

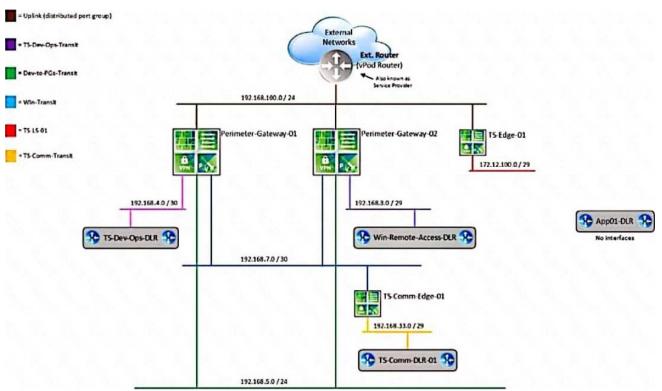


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# Exam : 3V0-643

# Title:VMware Certified AdvancedProfessional 6 - NetworkVirtualization DeploymentExam

# Version : DEMO



#### 1. Topic 1, Main Questions

Questions HOL LAB Modules and Pages for practice

1

http://docs.hol.vmware.com/hol-isim/HOL-2019/hol-1903-01-nsxinstall-p1.htm

HOL-1903-01 Page 16 or you can directly Open a NSX manager in the lab and edit the existing settings bOpen PSC and NSX manager in HOL-1903-01 and look for NTP Server

loand cation

cExport existing vDS config and Import back the config for practice in

HOL-1903-01

dNo Lab Module available

2

http://docs.hol.vmware.com/hol-isim/HOL-2019/hol-1903-01-nsxinstall-p2.htm

and LAB - HOL 1903-01 Page 26-36

3LAB - HOL 1903-01 Module 2 - Page 37-38

4LAB - HOL 1903-01 Module 4 – Practice and understand whole module Bridging and other questions 7, 8, 9 and LAB - HOL-1925-02 Module 1

5LAB - HOL 1903-01 Module 4 - shows how to deploy NSX Edge, you can also deploy Distributed logical router DLR in the same way the lab.

6LAB - HOL 1903-01 Module 3 – Practice and understand the whole module, it will be use full for other question like 20 and 22

7LAB - HOL 1903-01 Module 4 – Practice and understand whole module Bridging and other questions 7, 8, 9

8LAB - HOL 1903-01 Module 4 – Practice and understand whole module Bridging and other questions 7, 8, 9

9LAB - HOL 1903-01 Module 4 - Practice and understand whole module Bridging and other questions 7,

## 8, 9

10LAB - HOL-1903-02 Module 1 and 2
11LAB - HOL-1903-02 Module 1 and 2
12LAB - HOL-1903-02 directly follow the steps in this document for practice
13LAB - HOL 1903-01 - open an NSX manager in LAB and directly follow the steps in this document.
14LAB - HOL 1903-01 - open postman in the lab and directly follow the steps in this document.
15LAB - HOL 1903-01 - directly follow the steps in this document for practice.
16LAB - HOL 1903-01 - directly follow the steps in this document for practice.
17LAB - HOL-1925-02 Module 1
18LAB - HOL-1925-02 Module 1
19 LAB - HOL-1925-02 - directly follow the steps in this document for practice.
20LAB - HOL 1903-01 Module 3 – Practice and understand the whole module.
21LAB - HOL 1903-01 Module 3 – Practice and understand the whole module.
23LAB - HOL 1903-01 - open postman in the lab and directly follow the steps in this document.

### (Exam Topic 1)

Two administrators (John and Chris) share admin responsibilities for an NSX deployment that is leveraging Centralized CLI as part of their management. Security requirements prohibit use of shared admin accounts in Site A.

#### **Requirements:**

NSX Manager: nsxmgr-01a.crop.local

New administrator accounts: "John" and "Chris"

Default password: VMware1!

Create accounts for John and Chris.

Use one of the newly created accounts to display all clusters enabled for the distributed firewall.

Use Putty's "Copy All to Clipboard" feature to paste the command and output to a text file dfw-NEW.txt on the ControlCenter desktop.

#### NOTE:

Screenshot is shown on how to use Putty's Copy all to Clipboard feature. HOL LAB for Practice: See the explanation part for complete solution.

#### Answer:

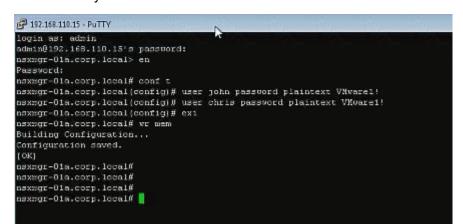
#### SOLUTION:

13:(1) select vccenter - a. select datacenter A and click right mouse button select administrator. select user and groups click on + sign. select user tab enter user name john password VMware1!. click ok . do same for chris.

