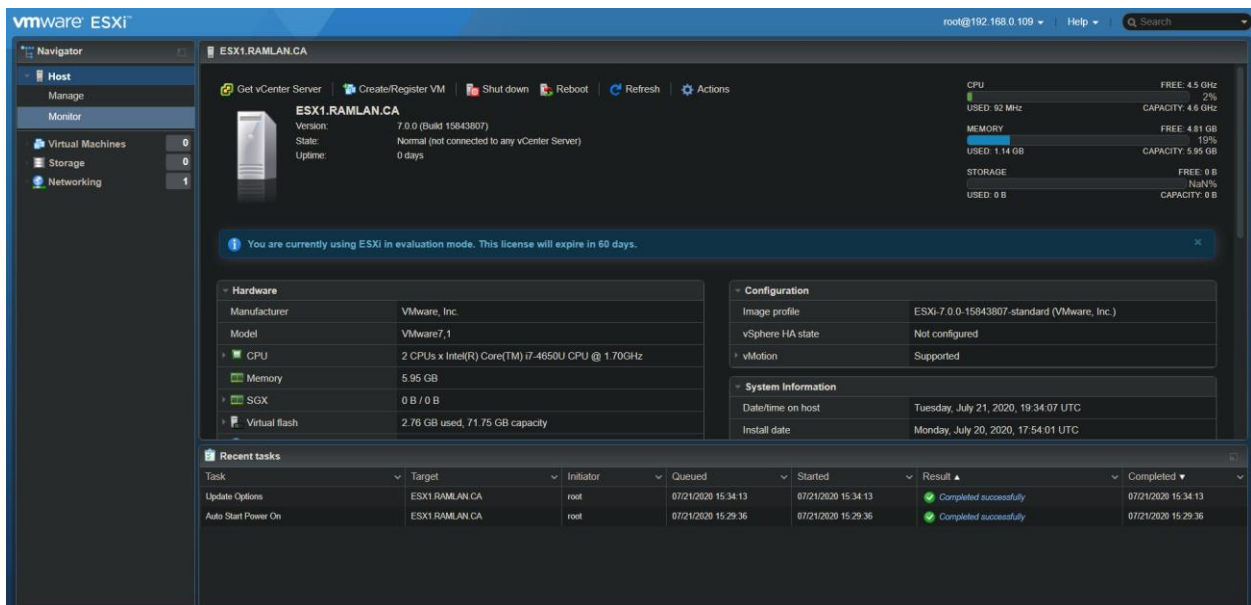
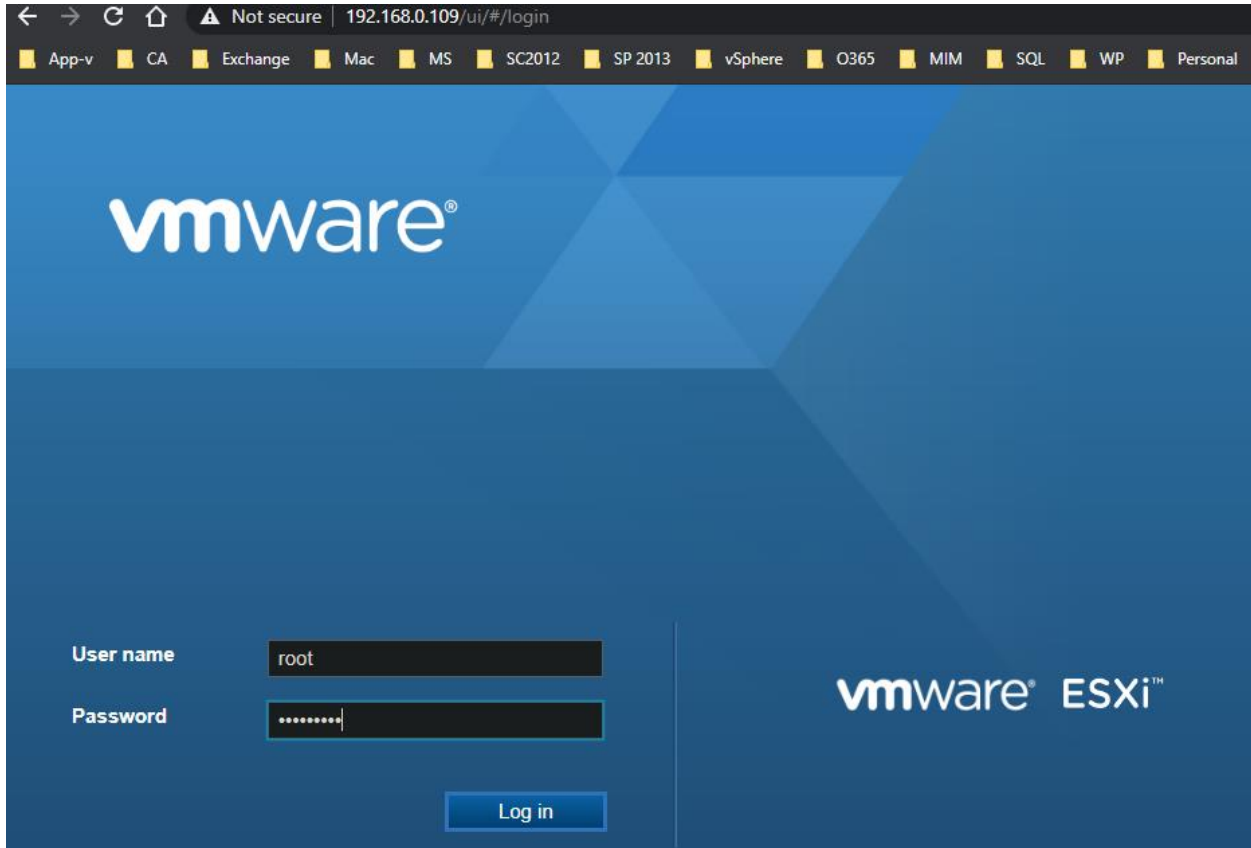


