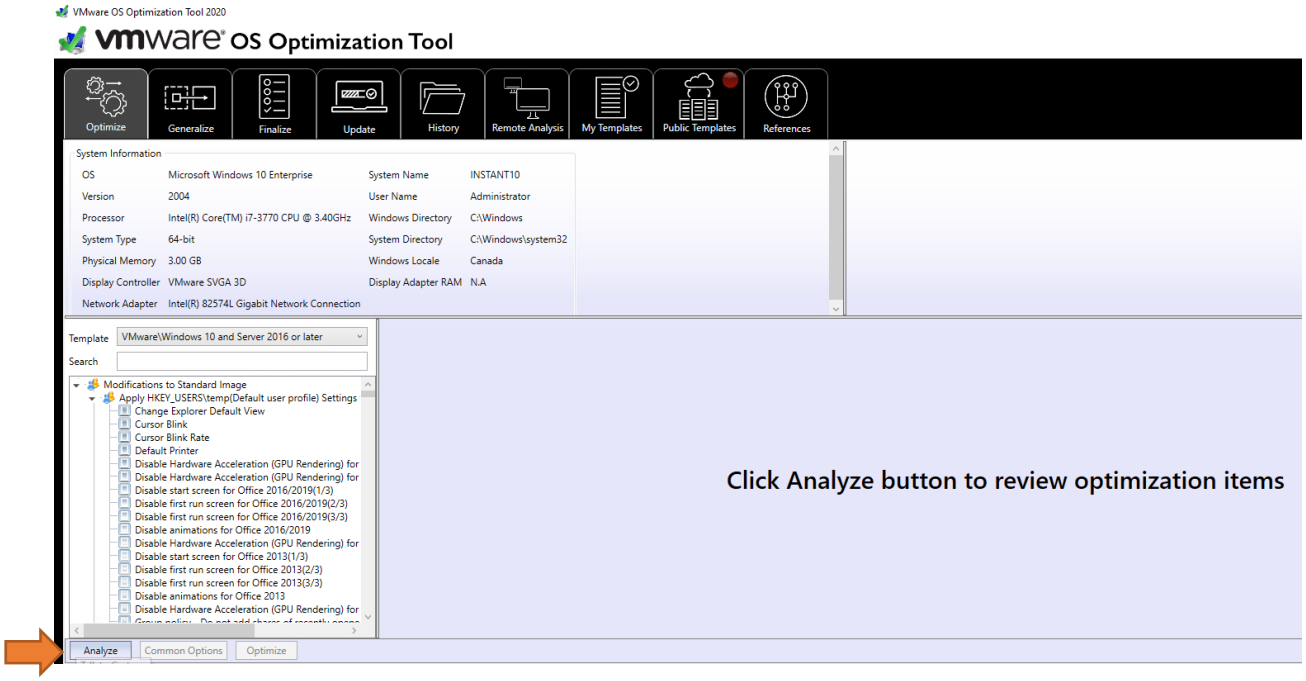
Install Required Applications

Name	Date modified
Office 2019 June 2020	2020-09-08 10:14 AM
03 VMware-Horizon-Agent-x86_64-8.0.0-16530789	2020-08-18 1:32 PM
04 VMware-Horizon-Agent-Direct-Connection-x86_64-8.0.0-16530789	2020-08-18 1:32 PM
05 VMware-Horizon-Client-2006-8.0.0-16531419	2020-08-28 9:46 AM
06 VMwareOSOptimizationTool	2020-08-25 3:46 AM
07 VMware-ThinApp-Enterprise-5.2.7-15851843	2020-08-18 2:07 PM
7z1806-x64	2019-01-13 9:24 AM
HorizonSessionRecordingAgent-2.1.10	2020-07-18 1:07 AM
sHaRewbb_winrar-x64-50b8Pre	2013-08-03 9:48 PM
vlc-3.0.5-win64	2018-12-30 12:40 PM
VMwareHorizonHelpDeskAgentMSI-1.5.0.21	2020-08-30 11:23 AM