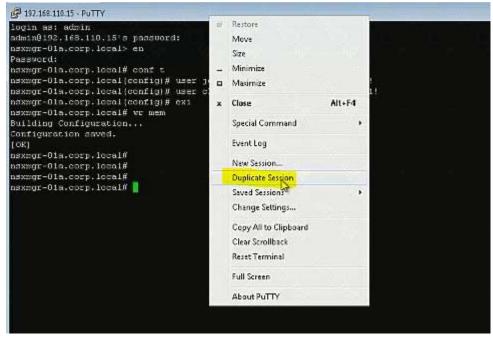
(2) select datacenter A. select manage tab. select permission. click + Sign. select Read Only from Assign Role. select All Privileges click on Add. select John and chris.checked Propagate to childern and click on OK.

(3) go NsX Manager. select Nsx Manage-a. select manage select user from tab. click + sign. select identity user. check specify vcenter user. enter user name john@vsphere.local click next. select role Nsx Administrator. click finish. do same for chris. but use chris@vsphere.local and assign role of NsX administrator click finish.

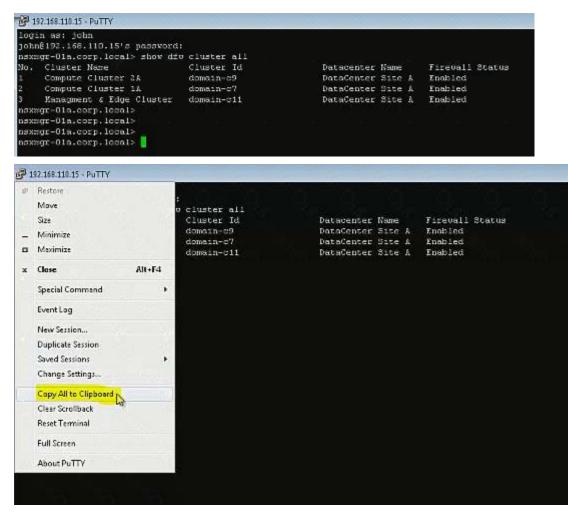
6 of 336 Enable VMware1! Conf t User john password plaintext VMware1! User chris password plaintext VMWare1! Exit Write memory



#### Open new Putty session or Duplicate Session:



john VMware1! Show dfw cluster all



Ctrl+V don't work in exam.

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#### 2. (Exam Topic 1)

Management has approved an expansion of the virtual infrastructure. You have been tasked to prepare Cross vCenter configuration with the second vCenter Server. Another administrator has provided a pre-configured vDS configuration file located on the Control Center Server. All identifiers must be maintained.

#### **Requirements:**

vCenterB server: vcsa-01b.corp.local Credentials: administrator@vsphere.local / VMware1! vCenterB VAMI Credentials: root / VMware1! Cluster: Computer Cluster 1B ESXI Hosts: esx-01b.corp.local, esx-02.corp.local Platform service controller: psc-01a.corp.local(192.168.110.9) NSX Manager: nsmgr-01b.corp.local (192.168.210.15) Credentials: admin / VMware1! Time Zone: US/Pacific \*Configure nsmgr-01b.corp.local for vCenterB and psc-01a.corp.local \*Ensure nsxmgr-01b.corp.local uses the same NTP server as psc-01a.corp.local with a US/Pacific TimeZone. \*Import the new vDS configuration vds-site-b-Compute-New.zip All identifiers must be maintained.

\*Assign the remaining two used vmnics for the ESXi hosts to the newly imported vDS.

#### NOTE:

Do not migrate VMkernels from the standard switches on the hosts. HOL LAB for Practice: a http://docs.hol.vmware.com/hol-isim/HOL-2019/hol-1903-01-nsxinstall-p1.htm HOL-1903-01 Page 16 or you can directly Open a NSX manager in the lab and edit the existing settings bOpen PSC and NSX manager in HOL-1903-01 and look for NTP Server loand cation cExport existing vDS config and Import back the config for practice in HOL-1903-01 dNo Lab Module available See the explanation part for complete solution.