vSphere 7 Post Configuration

In this post, I will show you what we have configure after installing vSphere 7

1. Login to vSphere by IP or Hostname



2. NTP Setting

The screenshot shows the 'System' settings page with the 'Time & date' section selected. The configuration is as follows:

Setting	Value
Current date and time	Tuesday, July 21, 2020, 19:40:09 UTC
NTP service status	Running
NTP servers	1. pool.ntp.org
PTP client	Disabled
PTP service status	Stopped
Network interface	--

3. Start this service

The screenshot shows the 'Services' page with a list of services. An orange arrow points to the 'ntpd' service.

Name	Description
attestd	attestd
DCUI	Direct Console UI
kmsd	kmsd
lbtd	Load-Based Teaming Daemon
lwsmd	Active Directory Service
ntpd	NTP Daemon

4. Check Licensing Status

The screenshot shows the 'Licensing' page for ESX1.RAMLAN.CA. It displays the following information:

Evaluation Mode

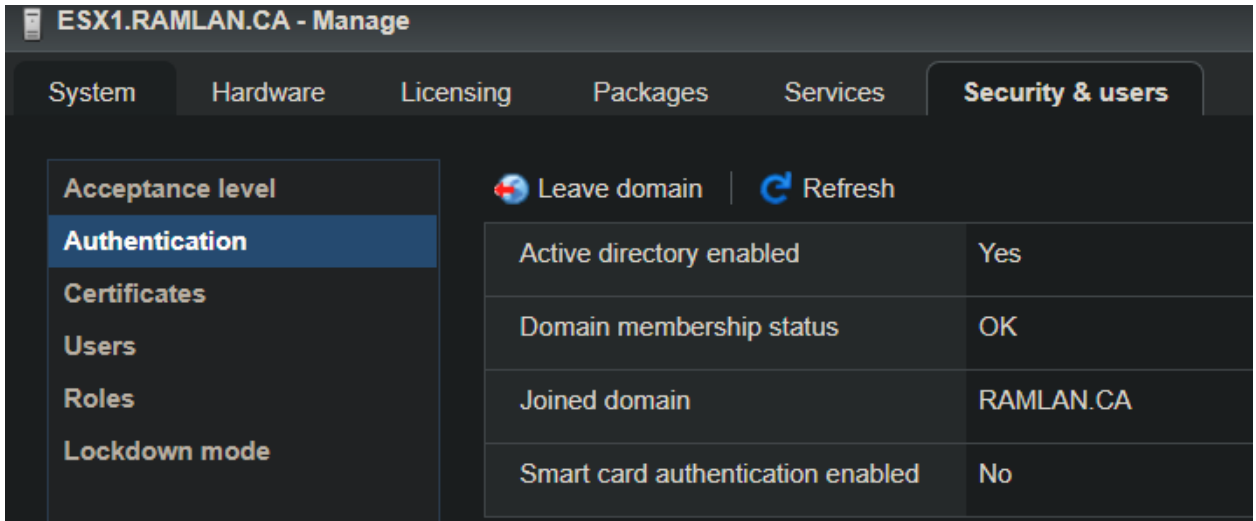
Key: 00000-00000-00000-00000-00000

Expiration date: Saturday, September 19, 2020, 15:44:50 -0400

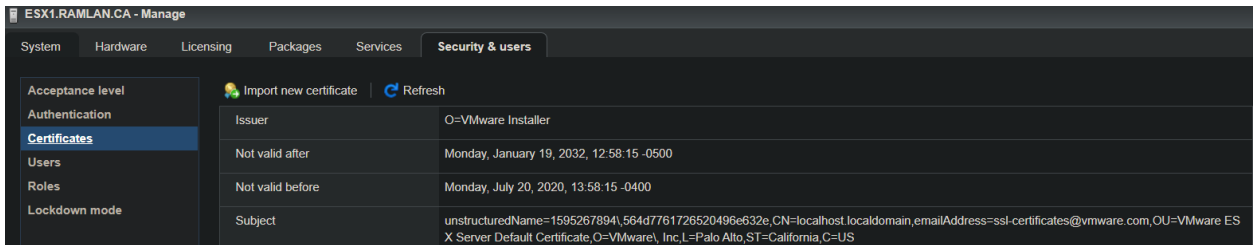
Features:

- Unlimited virtual SMP
- H.264 for Remote Console Connections
- vCenter agent for VMware host
- vSphere API
- Content Library
- Storage APIs
- vSphere vMotion
- X-Switch vMotion
- vSphere HA
- vSphere Data Protection
- vShield Endpoint
- vSphere Replication
- vShield Zones
- Hot-Pluggable virtual HW
- vSphere Storage vMotion
- Shared Smart Card Reader
- vSphere FT (up to 8 virtual CPUs)
- Virtual Volumes
- APIs for Storage Awareness
- Storage-Policy Based Management
- vSphere Storage APIs for Array Integration

