VMware.3V0-643.v2022-06-07.q7

Exam Code:	3V0-643
Exam Name:	VMware Certified Advanced Professional 6 - Network Virtualization Deployment Exam
Certification Provider:	VMware
Free Question Number:	7
Version:	v2022-06-07
# of views:	400
# of Questions views:	706
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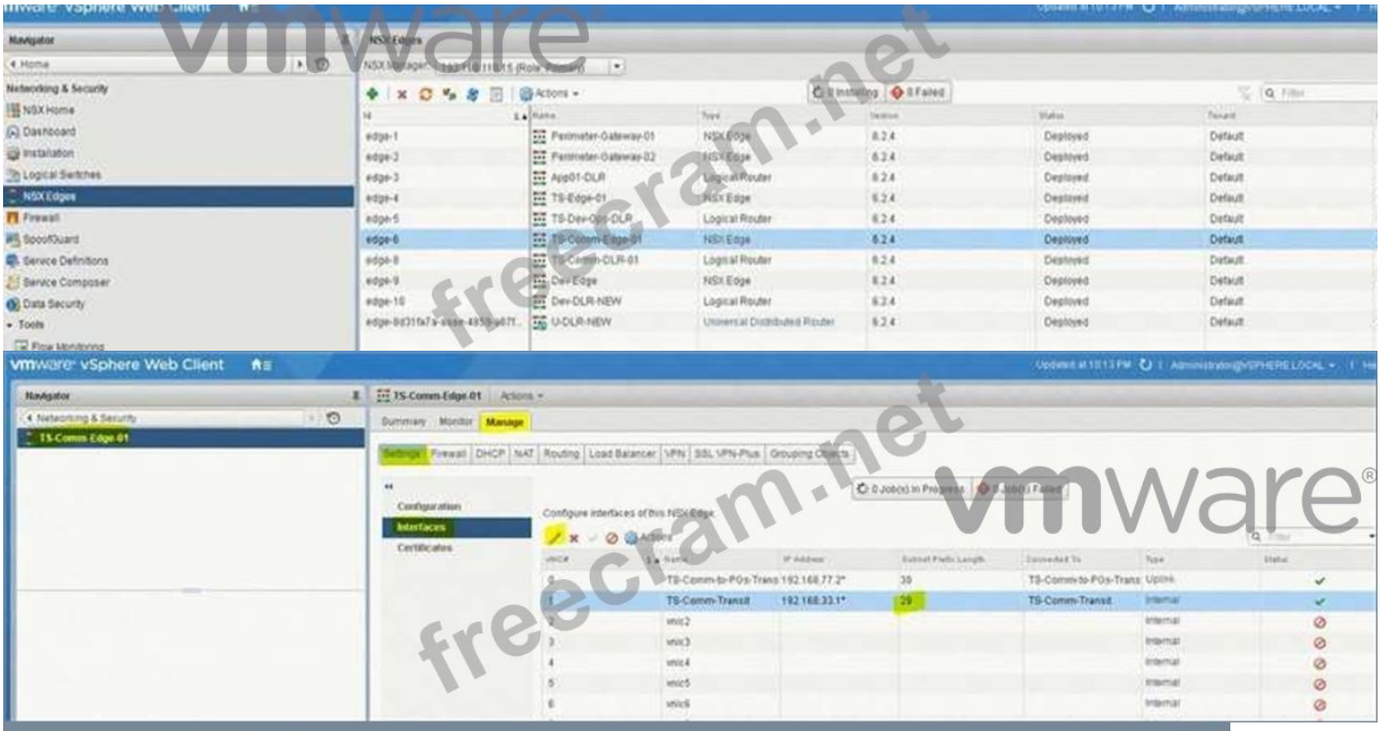
NEW QUESTION: 1
An NSX administrator has been troubleshooting a communication issue between Edge device TS-Comm-Edge-01 and the TS-Comm-DLR-01 logical router with no success and has reached out to you for further assistance. The following troubleshooting has already been performed.
Temporarily disabled the firewall between both devices.
Unsuccessful ping from TS-Comm-Edge-01 to TS-Comm-DLR-01
Unsuccessful ping from TS-Comm-DLR-01 to TS-Comm-Edge-01
Determine and resolve the communication issue between the two devices.
Requirements:
vCenter: vcsa01a.crop.local
Credentials: administrator@vsphere.local / VMware1!
Troubleshooting Information:
Edge: TS-Comm-Edge-01 (192.168.33.1)
DLR: TS-Comm-DLR-01 (192.168.33.8)
Transit Network: TS-Comm-Transit
IP Subnet: 192.168.33.0/29
Ensure communication between both devices is successful.
NOTE:
IP addresses must remain unchanged.
HOL LAB for Practice:
See the explanation part for complete solution.
Answer:
SOLUTION:
Troubleshooting:

