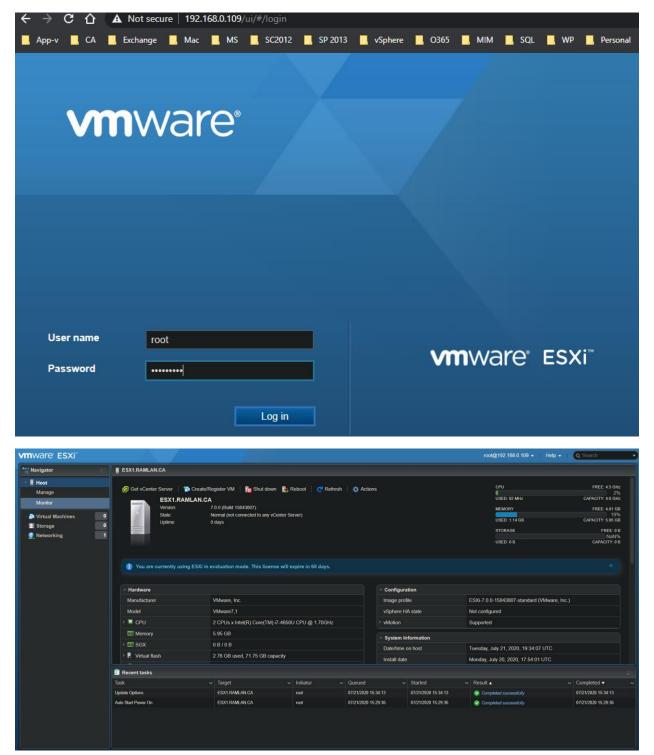
# vSphere 7 Post Configuration

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

8			
System Hardware Lice	nsing Packages	Services	Security & users
Advanced settings	🧪 Edit NTP Settings	🛛 🦯 Edit PTP S	Settings   🤁 Refresh \mid 🙀 Actions
Autostart	Current date and time		Tuesday, July 21, 2020, 19:40:09 UTC
Swap			
Time & date	NTP service status		Running
Time & date			
	NTP servers		1. pool.ntp.org
	PTP client		Disabled
	PTP service status		Stopped
	Network interface		

## 3. Start this service

System	Hardware	Licensing	Packages	Services	Security a
Start	📕 Stop 🏻 😋 F	Restart   🥑 R	efresh   🔅 /	Actions	
Name ⊾		`	Description		
attestd			attestd		
DCUI			Direct Conse	ole UI	
kmxd		/	kmxd		
lbtd			Load-Based	Teaming Daem	ion
lwsmd			Active Direc	tory Service	
ntpd			NTP Daemo	n	

4. Check Licensing Status

ESX1.RA	MLAN.CA - Man	age			
System	Hardware	Licensing	Packages	Services	Security & users
🔏 Assig	ın license 🛛 👰 R		C Refresh	Actions	
		Evalu	ation Mode		
		Key: Expirati Feature	on date: :s:		00000-00000-00000-00000 Saturday, September 19, 2020, 15:44:50 -0400 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 X-Switch vMotion vSphere HA vSphere Data Protection vShield Endpoint vSphere Replication vShield Zones Hot-Pluggable virtual HW 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

	••						
ESX1.RA	MLAN.CA - Man	age					
System	Hardware	Licensi	ng Packages	Services	Security & users		
Accepta	nce level		Leave domain	C Refresh			
Authenti	ication		Active directory e	Yes			
Certifica	tes						
Users			Domain membership status OK				
Roles			Joined domain		RAMLAN.CA		
Lockdov	vn mode		Smart card auther	ntication enabled	No		

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

LISA LANIMENTION - Mailage									
System Hardware	Licensing Packages Services	Security & users							
Acceptance level	Simport new certificate	sh							
Authentication	Issuer	O=VMware Installer							
<u>Certificates</u> Users	Not valid after	Monday, January 19, 2032, 12:58:15 -0500							
Roles	Not valid before	Monday, July 20, 2020, 13:58:15 -0400							
Lockdown mode	Subject	unstructuredName=1595267894I,564d7761726520496e632e,CN=localhost.localdomain,emailAddress=ssl-certificates@vmware.com,OU=VMware ES X Server Default Certificate.O=VMware\_Inc.L=Palo.Alho.ST=California.C=US							

## 7. Lockdown Mode – We will configure after installing vCenter Server ESX1.RAMLAN.CA - Manage

-					
System	Hardware	Licensing	Packages	Services	Security & users
Acceptanc	e level		Edit settings   🔒	Add user excep	ption 🛛 🕌 Remove user exception 🛛 🧲 Refresh
	Authentication Certificates Users		_ockdown mode		Disabled
			Exception users		Name <b>v</b>
Roles					
Lockdown	mode				