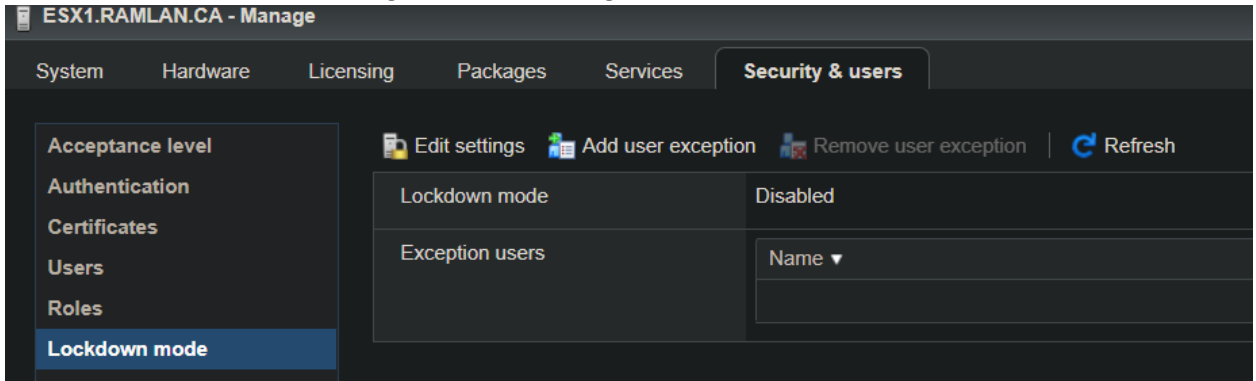
5. Join to Domain



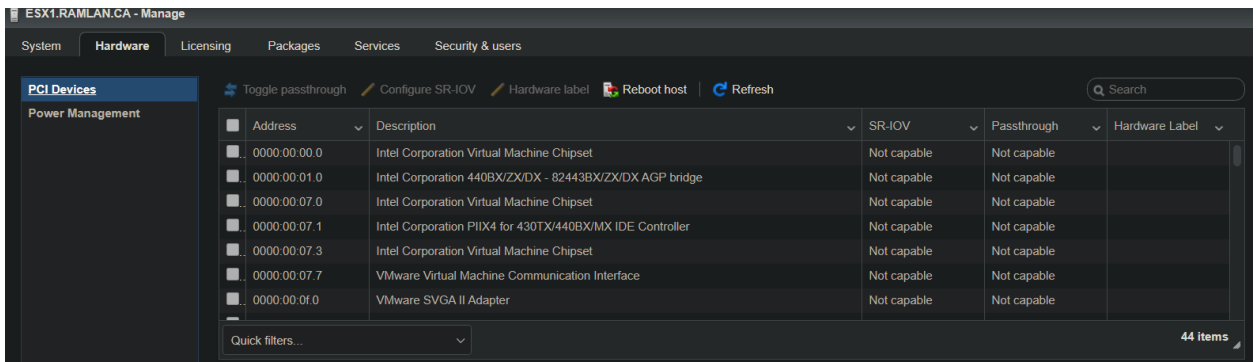
6. Check Certificates – We will install internal certificate issue from CA later



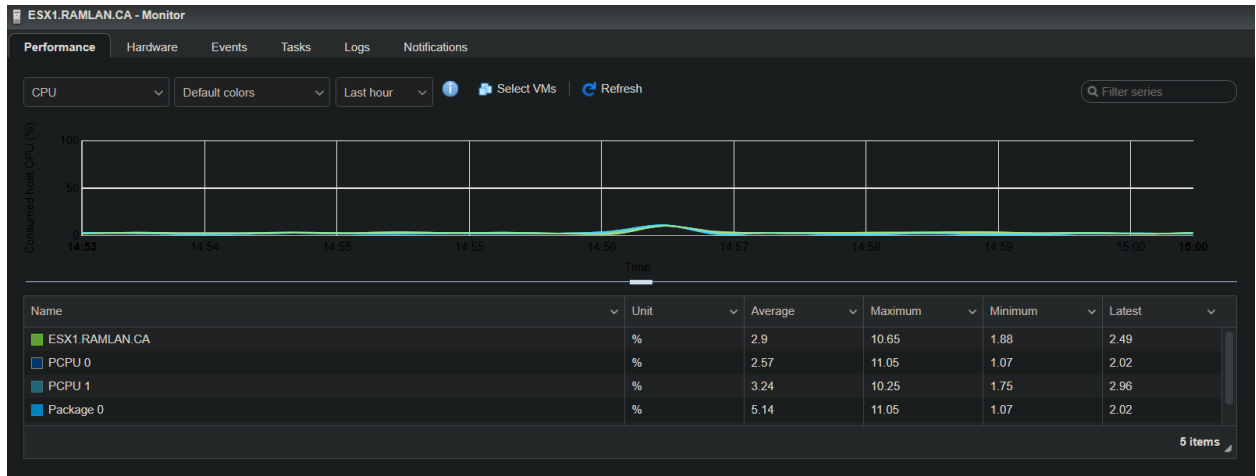
7. Lockdown Mode – We will configure after installing vCenter Server



8. Check Hardware



9. Check Monitor Performance



10. Add iSCSI Storage – I will be using EMC SAN Storage

The screenshot shows the 'Configure iSCSI - vmhba0' dialog box. The 'iSCSI enabled' checkbox is checked. The 'Name & alias' field contains 'iqn.1998-01.com.vmware.esx1-6f8964a6'. The 'CHAP authentication' and 'Mutual CHAP authentication' dropdowns are set to 'Do not use CHAP'. The 'Network port bindings' section shows 'No port bindings'. The 'Static targets' section contains the following table:

Target	Address	Port
iqn.1992-04.com.emc.storage.EMC-NAS.Veritas	192.168.0.184	3260
iqn.1992-04.com.emc.storage.EMC-NAS.Veritas	169.254.190.20	3260
iqn.1992-04.com.emc.storage.EMC-NAS.Veeam	192.168.0.184	3260
iqn.1992-04.com.emc.storage.EMC-NAS.Veeam	169.254.190.20	3260
iqn.1992-04.com.emc.storage.EMC-NAS.VM	192.168.0.184	3260