#### Answer:

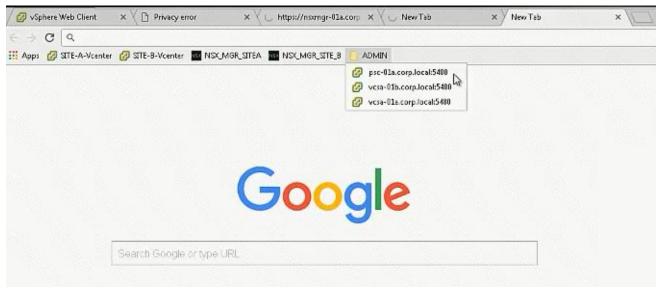
#### SOLUTION:

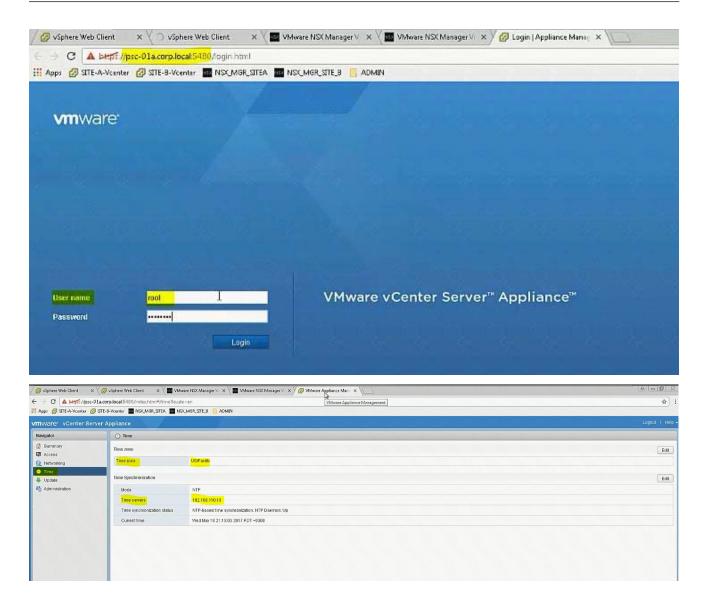
Step 1: Login to PSC using VAMI credentials and note down the time zone and server details and use the same in SiteB NSX Manager time settings.

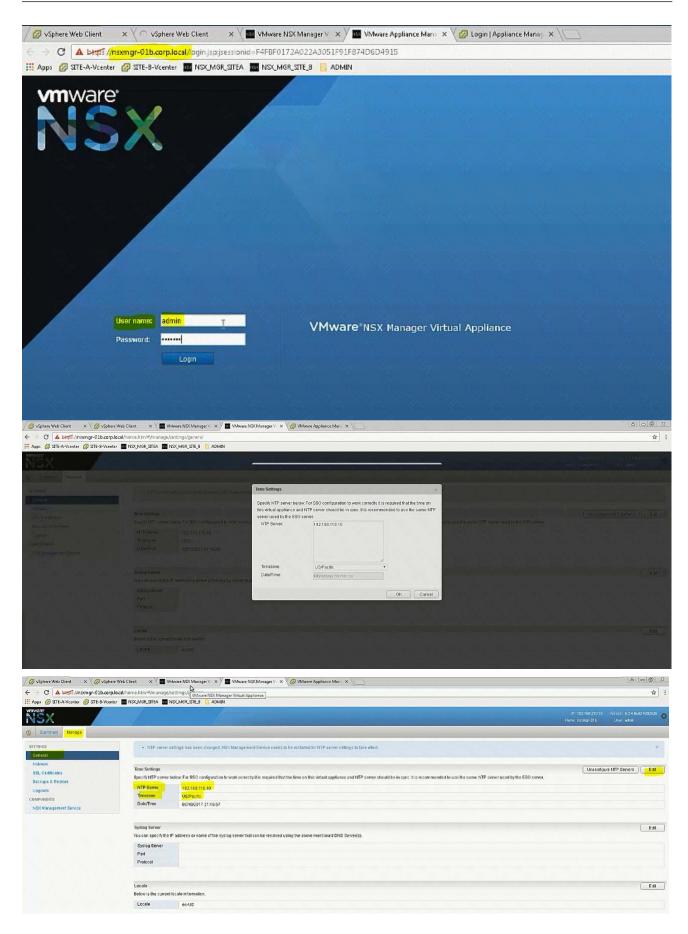
Step 2: Update the time settings, complete lookup service configuration, associate SiteB NSX manager to SiteB vCenter. Check the status from SiteA vCenter Webclient -> Networking & Security -> Installation -> Management.

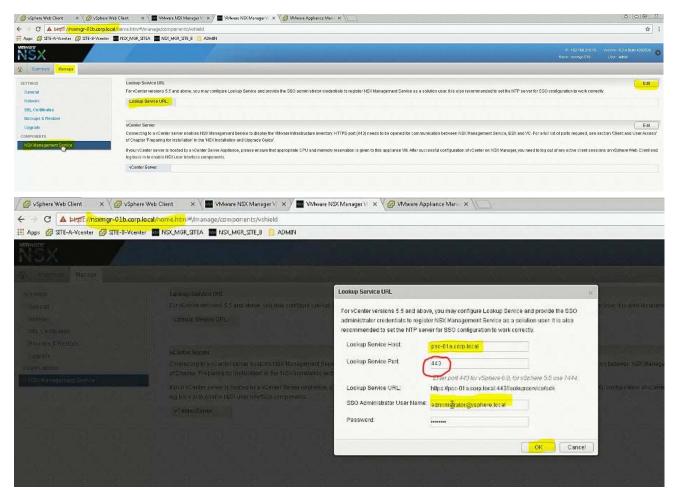
Step 3: Import the Distributed switch to Cluster B, add the hosts & assign the interfaces.