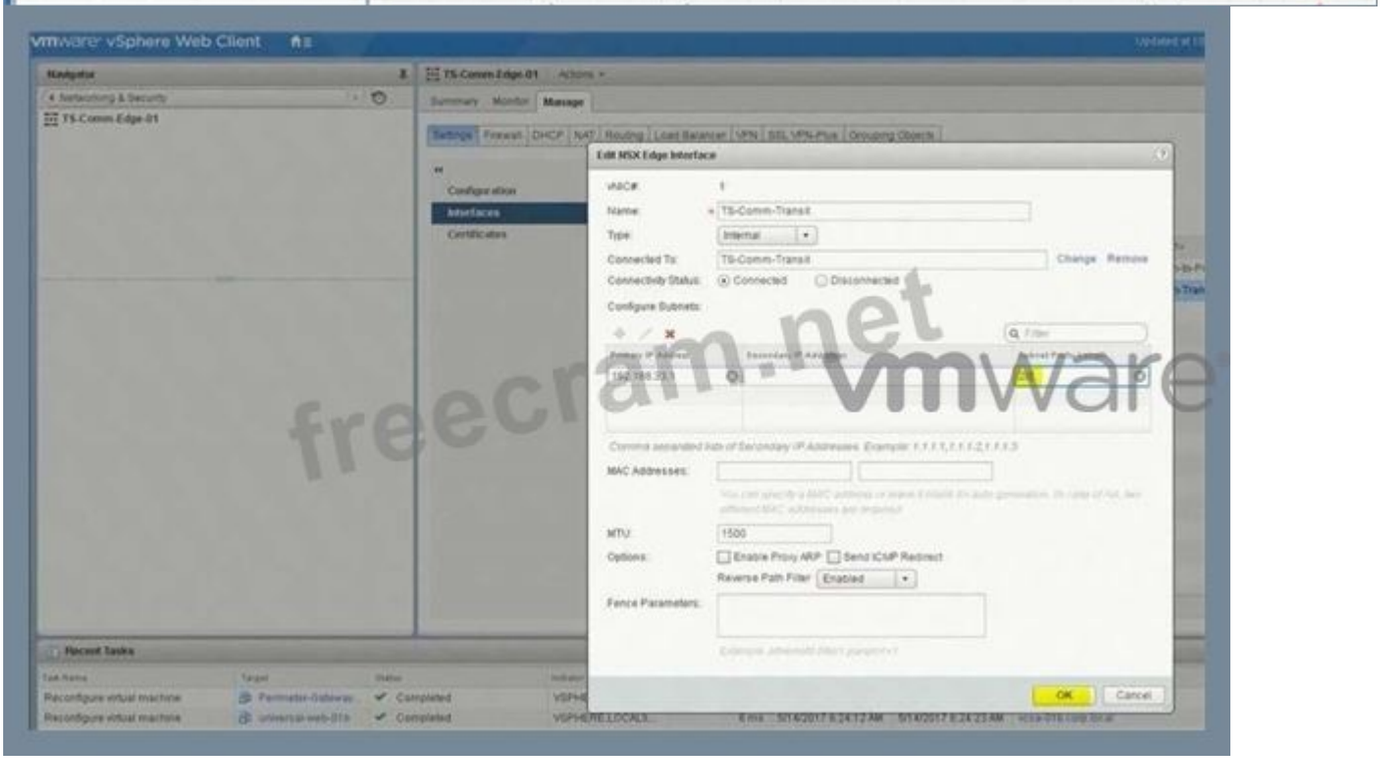
TS-Comm-Edge-01

Interfaces -> TS-Comm-Transit (change the subnet mask to 28)

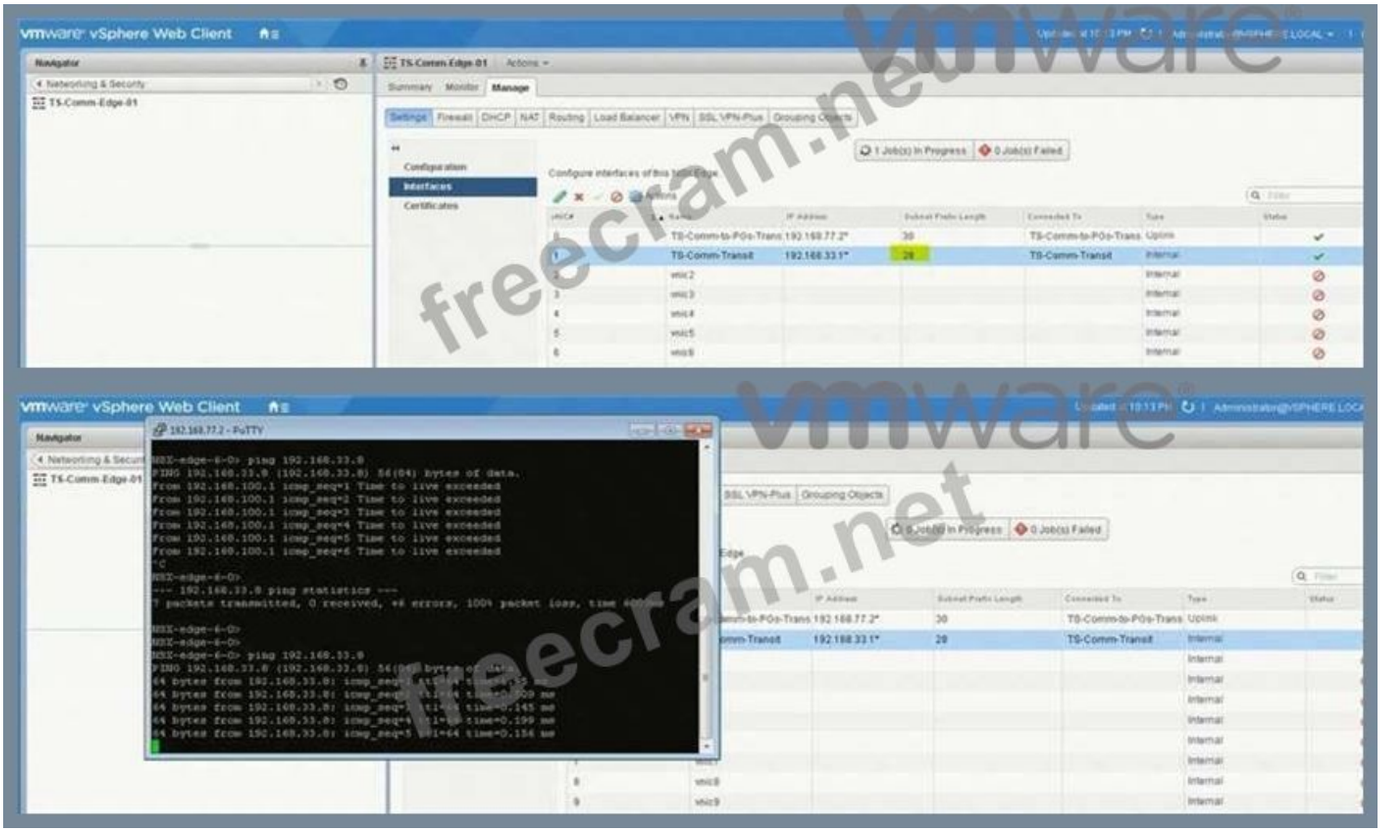
Verification:

