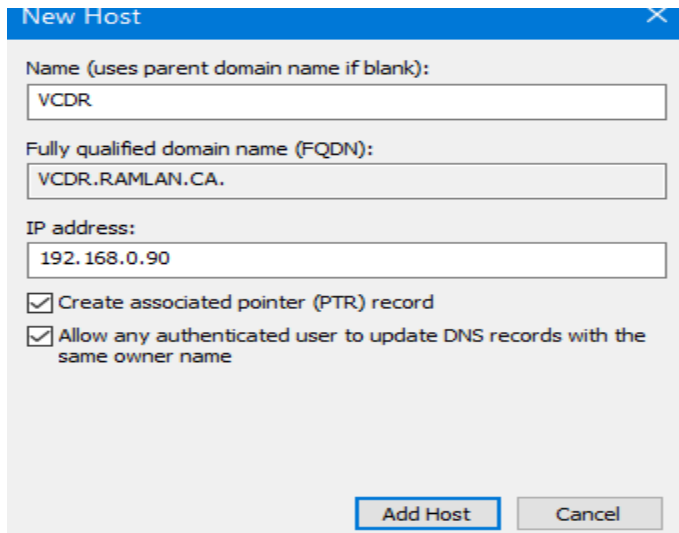


How to install multiple vCenter within the same DataCenter

In this post, I am going to install 2nd vCenter within home lab for testing SRM and Replication Appliance.

Currently, I have 1 vCenter (VC.RAMLAN.CA) installed and configured including DataCenter & Cluster. I am going to add another vCenter for Disaster Recovery testing using SRM and Replication Appliance.

Before starting the install, I did create New Host Record on the DNS Server for name resolution, so we don't have any issue during vCenter install.



New Host

Name (uses parent domain name if blank):
VCDR

Fully qualified domain name (FQDN):
VCDR.RAMLAN.CA.