Login to https://psc-01a.corp.local:5480/ to check the NTP server details and note it down. Use the VAMI credentials given to login. Need to click on Edit to see the server details in here as it is not showing up in the main page (In exam, it is showing in the main page itself).





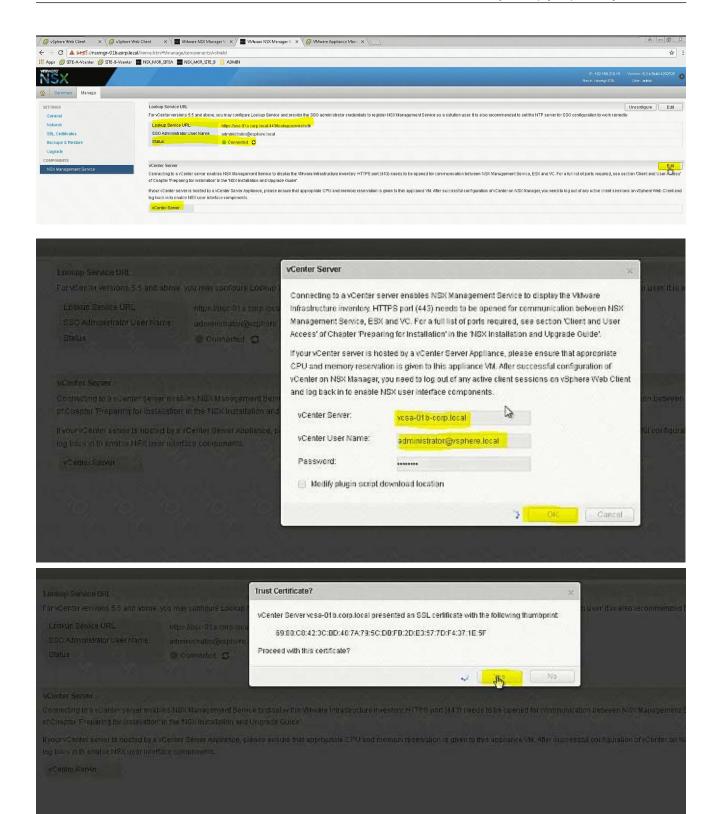




#### Important NOTE:

In exam change Lookup Service Port according to NSX Manager of Site A which is working one. It's 7444 in exam.

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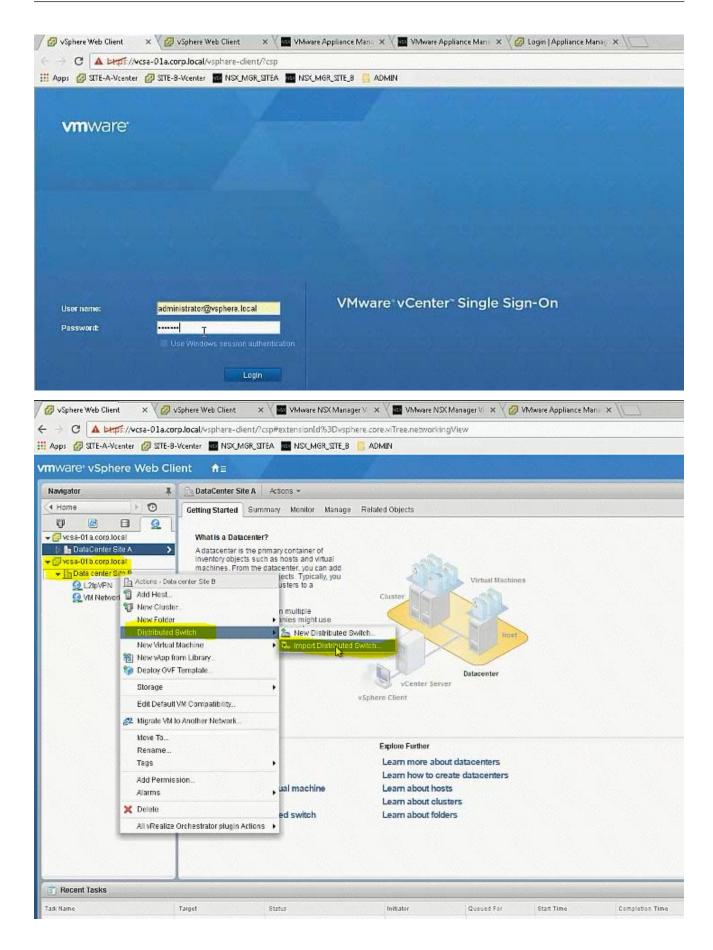
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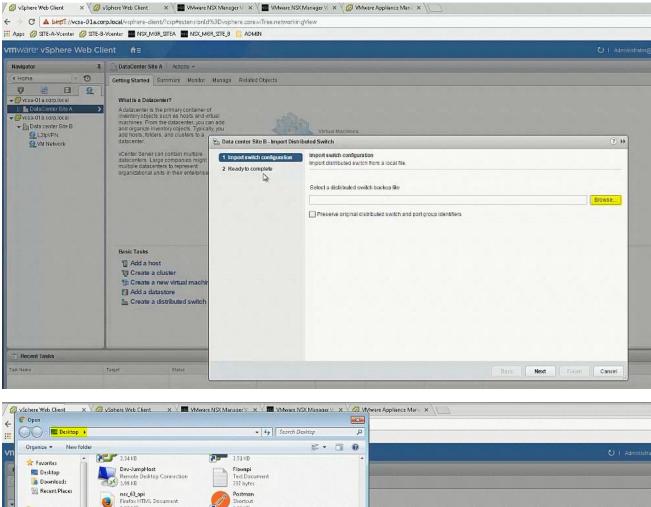
Click refresh if in case it shows as disconnected.