#### 8. Check Hardware ESX1.RAMLAN.CA - Manage

CI Devices		🖊 Configure SR-IOV 🛛 🖊 Hardware label 🛛 🚼 Reboot host 📔 🙋 Refresh			Q Search
ower Management		- Description	SR-IOV	✓ Passthrough	✓ Hardware Label
	0000:00:00.0	Intel Corporation Virtual Machine Chipset	Not capable	Not capable	
	0000:00:01.0	Intel Corporation 440BX/ZX/DX - 82443BX/ZX/DX AGP bridge	Not capable	Not capable	
	0000:00:07.0	Intel Corporation Virtual Machine Chipset	Not capable	Not capable	
	0000:00:07.1	Intel Corporation PIIX4 for 430TX/440BX/MX IDE Controller	Not capable	Not capable	
	0000:00:07.3	Intel Corporation Virtual Machine Chipset	Not capable	Not capable	
	0000:00:07.7	VMware Virtual Machine Communication Interface	Not capable	Not capable	
	0000:00:0f.0	VMware SVGA II Adapter	Not capable	Not capable	

## 9. Check Monitor Performance

EXX1.RAMLAN.CA - Monitor													
Performance	Hardware	e Events	Tasks	Logs	Notification	IS							
CPU		Default colors		Last hour	~ ()	🍙 Select VMs	C Ref	fresh					
50													
0 0 14:53		14:54	14	4:55		14:55	14:56	Time	14:5	7	4:58	14:59	15:00 <b>15:00</b>
Name								Unit		Average 🗸	Maximum ~	Minimum ~	Latest ~
ESX1.RAMLA	N.CA									2.9	10.65	1.88	2.49
PCPU 0										2.57	11.05	1.07	2.02
PCPU 1										3.24	10.25	1.75	2.96
Package 0										5.14	11.05	1.07	2.02
													5 items 🔏

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

Datastores Adapters Devices Persi	stent Memory				
🐼 Configure iSCSI 🛛 Software iSCSI 📁 Rese	can 🛛 🤁 Refresh 🗍 🔅 Action:				Q Search
Name		Model		Status	<ul> <li>✓ Driver</li> </ul>
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
					3 items
Configure facial - Vintibado					
iSCSI enabled	Disabled O Enabled	led			
Name & alias	iqn.1998-01.com.vmwar	e:esx1-6f8964a6			
CHAP authentication	Do not use CHAP				
Mutual CHAP authentication	Do not use CHAP				
Advanced settings	Click to expand				
Network port bindings	🞾 Add port binding	🛒 Remove port binding			
	VMkernel NIC	<ul> <li>Port group</li> </ul>		<ul> <li>IPv4 address</li> </ul>	
		No p	ort bindings		
Static targets	Ndd static target			(Q	
	Target		<ul> <li>Address</li> </ul>	✓ Port	
	ign.1992-04.com.emc:	storage.EMC-NAS.Veritas	192.168.0.184	3260	)
	ign.1992-04.com.emc::	storage.EMC-NAS.Veritas	169.254.190.2	0 3260	)
	ian.1992-04.com.emc:	storage.EMC-NAS.Veeam	192,168.0,184	3260	)
		storage.EMC-NAS.Veeam	169.254.190.2		
	ign.1992-04.com.emc:		192.168.0.184		
	iqn. 1992-04.com.emc.	Storage.EMO-INAS.VIVI	192.108.0.184	3200	
				Sav	e configuration Cancel

Datastores Adapters Devices Persiste	nt Memory				
🖉 Configure iSCSI 🦉 Software iSCSI 💻 Rescan	🛛 🤁 Refresh 🛛 🔅 Actions				
Name	~ Model			Status	∽ Driver ∽
📧 vmhba0	PVSCSI SCSI Controlle	r		Unknown	pvscsi
🚾 vmhba1	PIIX4 for 430TX/440BX	/MX IDE Controller		Unknown	vmkata
📧 vmhba64	PIIX4 for 430TX/440BX	/MX IDE Controller		Unknown	vmkata
whba65	iSCSI Software Adapter			Online	iscsi_vmk
					4 items 🦼
🞽 New datastore 🔯 Increase capacity 📃 Resca	n 📋 🤁 Refresh 📋 🌞 Actions				Q Search
Name	✓ Status	∽ Туре	<ul> <li>Capacity</li> </ul>	✓ Queue Depth	✓ Vendor ✓
EMC iSCSI Disk (naa.5000144f88602323)	🚹 Normal, Degra	aded Disk	1,000 GB	128	EMC
EMC iSCSI Disk (naa.5000144f23823062)	🛕 Normal, Degra	aded 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)	\rm A Normal, Degra	aded Disk	1,000 GB	128	EMC
Local VMware, Disk (mpx.vmhba0:C0:T0:L0)	Normal	Disk (SSD	) 80 GB	1024	VMware
					5 items
Datastores Adapters	Devices Persistent Mem	orv			
🔄 🎦 New datastore 🛛 🔛 Increa	se capacity   🍶 Register a V	'M 🛛 🛅 Datasto	ore browser	C Refresh	🙀 Actions
Name		<ul> <li>Drive Ty</li> </ul>	pe 🗸	Capacity	<ul> <li>Provisioned</li> </ul>
🚆 New datastore					
1 Select creation type	Select creation type				
2 Select device	How would you like to create a datastore	?			
3 Select partitioning options					
4 Ready to complete			Create a new	w VMFS datastore on	a local dick dovice
	Create new VMFS datastore	Greate a nev	w vivir 3 datastore on	a local uisk device	
	Add an extent to existing VMFS datasto	ore			
	Expand an existing VMFS datastore ex	tent			
	Mount NFS datastore				
	Mount Nr 5 datastore				
<b>vm</b> ware					
VIIIWale					
				k Next	Finish Cancel