IP address:
192.168.0.90

☒ Create associated pointer (PTR) record

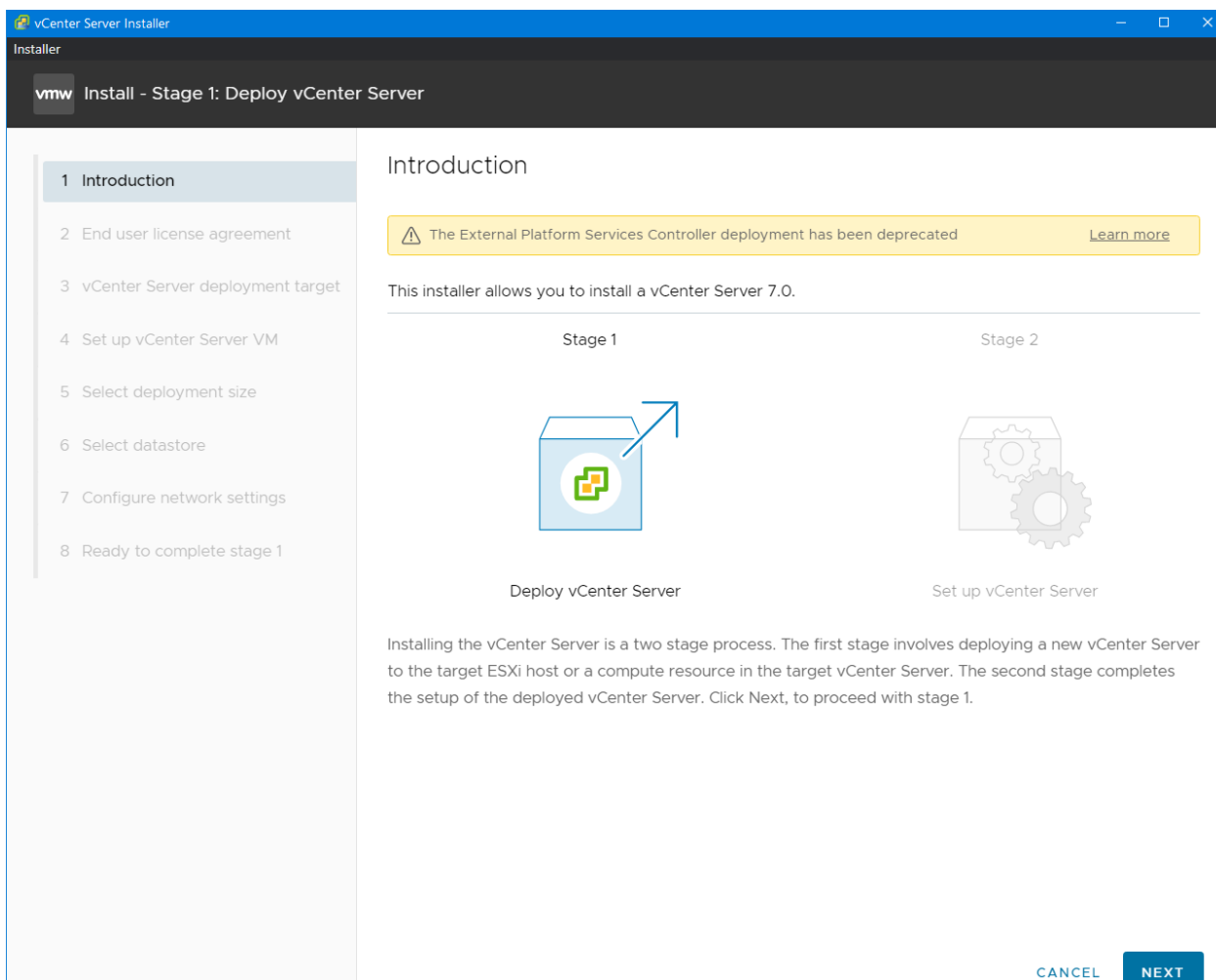
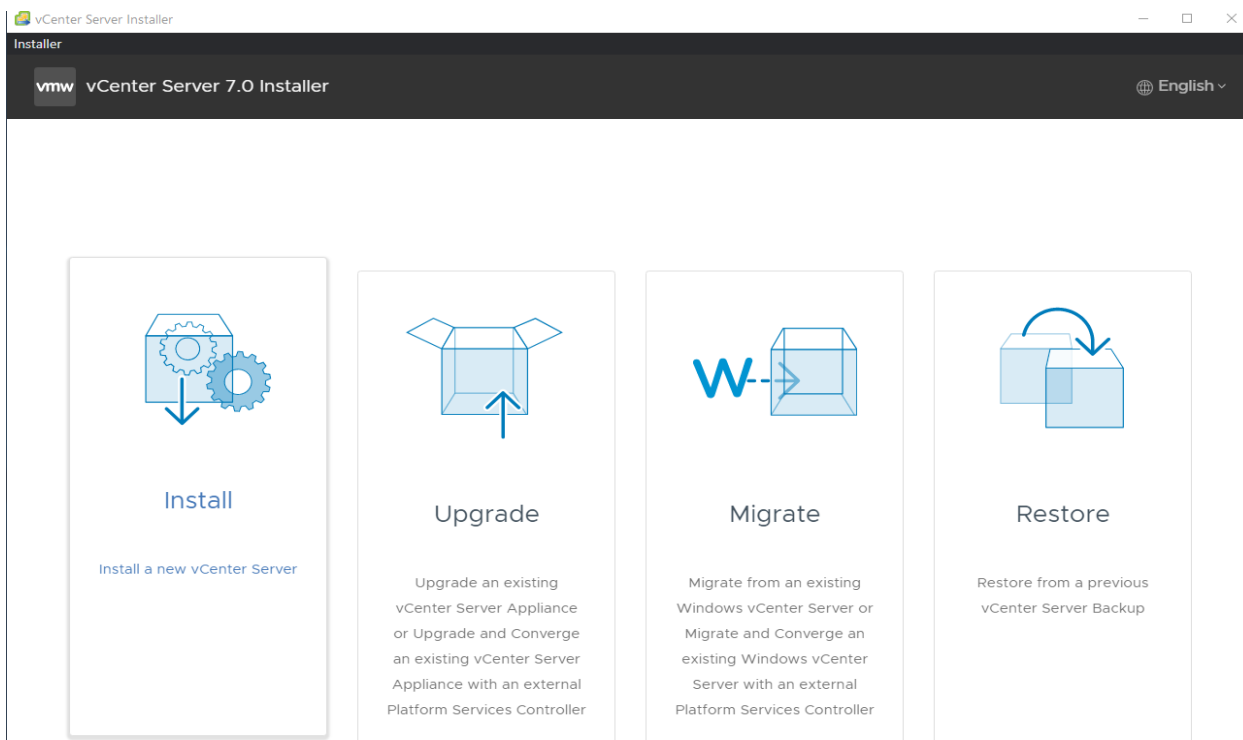
☒ Allow any authenticated user to update DNS records with the same owner name

Add Host Cancel

It is also worth noting that with 7.x VMware no longer support external platform services controllers (PSCs) and an embedded PSC will be deployed as part of this VCSA install.