Login to SiteA vCenter using Web Client and confirm the status of both the NSX Managers: Installation -> Management.

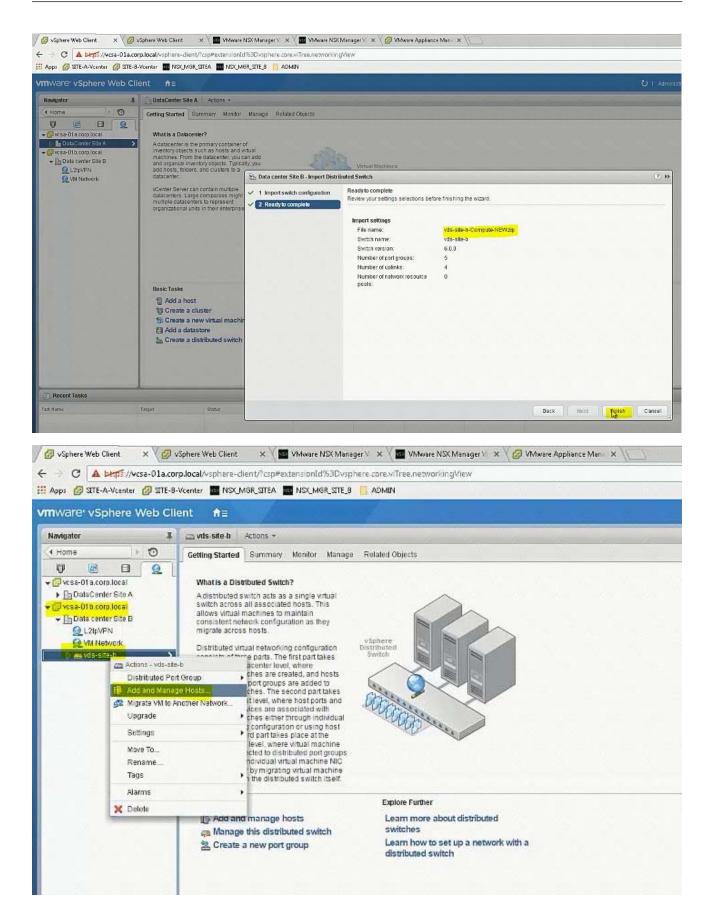


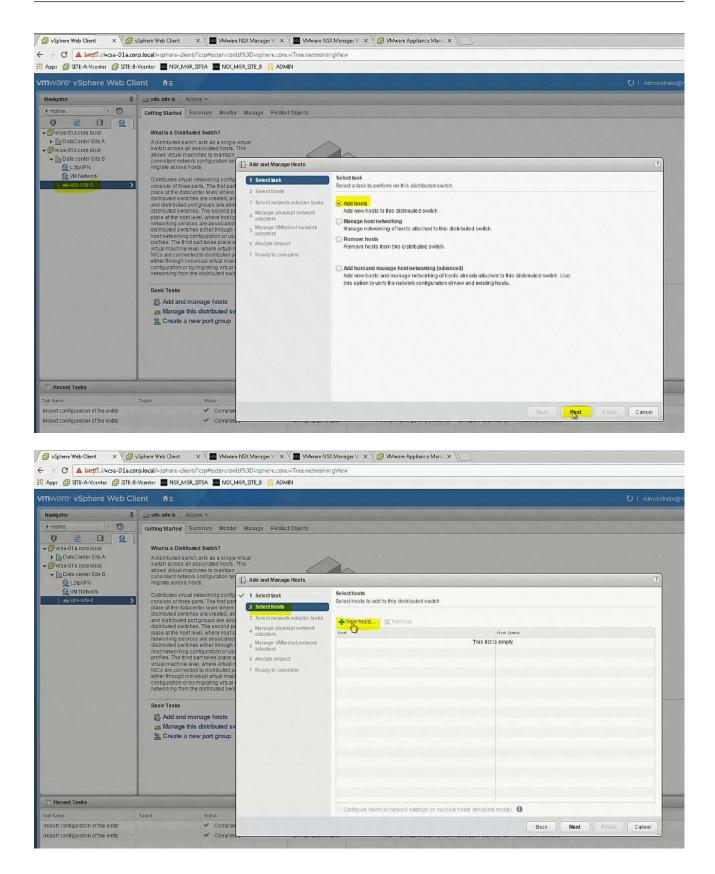