Datstores **Adapters** Devices Persistent Memory

Configure iSCSI Software iSCSI Rescan Refresh Actions Search

Name	Model	Status	Driver
vmhba0	PVSCSI SCSI Controller	Unknown	pvscsi
vmhba1	PIIX4 for 430TX/440BX/MX IDE Controller	Unknown	vmkata
vmhba64	PIIX4 for 430TX/440BX/MX IDE Controller	Unknown	vmkata
vmhba65	iSCSI Software Adapter	Online	iscsi_vmk

4 items

New datastore Increase capacity Rescan Refresh Actions Search

Name	Status	Type	Capacity	Queue Depth	Vendor
EMC iSCSI Disk (naa.5000144f88602323)	Normal, Degraded	Disk	1,000 GB	128	EMC
EMC iSCSI Disk (naa.5000144f23823062)	Normal, Degraded	Disk	1,000 GB	128	EMC
Local NECVMWar CD-ROM (mpx.vmhba64:C0:T0:L0)	Normal	CDROM	Unknown	N/A	VMware
EMC iSCSI Disk (naa.5000144f85409168)	Normal, Degraded	Disk	1,000 GB	128	EMC
Local VMware, Disk (mpx.vmhba0:C0:T0:L0)	Normal	Disk (SSD)	80 GB	1024	VMware

5 items


Datstores Adapters Devices Persistent Memory

New datastore Increase capacity Register a VM Datastore browser Refresh Actions

Name	Drive Type	Capacity	Provisioned
------	------------	----------	-------------

New datastore

- 1 **Select creation type**
- 2 Select device
- 3 Select partitioning options
- 4 Ready to complete



Select creation type

How would you like to create a datastore?

Create new VMFS datastore

Add an extent to existing VMFS datastore

Expand an existing VMFS datastore extent

Mount NFS datastore

Create a new VMFS datastore on a local disk device

Back
Next
Finish
Cancel

New datastore

- ✓ 1 Select creation type
- ✓ 2 Select device
- 3 Select partitioning options
- 4 Ready to complete

Select device

Select a device on which to create a new VMFS partition

Name

The following devices are unclaimed and can be used to create a new VMFS datastore

Name	Type	Capacity	Free space
EMC iSCSI Disk (naa.5000144f49928773)	Disk	1,000 GB	1,000 GB

1 items

vmware

Back Next Finish Cancel

New datastore - Datastore5

- ✓ 1 Select creation type
- ✓ 2 Select device
- ✓ 3 Select partitioning options
- 4 Ready to complete


Select partitioning options

Select how you would like to partition the device

Use full disk VMFS 6


Before, select a partition

Free space (1,000 GB)



After

1. VMFS (1,000 GB)



vmware

Back Next Finish Cancel

New datastore - Datastore5

- ✓ 1 Select creation type
- ✓ 2 Select device
- ✓ 3 Select partitioning options
- ✓ 4 Ready to complete

Ready to complete

Summary

Name	Datastore5
Disk	EMC iSCSI Disk (naa.5000144f49928773)
Partitioning	Use full disk
VMFS version	6

VMFS (1,000 GB)

vmware

Back Next Finish Cancel

Warning

The entire contents of this disk are about to be erased and replaced with the specified configuration, are you sure?

Yes No

Datstores Adapters Devices Persistent Memory

New datastore Increase capacity Register a VM Datastore browser Refresh Actions

Name	Drive Type	Capacity	Provisioned	Free	Type	Thin provisioning	Access
Datastore5	Non-SSD	999.75 GB	1.42 GB	998.33 GB	VMFS6	Supported	Single

1 items

11. Services that should be running and stopped

ESX1.RAMLAN.CA - Manage

System Hardware Licensing Packages **Services** Security & users

Start Stop Restart Refresh Actions

Name	Description	Status	Source	Firewall rules
DCUI	Direct Console UI	Running	Base system	None
TSM	ESXi Shell	Running	Base system	None
TSM-SSH	SSH	Running	Base system	None
lbtid	Load-Based Teaming Daemon	Running	Base system	None
lwsmid	Active Directory Service	Running	Base system	None
ntpd	NTP Daemon	Running	Base system	ntpClient
vmsyslogd	Syslog Server	Running	Base system	None
vpax	VMware vCenter Agent	Running	Base system	vpvHeartbeats