SSH to TS-Comm-Edge-01 (192.168.7.2) and ping 192.168.33.8





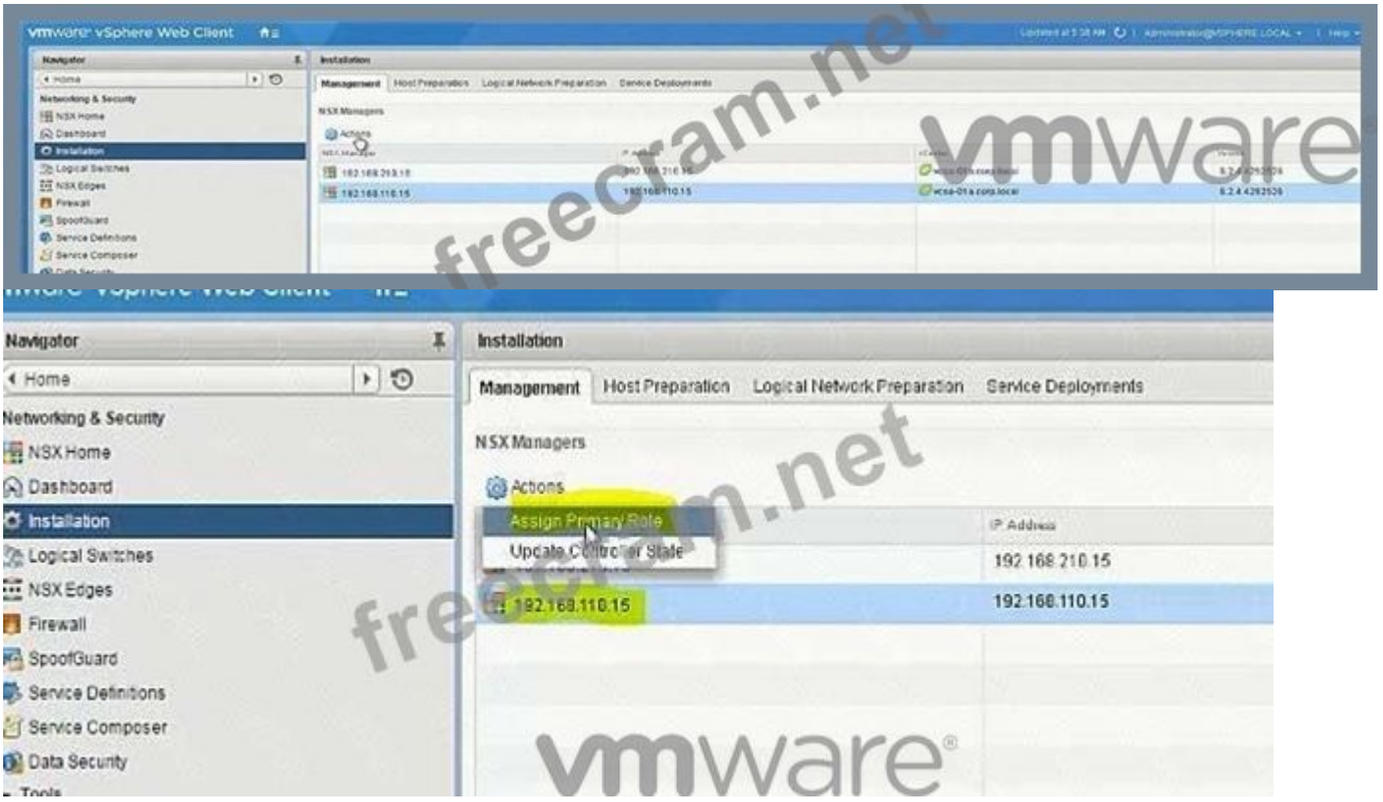
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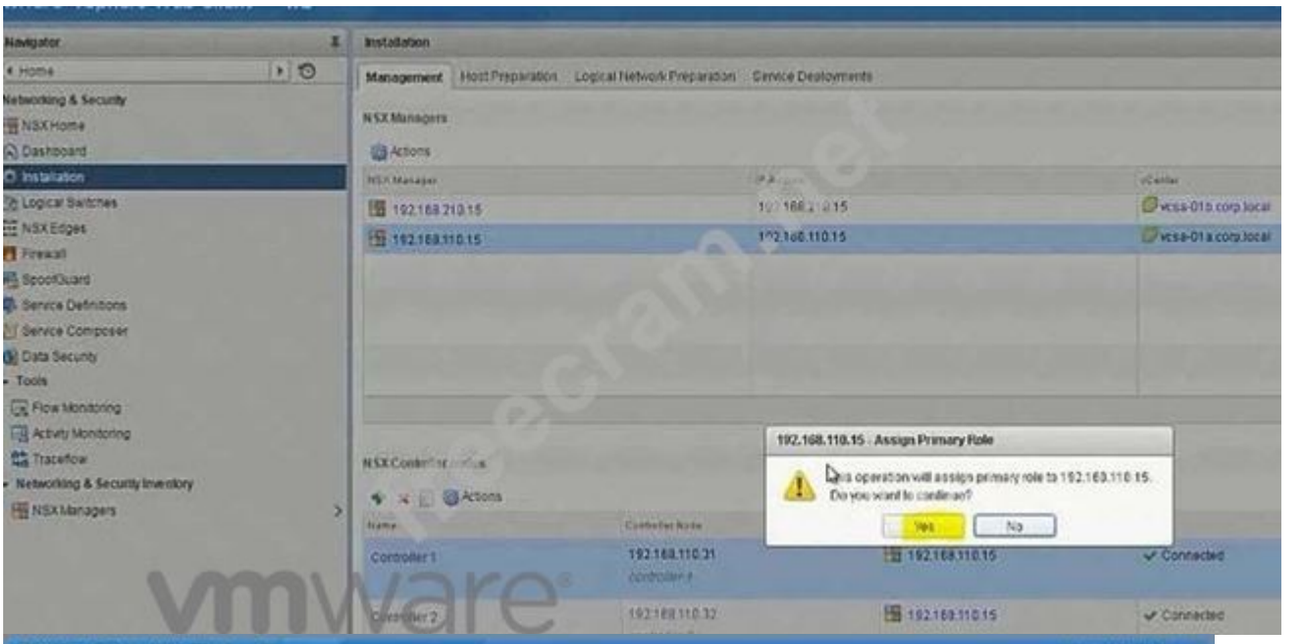