Mount the ISO and run the installer.exe

Name	Date modified	Type	Size
locales	11-Mar-2022 3:...	File folder	
resources	11-Mar-2022 3:...	File folder	
swiftshader	11-Mar-2022 3:...	File folder	
chrome_100_percent.pak	20-Oct-2021 8:...	PAK File	139 KB
chrome_200_percent.pak	20-Oct-2021 8:...	PAK File	203 KB
d3dcompiler_47.dll	20-Oct-2021 8:...	Application exte...	3,628 KB
ffmpeg.dll	20-Oct-2021 8:...	Application exte...	2,545 KB
icudtl.dat	20-Oct-2021 8:...	DAT File	10,170 KB
installer.exe	20-Oct-2021 8:...	Application	114,884 ...
libEGL.dll	20-Oct-2021 8:...	Application exte...	363 KB
libGLSv2.dll	20-Oct-2021 8:...	Application exte...	6,779 KB
LICENSE	20-Oct-2021 8:...	File	2 KB
LICENSES.chromium.html	20-Oct-2021 8:...	Chrome HTML ...	5,245 KB
resources.pak	20-Oct-2021 8:...	PAK File	4,968 KB
snapshot_blob.bin	20-Oct-2021 8:...	Virtual CloneDri...	48 KB
v8_context_snapshot.bin	20-Oct-2021 8:...	Virtual CloneDri...	162 KB
version	20-Oct-2021 8:...	File	1 KB
vk_swiftshader.dll	20-Oct-2021 8:...	Application exte...	3,985 KB
vk_swiftshader_icd.json	20-Oct-2021 8:...	JSON File	1 KB
vulkan-1.dll	20-Oct-2021 8:...	Application exte...	635 KB



vCenter Server Installer

Installer

vmw Install - Stage 1: Deploy vCenter Server

1 Introduction

2 End user license agreement

3 vCenter Server deployment target

4 Set up vCenter Server VM

5 Select deployment size

6 Select datastore

7 Configure network settings

8 Ready to complete stage 1

End user license agreement

Read and accept the following license agreement.

VMWARE END USER LICENSE AGREEMENT

Last updated: 03 May 2021

THE TERMS OF THIS END USER LICENSE AGREEMENT ("EULA") GOVERN YOUR USE OF THE SOFTWARE, REGARDLESS OF ANY TERMS THAT MAY APPEAR DURING THE INSTALLATION OF THE SOFTWARE.

BY DOWNLOADING, DEPLOYING, OR USING THE SOFTWARE, YOU AGREE TO BE BOUND BY THE TERMS OF THIS EULA. IF YOU DO NOT AGREE TO THE TERMS OF THIS EULA, YOU MUST NOT DOWNLOAD, DEPLOY, OR USE THE SOFTWARE, AND YOU MUST DELETE OR RETURN THE UNUSED

☒ I accept the terms of the license agreement.

CANCEL

BACK

NEXT

vCenter Server Installer

Installer

vmw Install - Stage 1: Deploy vCenter Server

1 Introduction

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8 Ready to complete stage 1

vCenter Server deployment target

Specify the vCenter Server deployment target settings. The target is the ESXi host or vCenter Server instance on which the vCenter Server will be deployed.

ESXi host or vCenter Server name

ESX1RAMLAN.CA

HTTPS port

443

User name

root

Password

.....

CANCEL

BACK

NEXT

vCenter Server Installer

Installer

vmw

Install - Stage 1: Deploy vCenter Server

1 Introduction

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4 Set up vCenter Server VM

5 Select deployment size

6 Select datastore

7 Configure network settings

8 Ready to complete stage 1

Set up vCenter Server VM

Specify the VM settings for the vCenter Server to be deployed.

VM name

VCDR.RAMLAN.CA

Set root password

.....

Confirm root password

.....