15 items

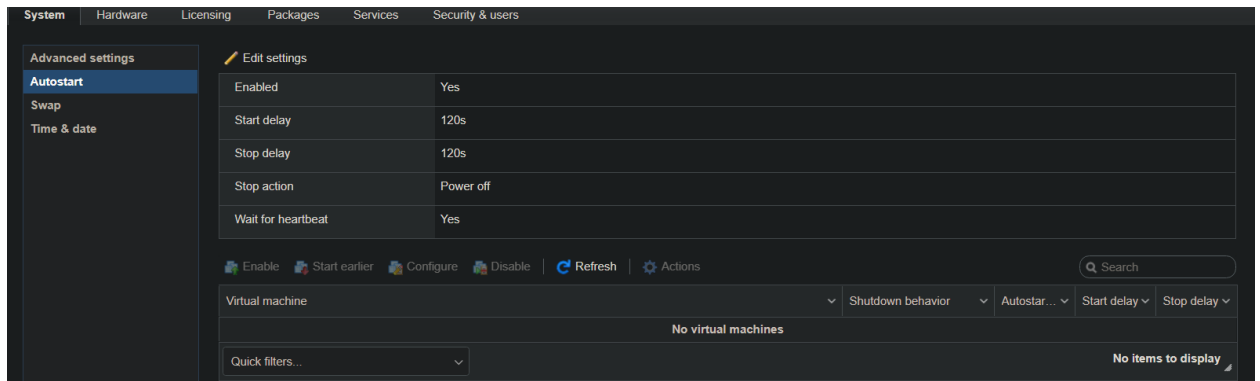
ESX1.RAMLAN.CA - Manage

System Hardware Licensing Packages **Services** Security & users

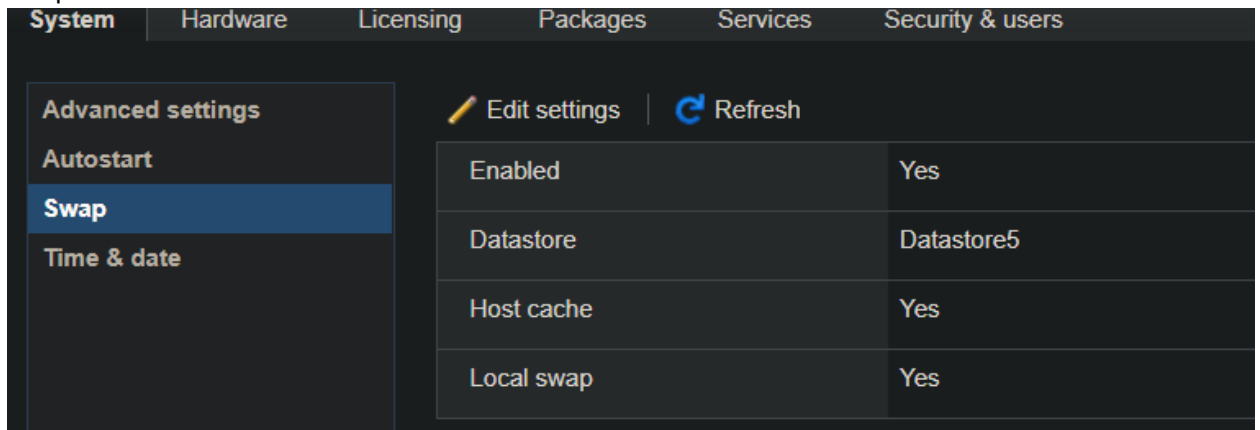
Start Stop Restart Refresh Actions

Name	Description	Status	Source	Firewall rules
attestd	attestd	Stopped	Base system	None
kmxd	kmxd	Stopped	Base system	None
pcscd	PC/SC Smart Card Daemon	Stopped	Base system	None
ptpd	PTP Daemon	Stopped	Base system	ptpd
sfcbd-watchdog	CIM Server	Stopped	Base system	CIMHttpServer, CIMHttpsServer
snmpd	SNMP Server	Stopped	Base system	snmp
xorg	X.Org Server	Stopped	esx-xserver	None

12. Auto Start



13. Swap



This concludes some of the post configuration after the install. I might add more as and when we explore the product in great detail.

Thanks

Ram Lan
22nd July 2020