🛀 New datastore						
<ul> <li>1 Select creation type</li> </ul>	Select device					
✓ 2 Select device	Select a device on which to create a new VMFS partition					
3 Select partitioning options						
4 Ready to complete	Name					
	The following devices are unclaimed and can be used to c	create a new	VMFS data	istore		
	Name	~ Туре		Capacity	✓ Free space	e 🗸
	EMC iSCSI Disk (naa.5000144f49928773)	Disk		1,000 GB	1,000 GB	
						1 items
1000 MIDKO						
<b>vm</b> ware <sup>®</sup>						
New datastore - Datastore5			Back	Next	Finish	Cancel
- New Galastore - Datastoreo						
1 Select creation type	Select partitioning options					
<ul> <li>2 Select device</li> <li>3 Select partitioning options</li> </ul>	Select how you would like to partition the device					
4 Ready to complete						
	Use full disk v VMFS 6	~				
	Before, select a partition	After				
	Free space (1,000 GB)			1. VMFS (1,000	) GB)	
<b>vm</b> ware						
			Back	Next		Cancel

🚆 New datastore - Datastore5			
<ul> <li>1 Select creation type</li> <li>2 Select device</li> </ul>	Ready to complete		
3 Select partitioning options			
4 Ready to complete	Name	Datastore5	
	Disk	EMC iSCSI Disk (naa.5000144f4992877	3)
	Partitioning	Use full disk	
	VMFS version	6	
<b>vm</b> ware		VMFS (1,000 GB)	
		Back	Next Finish Cancel
	entire contents of this disl ified configuration, are yo		and replaced with the
			Yes No
Datastores Adapters Devices Persiste	ent Memory		
🔄 New datastore 🛛 🔛 Increase capacity 🔰 🍰 Reg	ister a VM 🛛 📷 Datastore browser 🕴 💽 Refresh 📔 🐇	Actions	Q Search
Name		Provisioned V Free V Type	Thin provisioning      Access
Datastore5	Non-SSD 999.75 GB	1.42 GB 998.33 GB VMFS6	Supported Single
			1 items
			A A

# 11. Services that should be running and stopped

ESX1.RAMLAN.CA - Manage System Hardware Licensing Packages Services Security & users     Start Stop & Restart C Refresh & Actions						
🕨 Start 📕 Stop 📀 Restart   🥂 Refresh   🏠 Actions						
Name v Description v Status v v Source v F						
DCUI Direct Console UI Franning Base system	None					
TSM ESXi Shell PRunning Base system	None					
TSM-SSH SSH Franking Base system	None					
Ibid Load-Based Teaming Daemon F Running Base system	None					
Iwsmd Active Directory Service P Running Base system	None					
ntpd NTP Daemon FRunning Base system n						
vmsyslogd Syslog Server P Running Base system N	None					
vpxa VMware vCenter Agent	vpxHeartbeats					
	15 items					
E SX1.RAMLAN.CA - Manage						
System Hardware Licensing Packages Services Security & users						
System natuware Licensing rations services security a users						
▶ Start m Stop S Restart   C Refresh   Start Actions Q Search						
Name v Description v Status v v Source v I	Firewall rules v					
attestd attestd Stopped Base system	None					
kmxd kmxd Stopped Base system I	None					
pcscd PC/SC Smart Card Daemon = Stopped Base system I	None					
ptpd PTP Daemon Stopped Base system	ptpd					
sfcbd-watchdog CIM Server Stopped Base system	CIMHttpServer, CIMHttpsServer					
snmpd SNMP Server Stopped Base system :	snmp					

## 12. Auto Start

System Hardware Lice	ensing Packages Services	Security & users				
Advanced settings	🖊 Edit settings					
Autostart	Enabled	Yes				
Swap Time & date	Start delay	120s				
	Stop delay	120s				
	Stop action	Power off				
	Wait for heartbeat	Yes				
	👷 Enable 👷 Start earlier 🍙 Configure 🚵 Disable 🛛 😋 Refresh 🛛 🏠 Actions 🗖 🔍 Search					
	Virtual machine			own behavior 🗸 Autostar 🗸	Start delay ~ Stop delay ~	
	No virtual machines					
	Quick filters				No items to display	
Swap	_					
	ardware Licer	nsing Packages	Services	Security & users		
,		5				
Advanced set	tings	🥖 Edit settings 🔰 🤇	Refresh			
Autostart		Enchlad		Vaa		
•		Enabled		Yes		
Swap		Detectore		DetectoroF		
Time & date		Datastore		Datastore5		
		Host cache		Yes		
		riost cache		Tes		
				Yes		
		Local swap		res		

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 22<sup>nd</sup> July 2020