CANCEL

BACK

NEXT

vCenter Server Installer

Installer

vmw

Install - Stage 1: Deploy vCenter Server

1 Introduction

2 End user license agreement

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5 Select deployment size

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7 Configure network settings

8 Ready to complete stage 1

Select deployment size

Select the deployment size for this vCenter Server.

For more information on deployment sizes, refer to the vSphere 7.0 documentation.

Deployment size

Small

Storage size

Default

Resources required for different deployment sizes

Deployment Size	vCPUs	Memory (GB)	Storage (GB)	Hosts (up to)	VMs (up to)
Tiny	2	12	579	10	100
Small	4	19	694	100	1000
Medium	8	28	908	400	4000
Large	16	37	1358	1000	10000
X-Large	24	56	2283	2000	35000

CANCEL

BACK

NEXT

vmw

Install - Stage 1: Deploy vCenter Server

1 Introduction

2 End user license agreement

3 vCenter Server deployment target

4 Set up vCenter Server VM

5 Select deployment size

6 Select datastore

7 Configure network settings

8 Ready to complete stage 1

Select datastore

Select the storage location for this vCenter Server

☒ Show only compatible datastores

Name	Type	Capacity	Free	Provisioned	Thin Provisioning
ESX1DS	VMFS-6	1.51 TB	1.41 TB	101.95 GB	Supported
Datastore	VMFS-6	999.75 GB	978.4 GB	21.35 GB	Supported

2 items

☒ Enable Thin Disk Mode ⓘ

CANCEL

BACK

NEXT

vmw

Install - Stage 1: Deploy vCenter Server

1 Introduction

2 End user license agreement

3 vCenter Server deployment target

4 Set up vCenter Server VM

5 Select deployment size

6 Select datastore

7 Configure network settings

8 Ready to complete stage 1

Configure network settings

Configure network settings for this vCenter Server

Network

VM Network ⓘ

IP version

IPv4

IP assignment

static

FQDN

VCDR.RAMLAN.CA ⓘ

IP address

192.168.0.90

Subnet mask or prefix length

255.255.255.0 ⓘ

Default gateway

192.168.0.1

DNS servers

192.168.0.2,192.168.0.22

Common Ports

HTTP

80

CANCEL

BACK

NEXT

vmw

Install - Stage 1: Deploy vCenter Server

1 Introduction

2 End user license agreement

3 vCenter Server deployment target

4 Set up vCenter Server VM

5 Select deployment size

6 Select datastore

7 Configure network settings

8 Ready to complete stage 1

Ready to complete stage 1

Review your settings before starting the vCenter Server deployment.

Deployment Details

Target ESXi host

ESX1.RAMLAN.CA

VM name

VCDR.RAMLAN.CA

Deployment size

Small

Storage size

Default

Datastore Details

Datastore , Disk mode

ESX1DS , thin

Network Details

Network

VM Network

IP settings

IPv4 , static

IP address

192.168.0.90

Host name

VCDR.RAMLAN.CA

Subnet mask or prefix length

255.255.255.0

Default gateway

192.168.0.1

CANCEL

BACK

FINISH

Install - Stage 1: Deploy vCenter Server

0%

Initializing...

CANCEL

Install - Stage 1: Deploy vCenter Server

26%

Deploying the vCenter Server

CANCEL

Install - Stage 1: Deploy vCenter Server

 You have successfully deployed the vCenter Server.