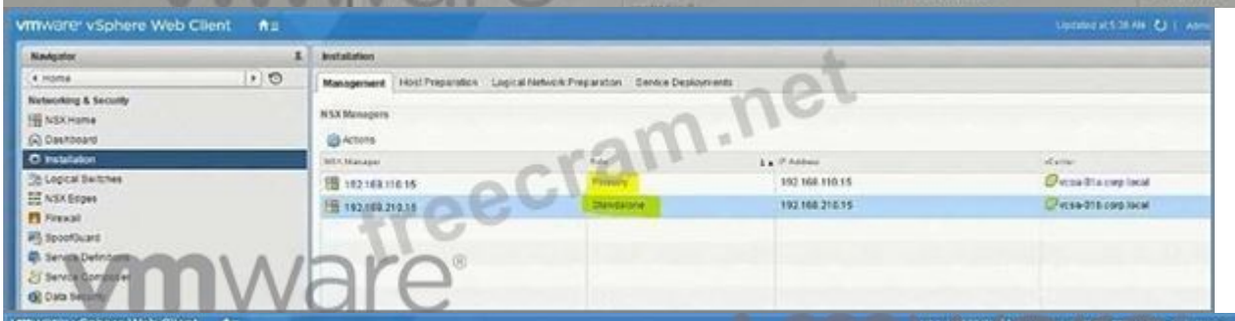
(2) select Ts-Comm-DLR-01 from Nsx Edge. select Manage tab. select Settings.
select interface. check the ip address and mask. and change the mask to /28.
click ok.
(3) select Manage Tab. select Routing. select global configuration. click edit.
select OSPF enter router ID 192.168.33.8 click ok. click on enable
click on publish changes.
(4) select OSPF. click edit. enable OSPF. Enter Protocol Address 192.168.33.7 enter forwarding address 192.168.33.8 (ip address of the vnic). click enable graceful restart. click ok.
(5) under area. click + Sign and add area 0. select type normal. select authentication none. click ok.
(6) under area to interface mapping. click on + sign. select interface uplink enter area 0. enter hello interval 10. dear interval 40. enter priority 128 enter cost 1. click ok. click publish changes.
(7) select TS-Comm-Edge-01. select manage select routing. select global configuration.
click edit under dynamic routing configuration.enter router id ts-comm 192.168.33.
click ok. click publish changes.
(8) select OSPF. click edit. enable OSPF. enable graceful restart. click ok.
select vnic transit. enter area 0. click on blue icon. change the subnet mastk to /28. click ok.
(9) select Firewall under manage Tab. click disable. click publish changes.
do the same steps for Ts-comm-DLR-01. and disable the firewall.

NEW QUESTION: 2
Enable and configure cross vCenter support for and NSX implementation that contains two vCenter Servers:

vcsa-01a.corp.local and vcsa-01b.corp.local
Requirements:
vCenter: vcsa-01a.corp.local and vcsa-01b.corp.local
Credentials: administrator@vsphere.local / VMware1!
NSX Manager Credentials: admin/VMware1!
The NSX Manager registered to vcsa-01a.corp.local should be responsible for all universal NSX objects.
A segment ID range of 16789-17563 is available for use with this exercise.
NOTE:
Allow time for synchronization to complete.
HOL LAB for Practice:
See the explanation part for complete solution.
Answer:
SOLUTION:
(1) select home. select installation select NsManager - b. select
logical network preparation tab. select segment ID. edit and enter pool id 6001-7000 do the same for Nsx MAnager -a and put pool id 5001-6000. be sure there is no overlaping of segment id in both the nsx managers.
(2) open Nsx Manager a and Nsx Manager B and start the universal synchoraniztion service from summary.
note: you can start the services in the beging to avoid any delay
Assign Primary Role to 192.168.110.15