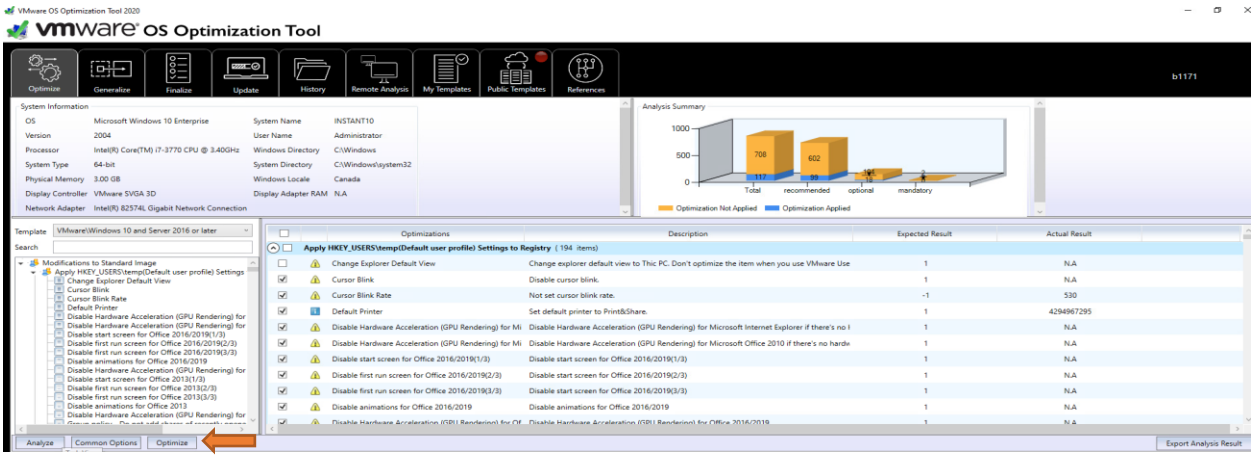
I am going to install above applications in **ONE** go to reduce number of restarts. I will not provide screen shot as they are simple and straight forward. **I will install OS Optimization Tool at the end.**

When you install Vmware Horizon Agent make sure you select this feature.