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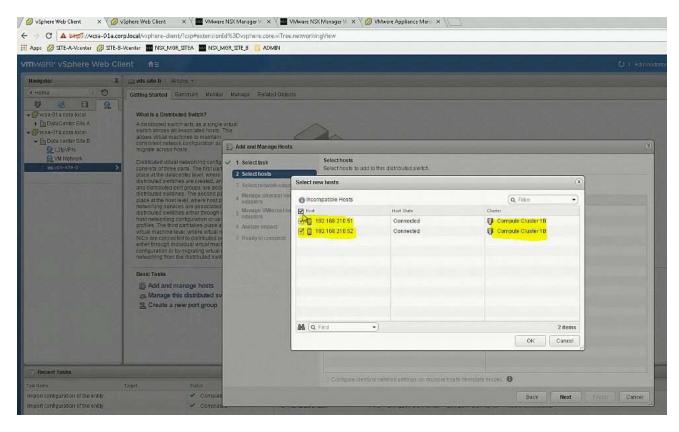




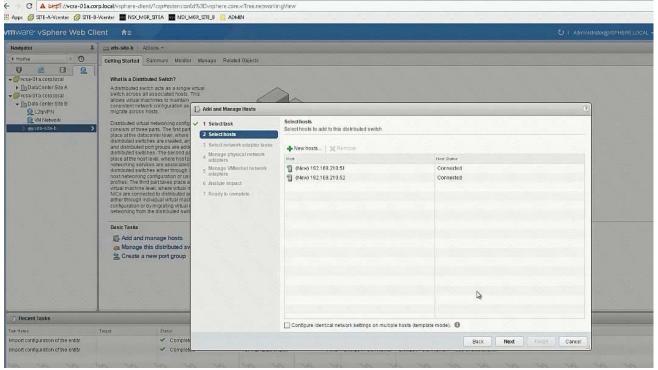
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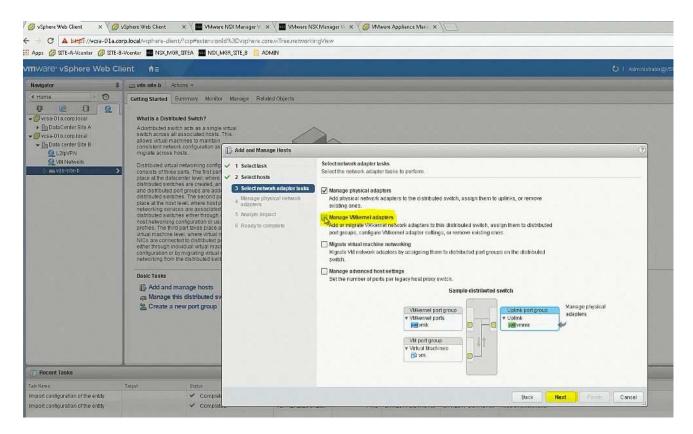