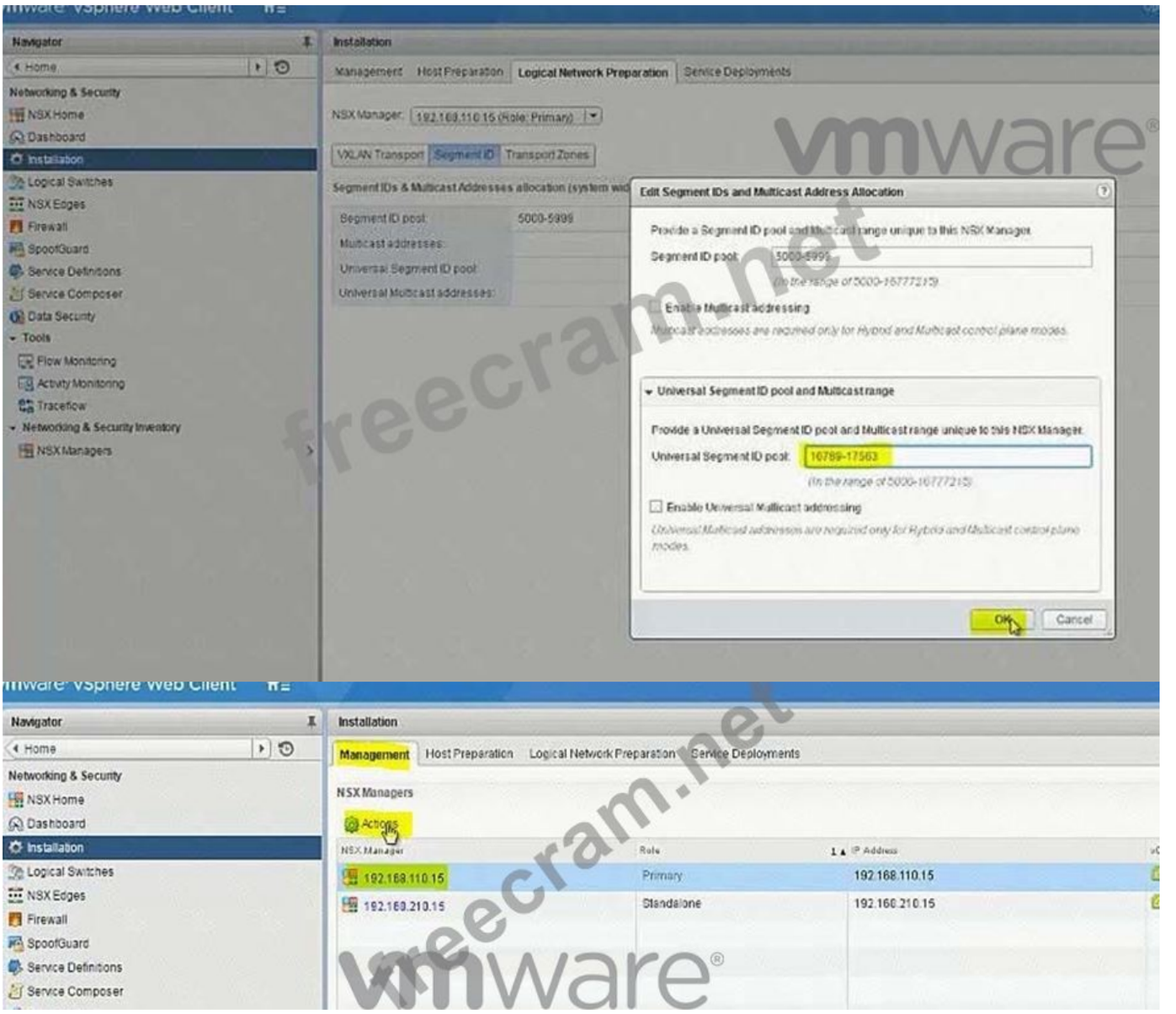




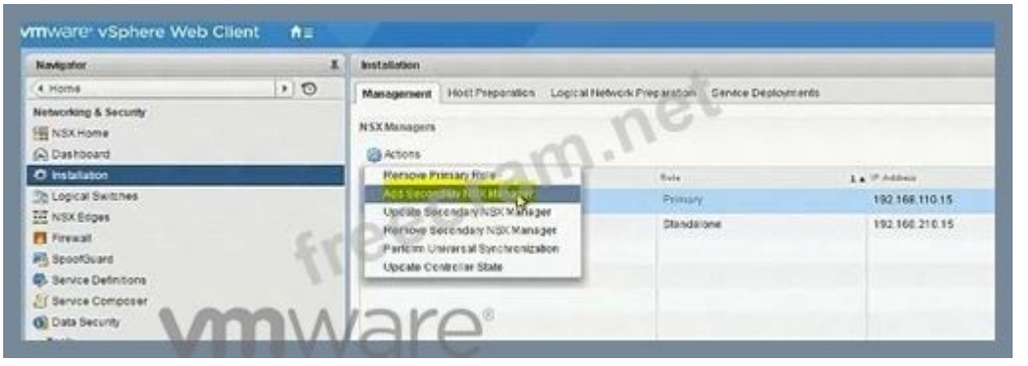


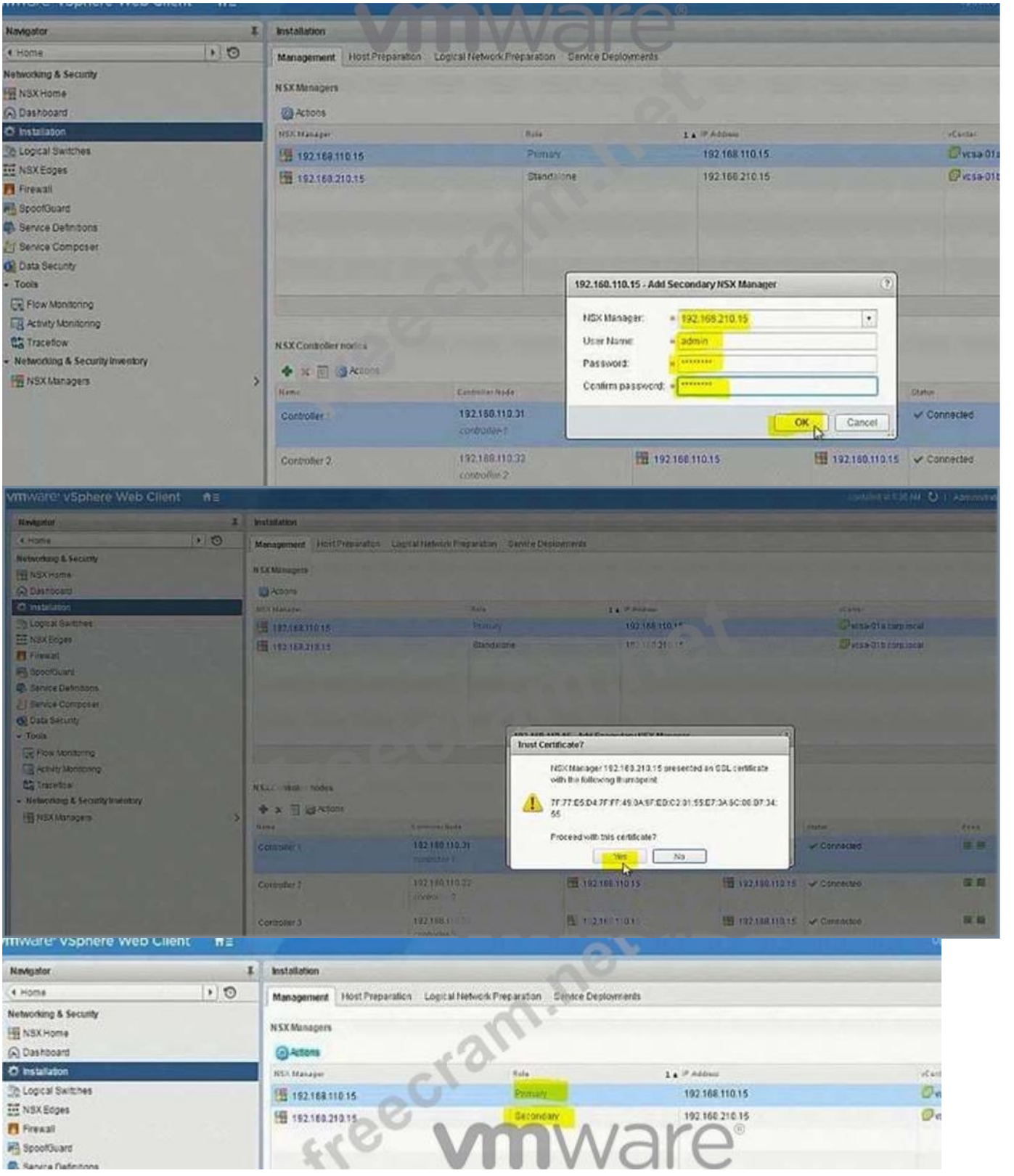


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Add Secondary NSX Manager





NEW QUESTION: 3