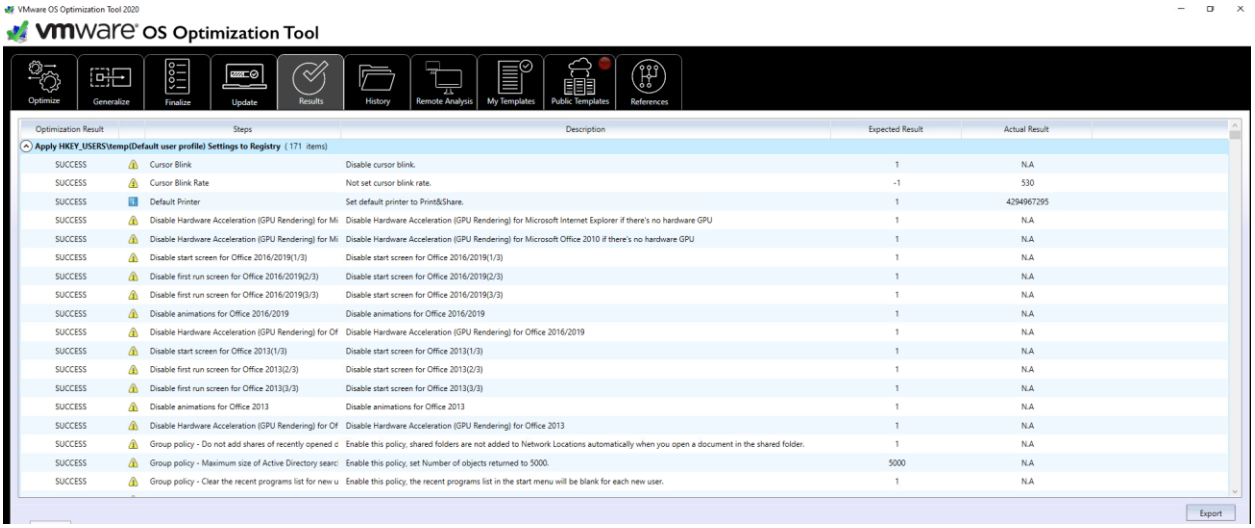


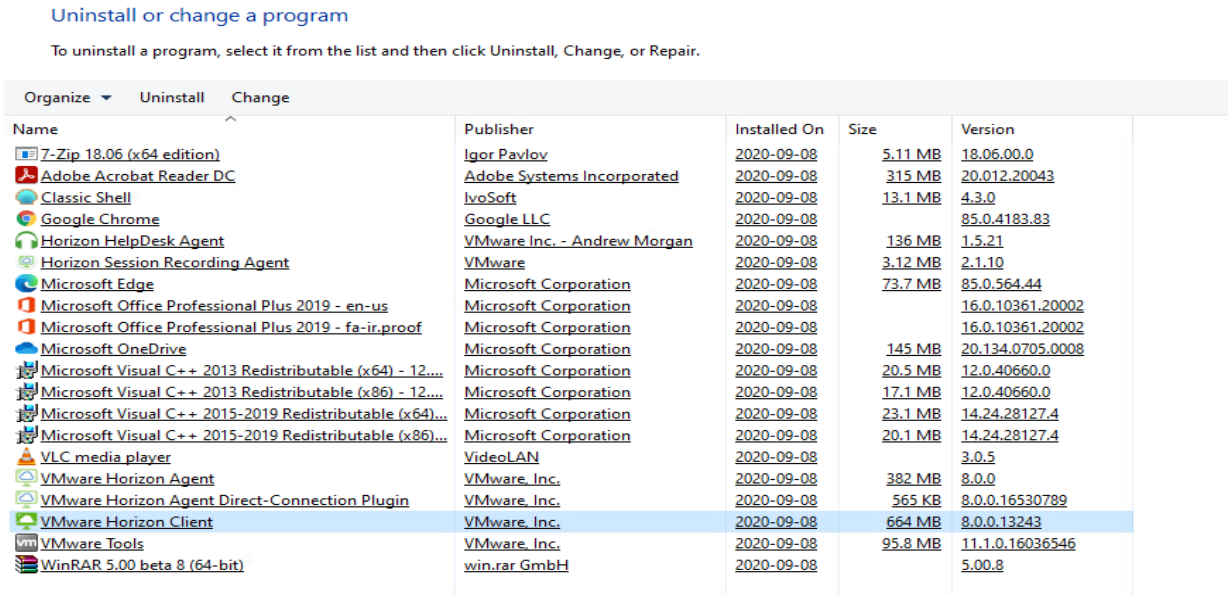


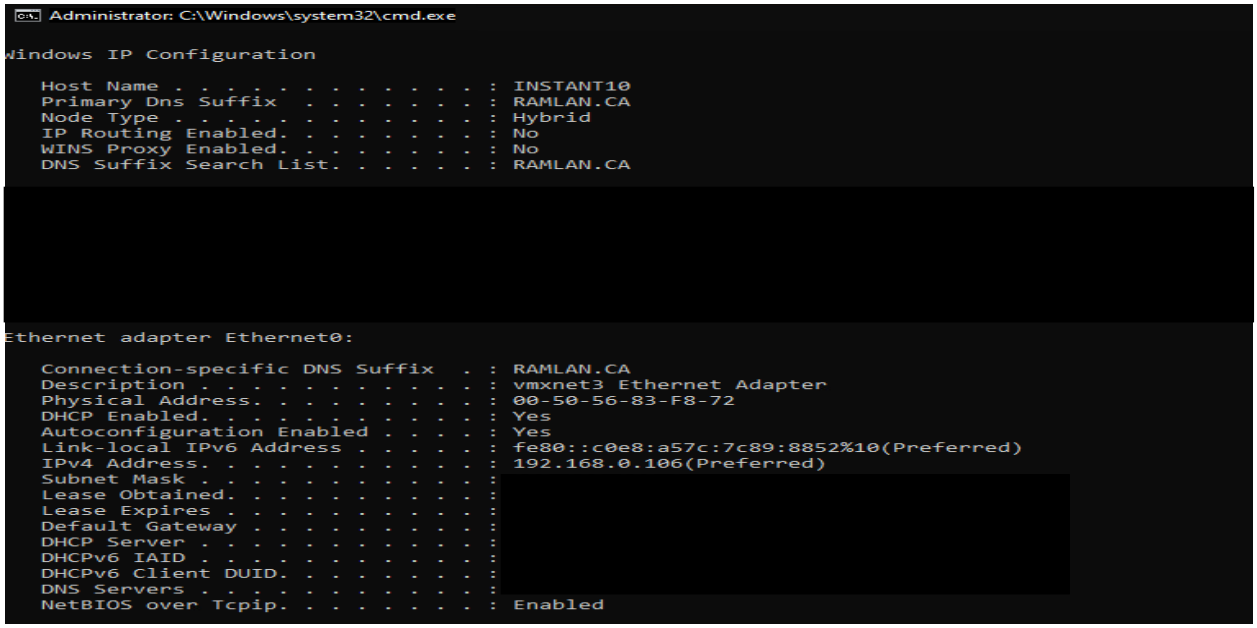
Click Analyze



Click Optimize