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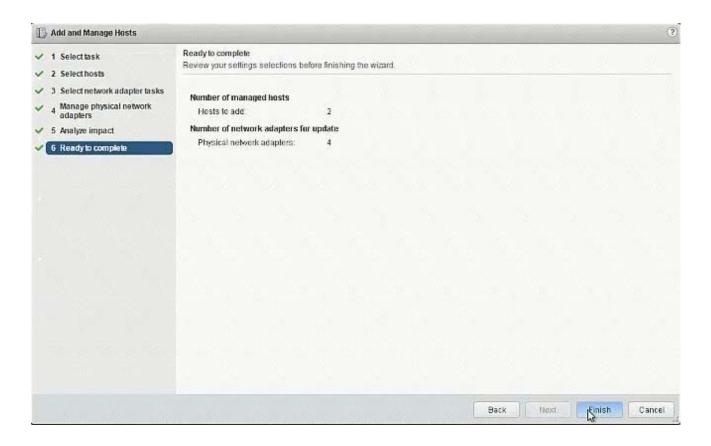
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₩ Getting Started Summary Monitor Manage Related Objects What is a Distributed Switch? DataCenter Site A
 Vosa-01 b.corp.local A distributed switch acts as a single virtual switch across all associated hosts. This allows virtual machines to maintain consistent network configuration as migrate across hosts. -0 6 - In Data center Site B []: Add and Manage Hosts QL2IpVPN QVM Network Distributed virtual networking confi-consists of hree parts. The first pa-place at the datacenter level, where distributed awrithes are created, a and distributed awrithes are second distributed awrithes. The second p place at the host level, where host networking services are associate distributed swithes differ firough most networking confluention or un Manage physical network adapters Add or remove physical network adapters to this distributed switch. ✓ 1 Selecttask ✓ 2 Selecthosts 3 Select network adapter tasks The Action Optime un Reset changes (Chieve settings Rod/Physical Network Adapters 1 & In Use by Switch 4 Manage physical network adapters Uplink Port Group Uplick - 192 168 210 51 5 Analyze impact distributed switches either through host networking configuration or u profiles. The third part takes place virtual machine level, where virtual NICs are connected to distributed either through individual virtual ma-configuration or by migrating virtua networking from the distributed sw On this switch 6 Ready to complete On other switches/unclaimed 📻 smaic0 🕞 <table-cell> vSwitch0 - 192.160.210.52 On this switch Basic Tasks + On other switches/unclaimed Add and manage hosts wmnic0 vSwitch0 Manage this distributed st 👼 vmnict 🗑 Recent Tasks Etatus Import configuration of the entity ✓ Comple Back Next Finish Cancel Compl Import configuration of the entity

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3. (Exam Topic 1)

The security team has requested that administrator@corp.local have the ability to fully manage NSX Manager (192.168.210.15) for Site B.

#### **Requirements:**

vCenter: vcsa-01b.corp.local Credentials: administrator@vsphere.local / VMware1! Ensure administrator@corp.local has the ability to fully manage NSX Manager in SiteB.

#### NOTE:

You may have to log out of the web client and back in for 192.168.210.15 to show in web client. HOL LAB for Practice: See the explanation part for complete solution.

#### Answer:

## SOLUTION:

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		admin	NSX CLI User	System Administrator

#### administrator@corp.local

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go to Nsx manager - b. select Manage Vcenter registration. check if lookup service

is configured if not configured it will the details. lookup service ip = Nsx Manager - a IP Address Lookup service port = 7444 Lookup service= https://192.168.110.15:7444/lookupservice/sdk SSO administrator = administrator@vsphere.local password = VMware1! click on ok. click on yes. **NOTE:** it will show u connected. if not connected. logout and login again

4. (Exam Topic 1)

Create a backup of only the vDS portgroup the NSX controllers utilize along with the NSX Firewall configuration. Also, the security team had identified a missing security policy that needs to be added.

#### **Requirements:**

vCenter: vcsa-01a.corp.local Credentials: administrator@vsphere.local / VMware1!

#### Components to backup:

vDS Portgroup that the controllers utilize. NSX Firewall configuration. Backup file name: vdsPortGroup-backup-NEW.zip, nsxfw-backup-NEW.xml Backup file location: Desktop of the ControlCenter.

#### Security Policy:

File to import: sec-policy-blueprint located on the desktop of the ControlCenter.

Backup only the vDS portgroup that the NSX Controllers utilize.

Backup the NSX Firewall configuration.

Import the sec-policy.blueprint file

Ensure requirements are met.

HOL LAB for Practice:

See the explanation part for complete solution.

#### Answer:

#### SOLUTION:

select Network & Security. select service composer. select 192.168.110.15. select security policy tab. click on + sign enter name sec-policy-blueprint. click next 3 times. click finish. select sec-policy-blueprint. click right mouse button select export configuration. enter name sec-policy-blueprint. click next select sec-policy-blueprint. click next. click finish. select desktop location. enter name sec-policy-blueprint. click save. select sec-policy-web and delete it. Verify NSX Controllers' vDS Portgroup Vds-mgmt-a\_Management network (under site A vcenter networking)

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5. (Exam Topic 1)

Routing through TS-Edge-01 is not working. The service provider (SP) has confirmed their configuration is correct.