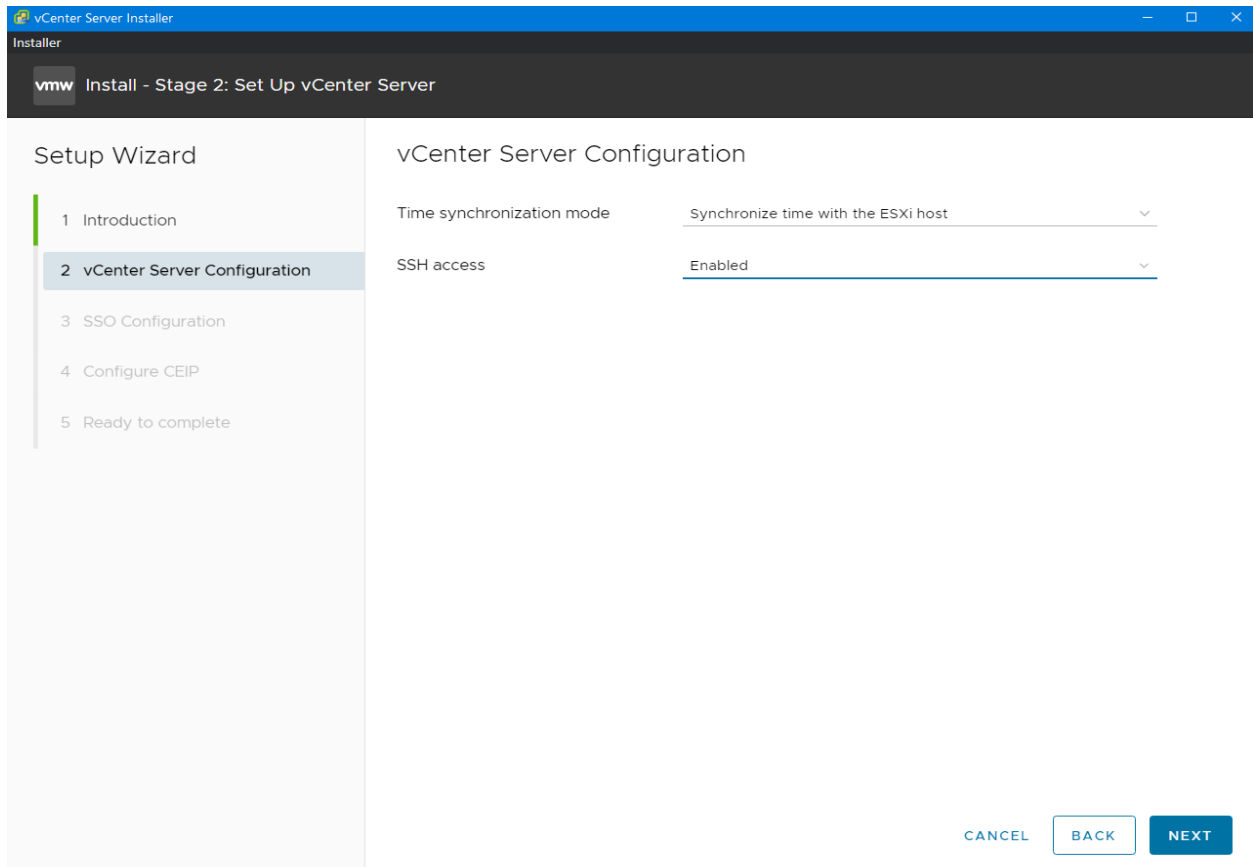
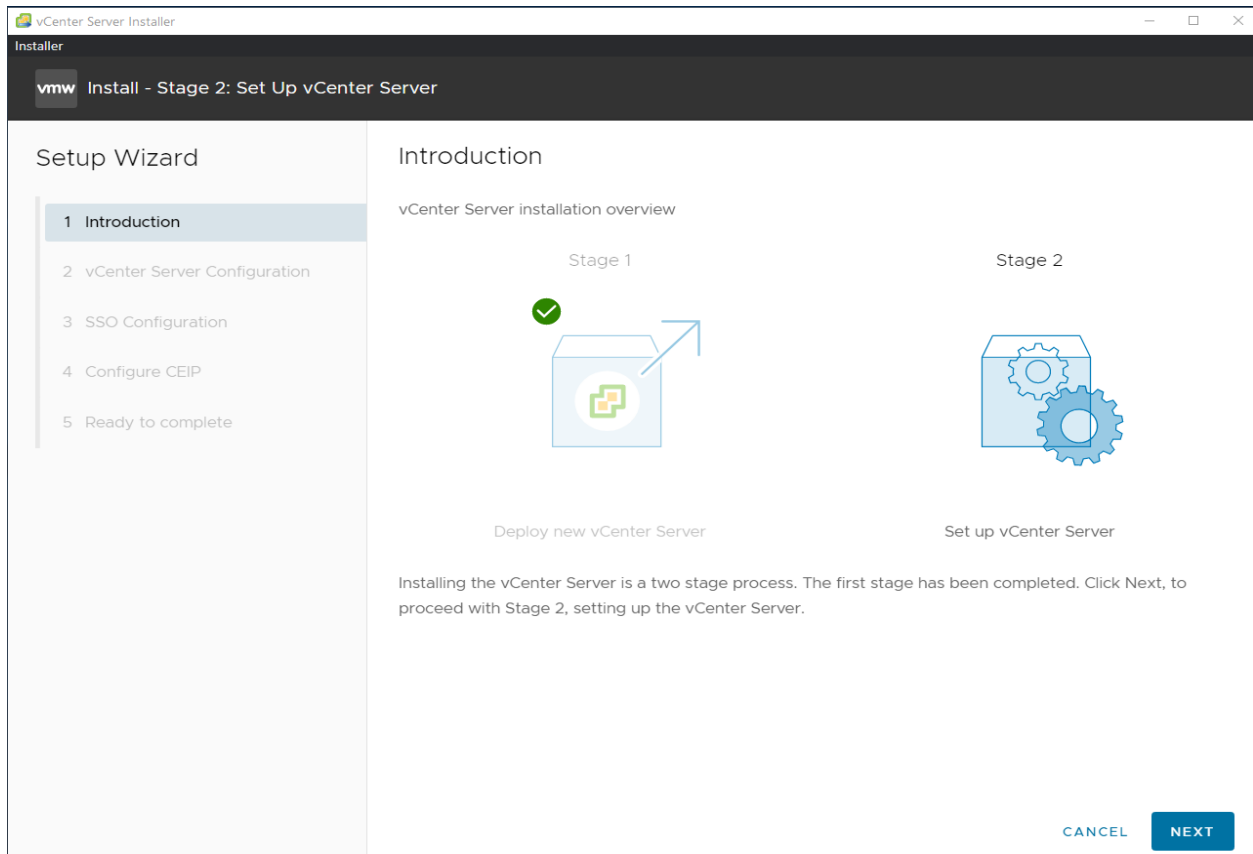
To proceed with stage 2 of the deployment process, vCenter Server setup, click Continue.