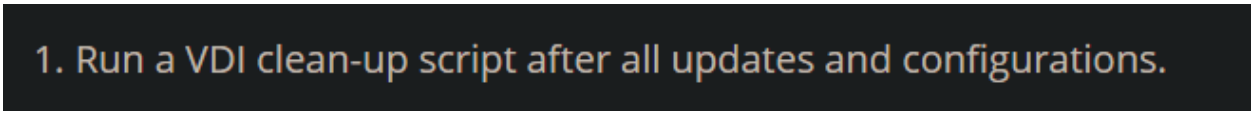


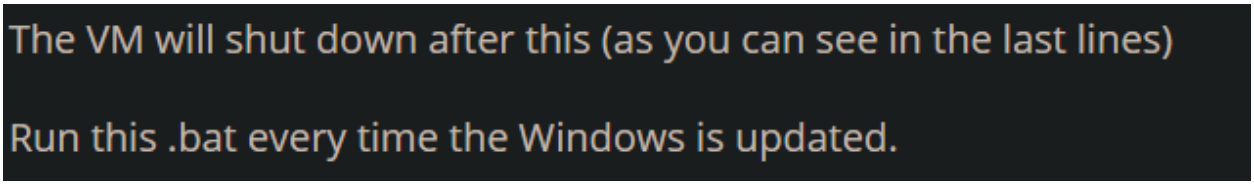


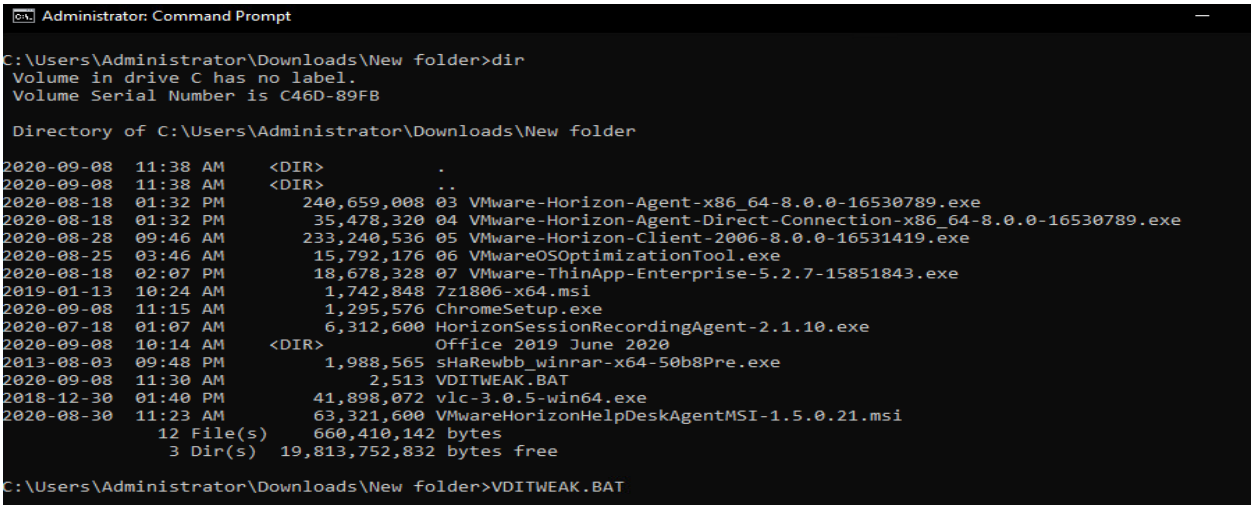


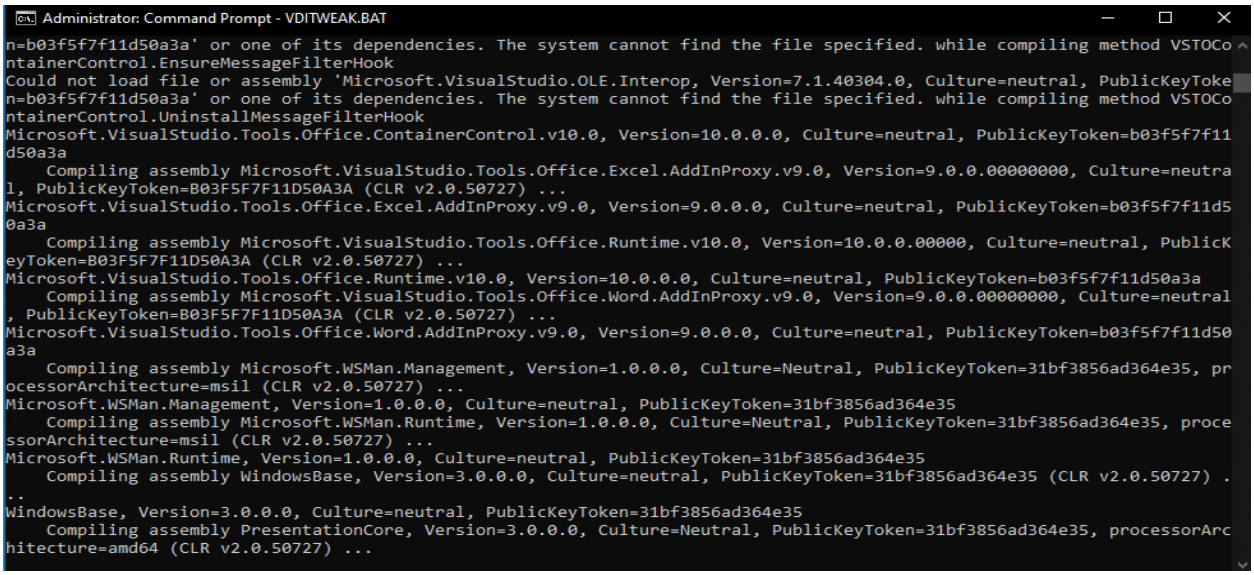
Run VDITWEAK batch script:

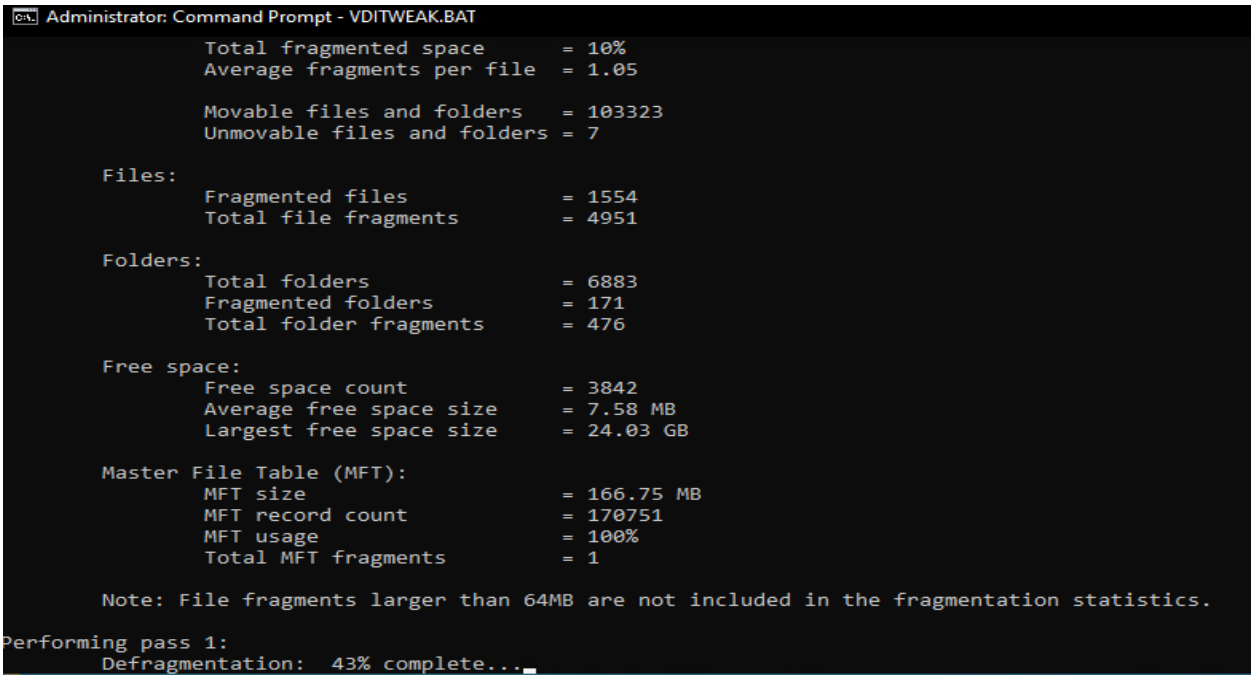
https://www.plonius.com/single-post/2017/07/20/VDI-cleanup-script---the-decisive-factor