Provide automatic IP assignment for the servers on the DEV-DB-Tier-01-NEW segment.

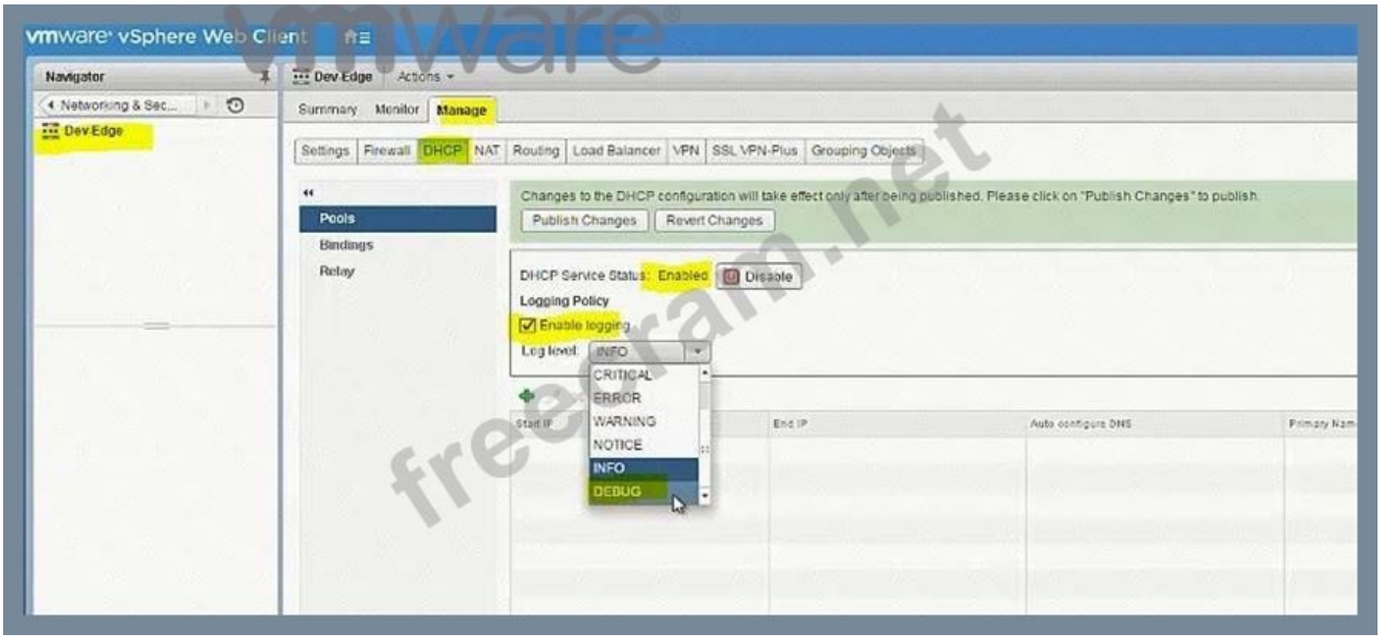
Requirements:

vCenter: vcsa-01a.corp.local

Credentials: administrator@vsphere.local / VMware1!