#### **Requirements:**

vCenter: vcsa01a.corp.local Credential: administrator@vsphere.local / VMware1! Edge: TS-Edge-01 Credential: admin / VMware1!VMware1! Problem Edge: TS-Edge01 Local IP Address: 192.168.100.202 **SP provided configuration:** Area ID: 10 Type: Normal Authentication: None

Ensure the OSPF session is established.

Ensure all learned OSPF routes appear.

Copy OSPF routing table information and output to file on ControlCenter Desktop named

TS-Edge-01\_OSPF.txt

#### NOTE:

Do not use static route or configure Default Gateway on any Edge. HOL LAB for Practice: See the explanation part for complete solution.

#### Answer:

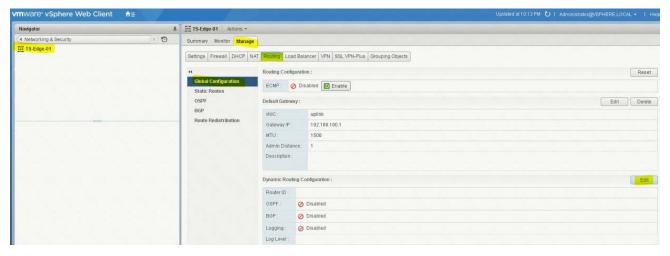
#### SOLUTION:

(1) select Home. select Network & Security. select NsX Edge. select Nsx Manager-a.

select TS-EDGE-01. select manage tab and select settings.

select interface. check ip address and mask of the vnic.

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🙀 Installation		edge-2	Perimeter-Gateway-02	NSX Edge	6.2.4	Deployed	Default
in Logical Switches	N	edge-3	App01-DLR	Logical Router	6.2.4	Deployed	Default
NSX Edges		edge-4	TS-Edge-01	NSX Edge	6.2.4	Deployed	Default
👸 Firewall		edge-5	TS-Dev-Ops-DLR	Logical Router	6.2.4	Deployed	Default
🐴 SpoofGuard		edge-6	TS-Comm-Edge-01	NSX Edge	6.2.4	Deployed	Default
🖏 Service Definitions		edge-8	TS-Comm-DLR-01	Logical Router	6.2.4	Deployed	Default
📶 Service Composer		edge-9	Dev-Edge	NSX Edge	6.2.4	Deployed	Default
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open putty. enter ip address 192.168.100.202.

enter command show ip route ospf. copy the ouput and save in a text file name TS-Edge-01.txt.

P 192.168.100.2 - PuTTY						×
From 192.168.100.1: icmp_s	eq=4 Redirect	Network (Ne	w nexthop:	192.168	.100.6)	-
From 192.168.100.6 icmp_se	q=4 Time to 1	ive exceede	d			
From 192.168.100.1: icmp_s	eq=5 Redirect	Network(Ne	w nexthop:	192.168	.100.6)	124
From 192.168.100.6 icmp_se ^C	q=5 Time to 1	ive exceede	d			12
NSX-edge-4-0>						
192.168.33.8 ping stat	istics					
5 packets transmitted, 0 r	eceived, +5 e	crors, 100%	packet lo	ss, time	4007ms	0
NSX-edge-4-0>						
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NSX-edge-4-0> show ip rout	e ospf					
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Copy and save OSPF route table in notepad.

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Local Disk (C:) System Reserved File name: TS-Edge-01 OSPF Save as type: Text Documents (*.txt)	Local Disk (C:)     System Reserved      File name: TS-Edge-01 OSPH     Save as type: Text Documents (".bxt)      Hide Folders      Hide Folders      Encoding: ANSI      Save     Cancel		
Local Disk (C:) System Reserved File name: TS-Edge-01 OSPF Save as type: Text Documents (*.txt)	Local Disk (C:)     System Reserved      File name: TS-Edge-01 OSPH     Save as type: Text Documents (".bxt)      Hide Folders      Hide Folders      Encoding: ANSI      Save     Cancel	📕 Videos	
File name: TS-Edge-01 OSPA Save as type: Text Documents (*.txt)	File name: TS-Edge-01 OSPH Save as type: Text Documents (*.txt) Hide Folders Encoding: ANSI Cancel		
Save as type: Text Documents (*.txt)	Save as type: Text Documents (*.txt)   Hide Folders  Encoding: ANSI Cancel	r Computer	
	Hide Folders     Encoding: ANS     Cancel	r Computer	
		Computer Local Disk (C:) System Reserved	
Hide Folders     Encoding: ANSI     Save     Cancel		File name: TS-Edge-01 OSPF	
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		Computer Local Disk (C:) System Reserved File name: T5-Edge-01_OSPH Save as type: Text Documents (*.txt) Hide Folders	
	de ta	Computer Local Disk (C:) System Reserved File name T5-Edge-01 OSPF Save as type Text Documents (*.txt) Hide Folders	•