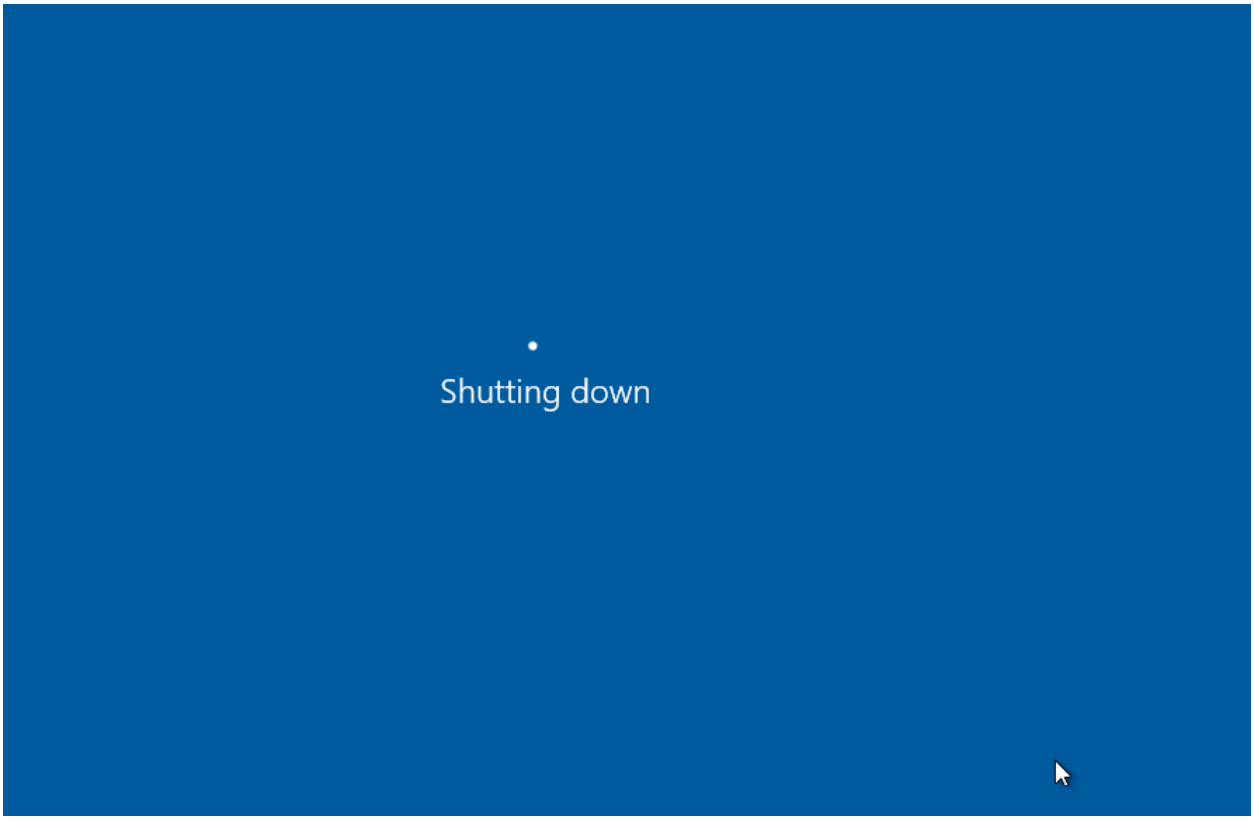




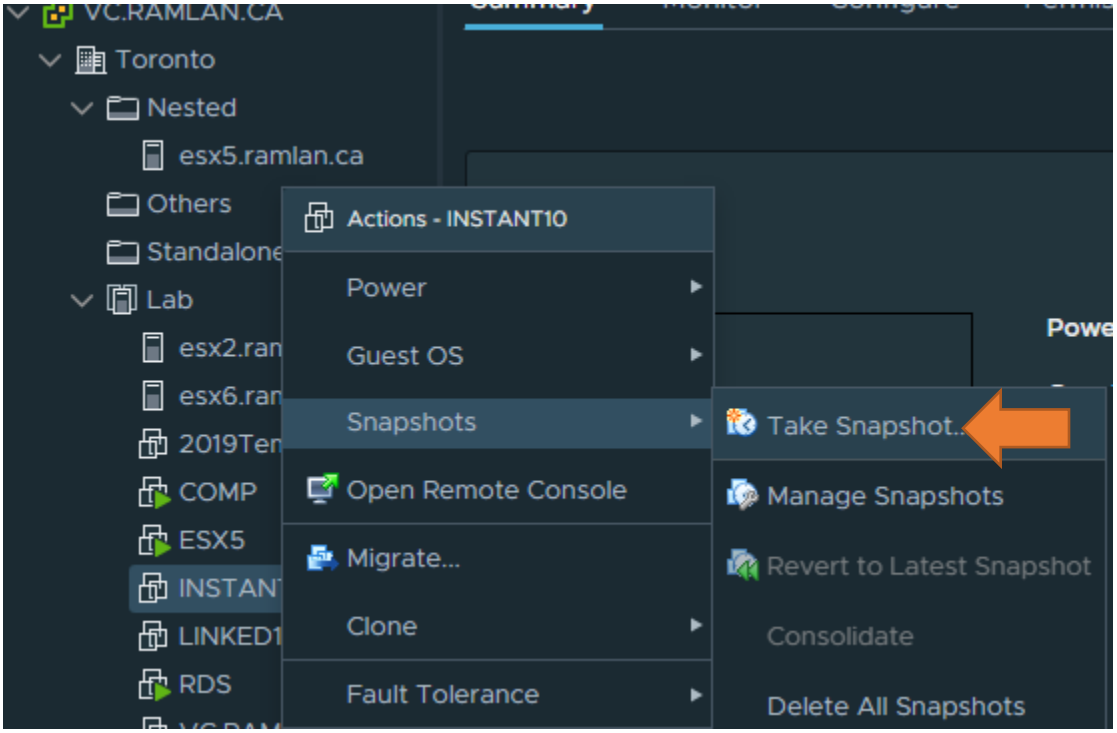

Administrator: Command Prompt
C:\Users\Administrator\Downloads\New folder>dir
Volume in drive C has no label.
Volume Serial Number is C46D-89FB
Directory of C:\Users\Administrator\Downloads\New folder
2020-09-08 11:38 AM <DIR> .
2020-09-08 11:38 AM <DIR> ..
2020-08-18 01:32 PM 240,659,008 03 VMware-Horizon-Agent-x86_64-8.0.0-16530789.exe
2020-08-18 01:32 PM 35,478,320 04 VMware-Horizon-Agent-Direct-Connection-x86_64-8.0.0-16530789.exe
2020-08-28 09:46 AM 233,240,536 05 VMware-Horizon-Client-2006-8.0.0-16531419.exe
2020-08-25 03:46 AM 15,792,176 06 VMwareOSOptimizationTool.exe
2020-08-18 02:07 PM 18,678,328 07 VMware-ThinApp-Enterprise-5.2.7-15851843.exe
2019-01-13 10:24 AM 1,742,848 7z1806-x64.msi
2020-09-08 11:15 AM 1,295,576 ChromeSetup.exe
2020-07-18 01:07 AM 6,312,600 HorizonSessionRecordingAgent-2.1.10.exe
2020-09-08 10:14 AM <DIR> Office 2019 June 2020
2013-08-03 09:48 PM 1,988,565 sHaRewbb_winrar-x64-50b8Pre.exe
2020-09-08 11:30 AM 2,513 VDITWEAK.BAT
2018-12-30 01:40 PM 41,898,072 vlc-3.0.5-win64.exe
2020-08-30 11:23 AM 63,321,600 VMwareHorizonHelpDeskAgentMSI-1.5.0.21.msi
12 File(s) 660,410,142 bytes
3 Dir(s) 19,813,752,832 bytes free
C:\Users\Administrator\Downloads\New folder>VDITWEAK.BAT