If you exit, you can continue with the vCenter Server setup at any time by logging in to the vCenter Server Management Interface
<https://VCDR.RAMLAN.CA:5480/>

CANCEL

CLOSE

CONTINUE



This is where we should select Join existing SSO domain so we can make use of embedded PSC database.

vCenter Server Installer

Installer

vmw Install - Stage 2: Set Up vCenter Server

Setup Wizard

- 1 Introduction
- 2 vCenter Server Configuration
- 3 SSO Configuration
- 4 Configure CEIP
- 5 Ready to complete

SSO Configuration

☐ Create a new SSO domain

☒ Join an existing SSO domain

vCenter Server ① VC.RAMLAN.CA

Https port 443

Single Sign-On username administrator

Single Sign-On password ①

CANCEL BACK NEXT

vCenter Server Installer

Installer

vmw Install - Stage 2: Set Up vCenter Server

Setup Wizard

- 1 Introduction
- 2 vCenter Server Configuration
- 3 SSO Configuration
- 4 Configure CEIP
- 5 Ready to complete

Configure CEIP

Join the VMware Customer Experience Improvement Program

Participating in VMware's Customer Experience Improvement Program ("CEIP") enables VMware to provide you with a proactive, reliable, and consistent vSphere environment and experience. Examples of such enhancements can be seen in the following features:

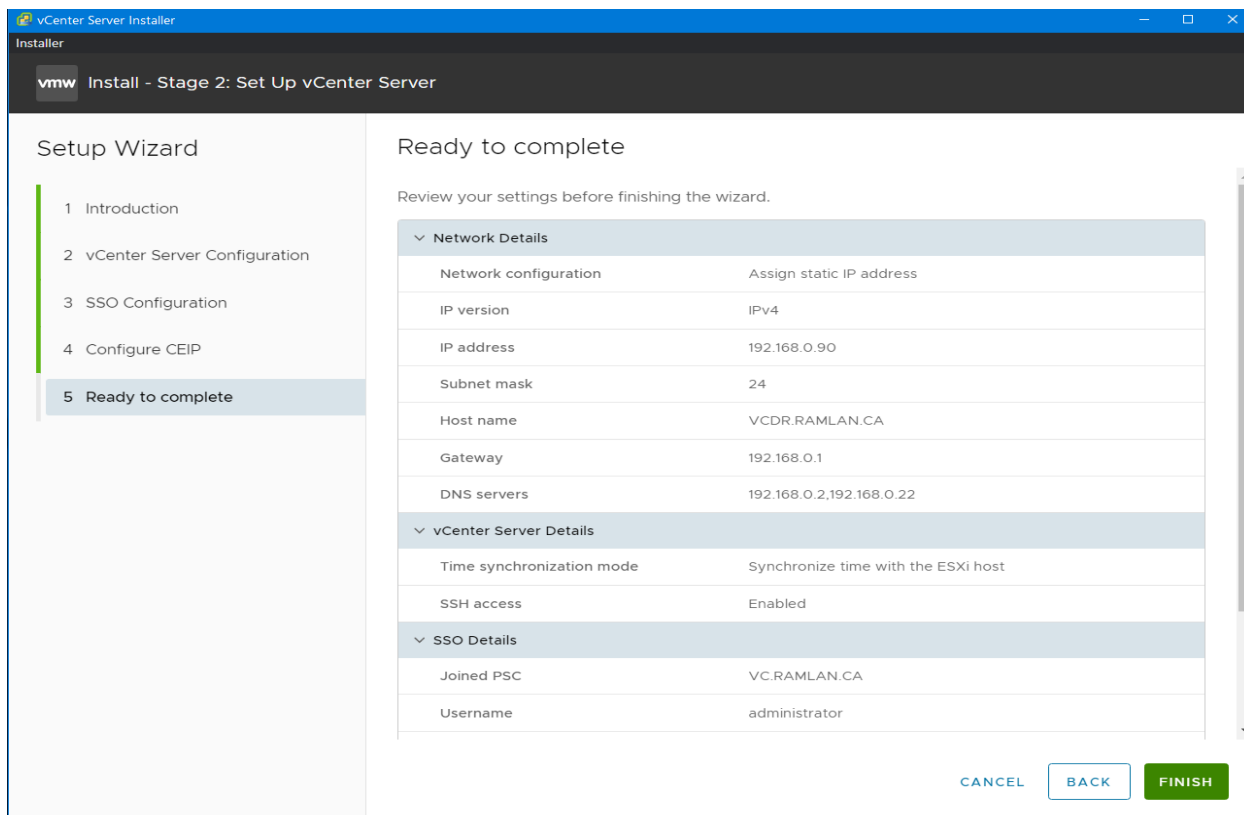
- vSphere Health
- vSAN Online Health
- vCenter Server Update Planner
- vSAN Performance Analytics
- Host Hardware Compatibility
- vSAN Support Insight

CEIP collects configuration, feature usage, and performance information. No personally identifiable information is collected. All data is sanitized and obfuscated prior to being received by VMware.

For additional information on CEIP and the data collected, please see VMware's [Trust & Assurance Center](#).

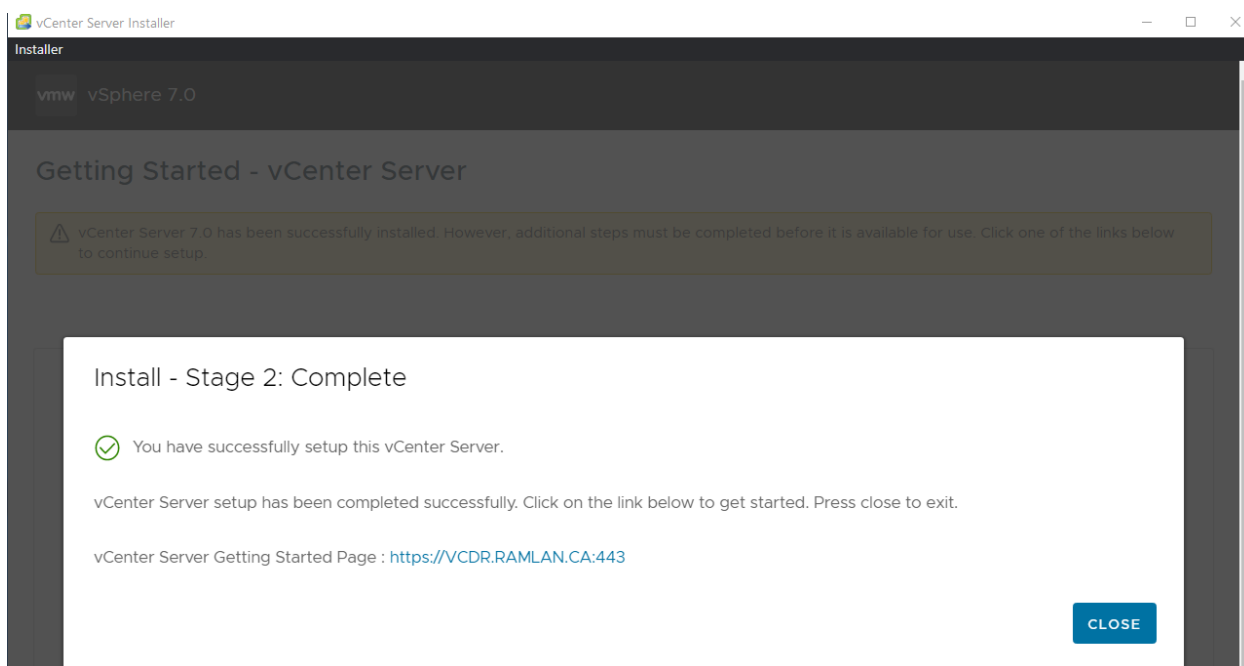
☒ Join the VMware's Customer Experience Improvement Program (CEIP)