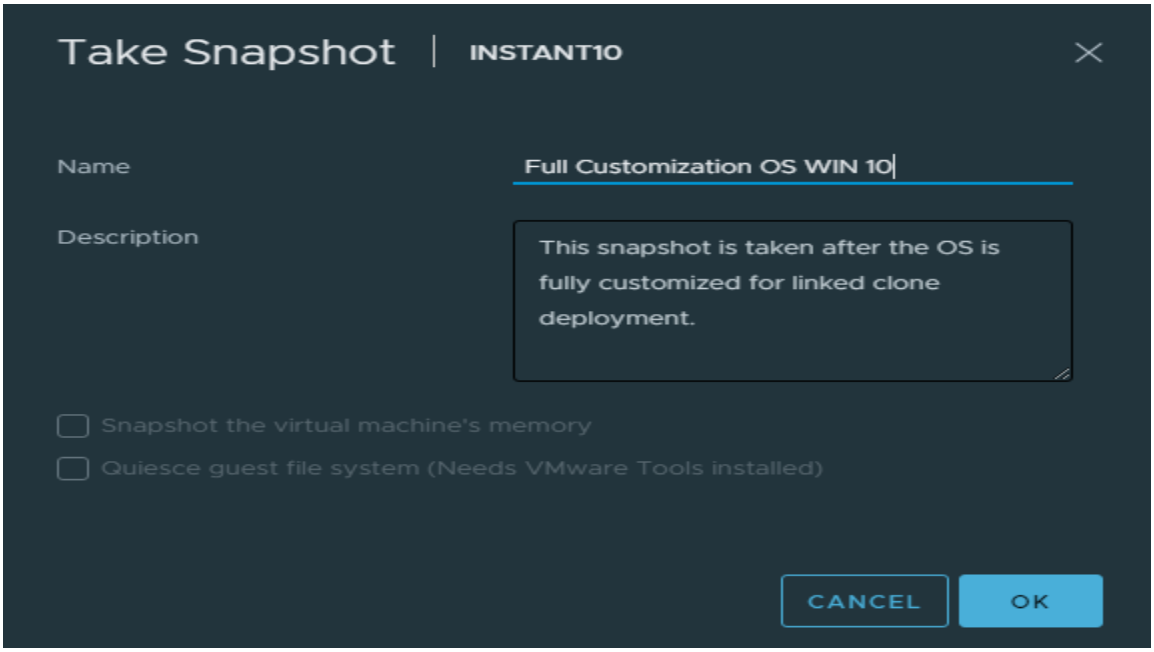

Administrator: Command Prompt - VDITWEAK.BAT
n=b03f5f7f11d50a3a' or one of its dependencies. The system cannot find the file specified. while compiling method VSTOCo
ntainerControl.EnsureMessageFilterHook
Could not load file or assembly 'Microsoft.VisualStudio.OLE.Interop, Version=7.1.40304.0, Culture=neutral, PublicKeyToke
n=b03f5f7f11d50a3a' or one of its dependencies. The system cannot find the file specified. while compiling method VSTOCo
ntainerControl.UninstallMessageFilterHook
Microsoft.VisualStudio.Tools.Office.ContainerControl.v10.0, Version=10.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11
d50a3a
Compiling assembly Microsoft.VisualStudio.Tools.Office.Excel.AddInProxy.v9.0, Version=9.0.0.00000000, Culture=neutra
l, PublicKeyToken=B03F5F7F11D50A3A (CLR v2.0.50727) ...
Microsoft.VisualStudio.Tools.Office.Excel.AddInProxy.v9.0, Version=9.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d5
0a3a
Compiling assembly Microsoft.VisualStudio.Tools.Office.Runtime.v10.0, Version=10.0.0.00000, Culture=neutral, PublicK
eyToken=B03F5F7F11D50A3A (CLR v2.0.50727) ...
Microsoft.VisualStudio.Tools.Office.Runtime.v10.0, Version=10.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a
Compiling assembly Microsoft.VisualStudio.Tools.Office.Word.AddInProxy.v9.0, Version=9.0.0.00000000, Culture=neutral
, PublicKeyToken=B03F5F7F11D50A3A (CLR v2.0.50727) ...
Microsoft.VisualStudio.Tools.Office.Word.AddInProxy.v9.0, Version=9.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50
a3a
Compiling assembly Microsoft.WSMan.Management, Version=1.0.0.0, Culture=Neutral, PublicKeyToken=31bf3856ad364e35, pr
ocessorArchitecture=msil (CLR v2.0.50727) ...
Microsoft.WSMan.Management, Version=1.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35
Compiling assembly Microsoft.WSMan.Runtime, Version=1.0.0.0, Culture=Neutral, PublicKeyToken=31bf3856ad364e35, proce
ssorArchitecture=msil (CLR v2.0.50727) ...
Microsoft.WSMan.Runtime, Version=1.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35
Compiling assembly WindowsBase, Version=3.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35 (CLR v2.0.50727) .
..
WindowsBase, Version=3.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35
Compiling assembly PresentationCore, Version=3.0.0.0, Culture=Neutral, PublicKeyToken=31bf3856ad364e35, processorArc
hitecture=amd64 (CLR v2.0.50727) ...

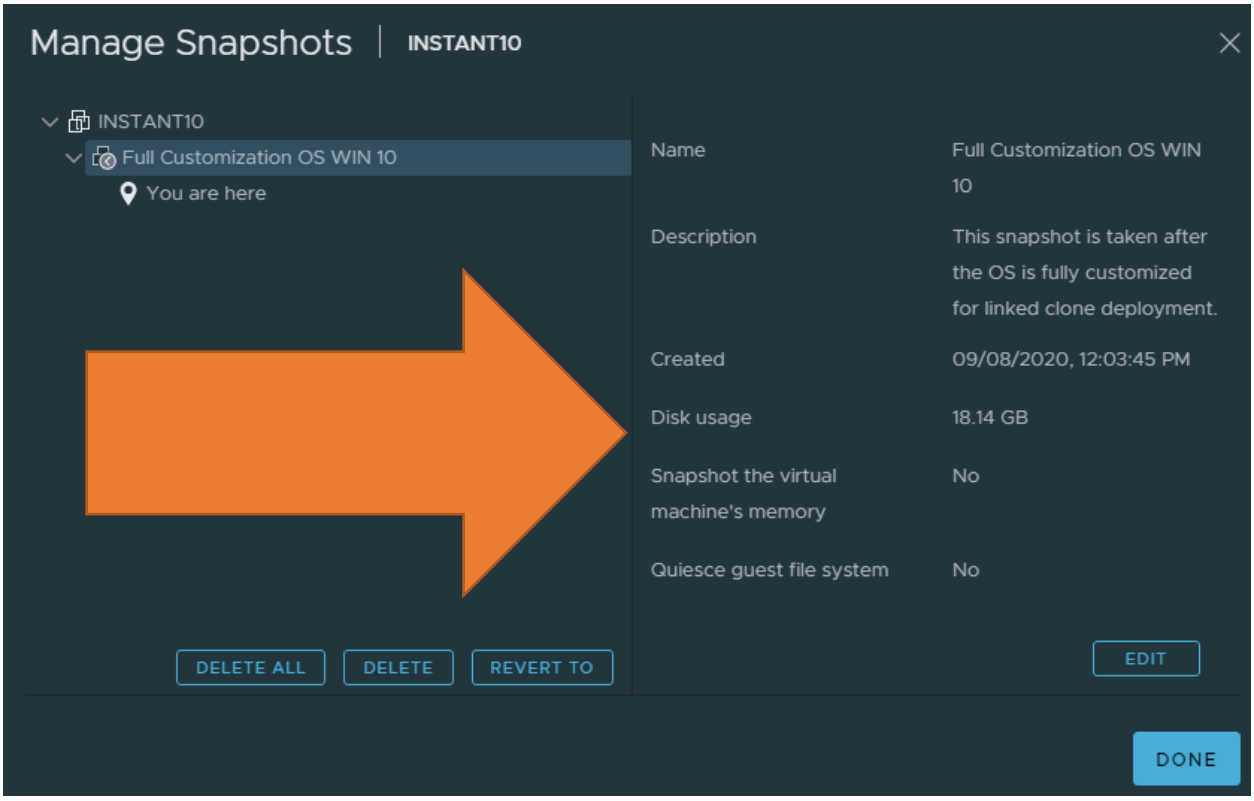

Administrator: Command Prompt - VDITWEAK.BAT
Total fragmented space = 10%
Average fragments per file = 1.05
Movable files and folders = 103323
Unmovable files and folders = 7
Files:
Fragmented files = 1554
Total file fragments = 4951
Folders:
Total folders = 6883
Fragmented folders = 171
Total folder fragments = 476
Free space:
Free space count = 3842
Average free space size = 7.58 MB
Largest free space size = 24.03 GB
Master File Table (MFT):
MFT size = 166.75 MB
MFT record count = 170751
MFT usage = 100%
Total MFT fragments = 1
Note: File fragments larger than 64MB are not included in the fragmentation statistics.
Performing pass 1:
Defragmentation: 43% complete...



Take Snapshot:







I will perform linked clone deployment in Part 5.

Thanks

Ram Lan
8th Sep 2020

https://mulcas.com/vdi-lab-2018-part-11-create-a-windows-10-golden-image/