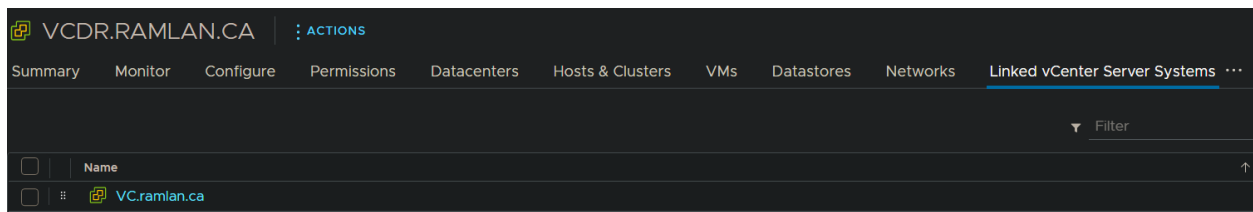
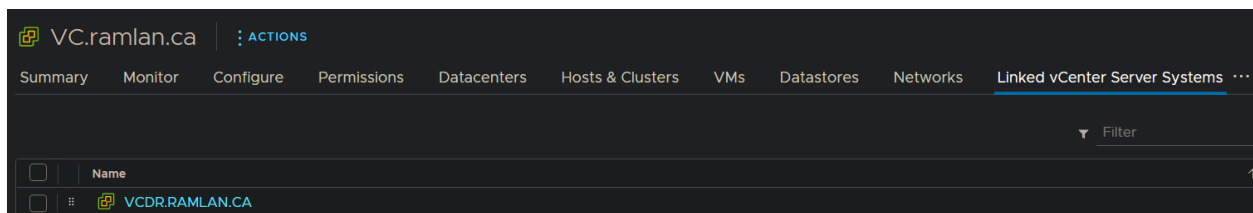
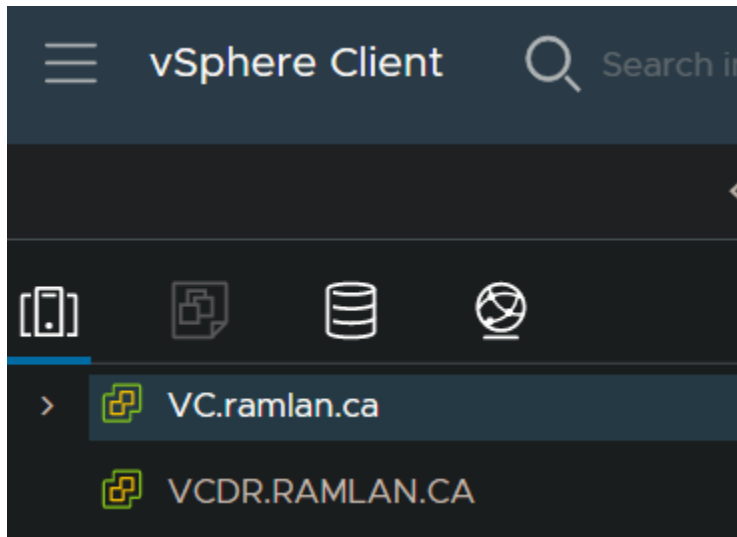
CANCEL BACK NEXT



Warning

 You will not be able to pause or stop the install from completing once its started. Click OK to continue, or Cancel to stop the install.





With this we have completed installing and configuring 2 vCenter.

Thanks

Ram

24th Apr 2022