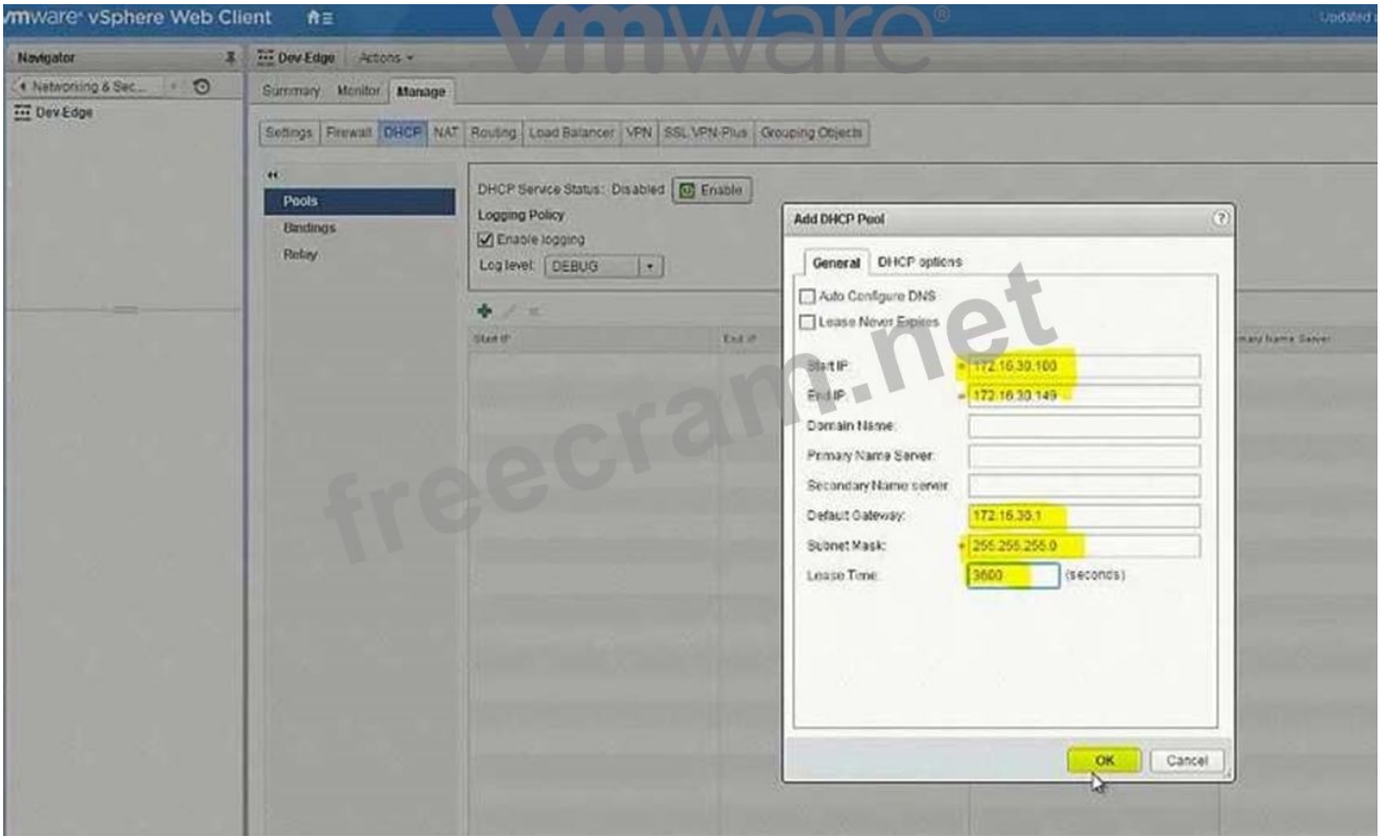
Edge: Dev-Edge

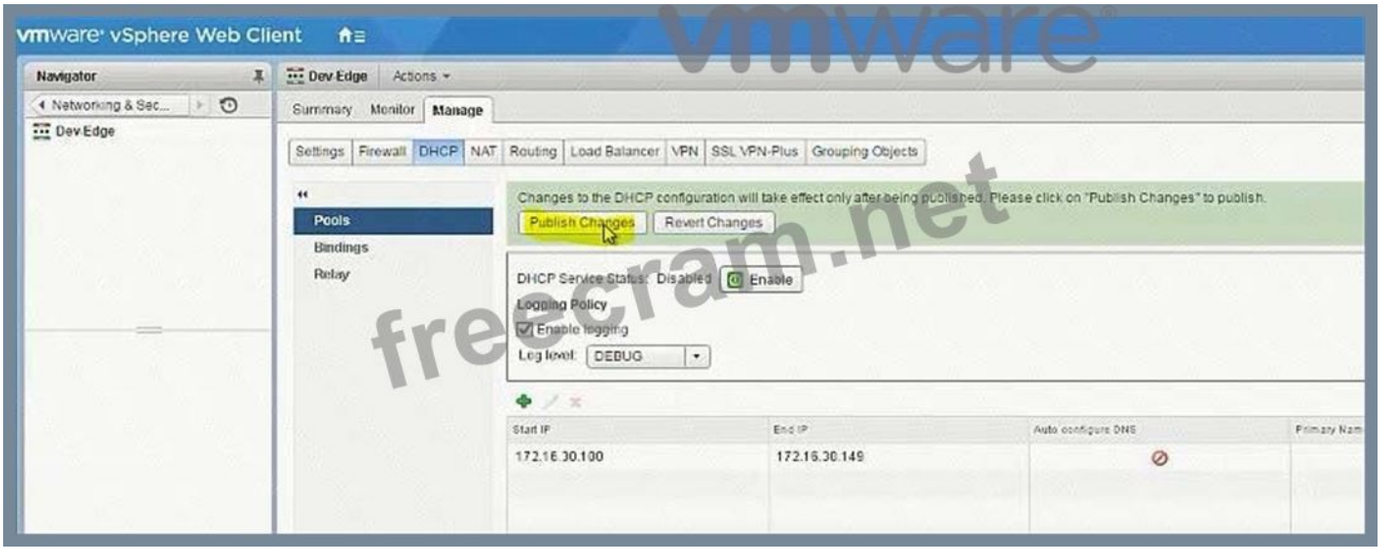
Automatically allocate IP addreesses in the 172.16.30.100-149 range.
Lease time: 1 hour
Ensure hosts that receive an IP assignment will be able to reach the other Dev subnets.
The legacyhost-NEW with the MAC address 40:00:00:00:00:01 must always be assigned 172.16.30.99 Ensure other parameters match those of the dynamic allocation mechanism (Task1).
Enable logging with the highest level of detail for automatic IP allocations.
Ensure all requirements have been met.
NOTE:
Do not configure DHCP Relay agent on the Dev-DLR-NEW as this will be done by another administrator.
HOL LAB for Practice:
DHCP and other questions 7, 8, 9
See the explanation part for complete solution.
Answer:
SOLUTION:



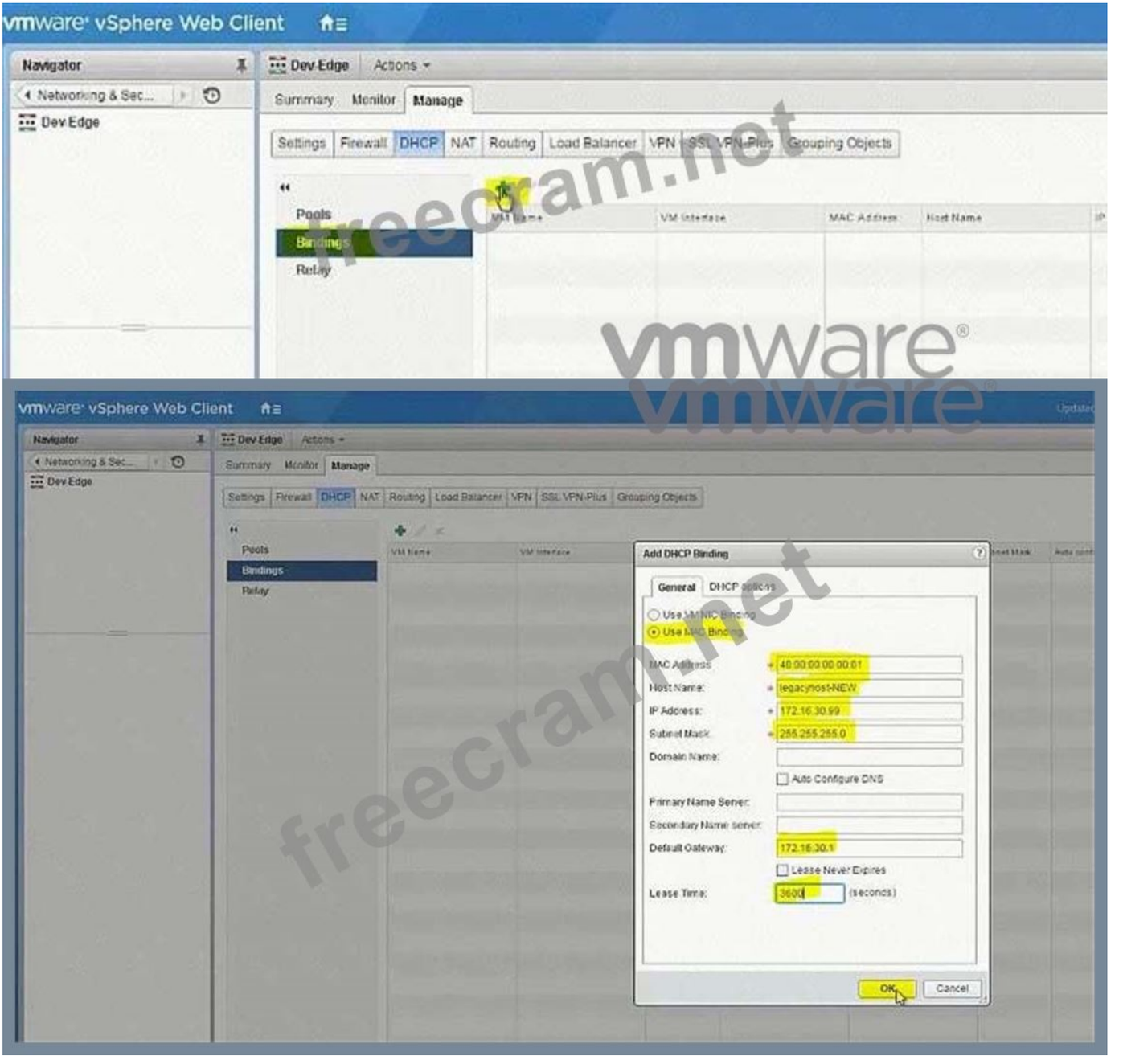


Add Pool as per given details:





Add Pool as per given details:





NEW QUESTION: 4

The security team has submitted two requests to change or limit access in NSX for Site A's vCenter groups.

Requirements:

NSX Manager: nsxmgr-01a.corp.local

vCenter: vcsa-01a.corp.local

Credentials: administrator@vsphere.local / VMware1!

Grant all members of vCenter group AuditTeam the minimal access necessary to view NSX Data Security policy configurations for all objects in Site A.

Grant all members of vCenter group ScanTeam the minimal access necessary to enable them to start and stop data security scans in Site A.

Ensure that the principles of least privilege are adhered to.

NOTE:

The Active Directory groups associated with the vCenter groups has already been preconfigured.

HOL LAB for Practice:

See the explanation part for complete solution.

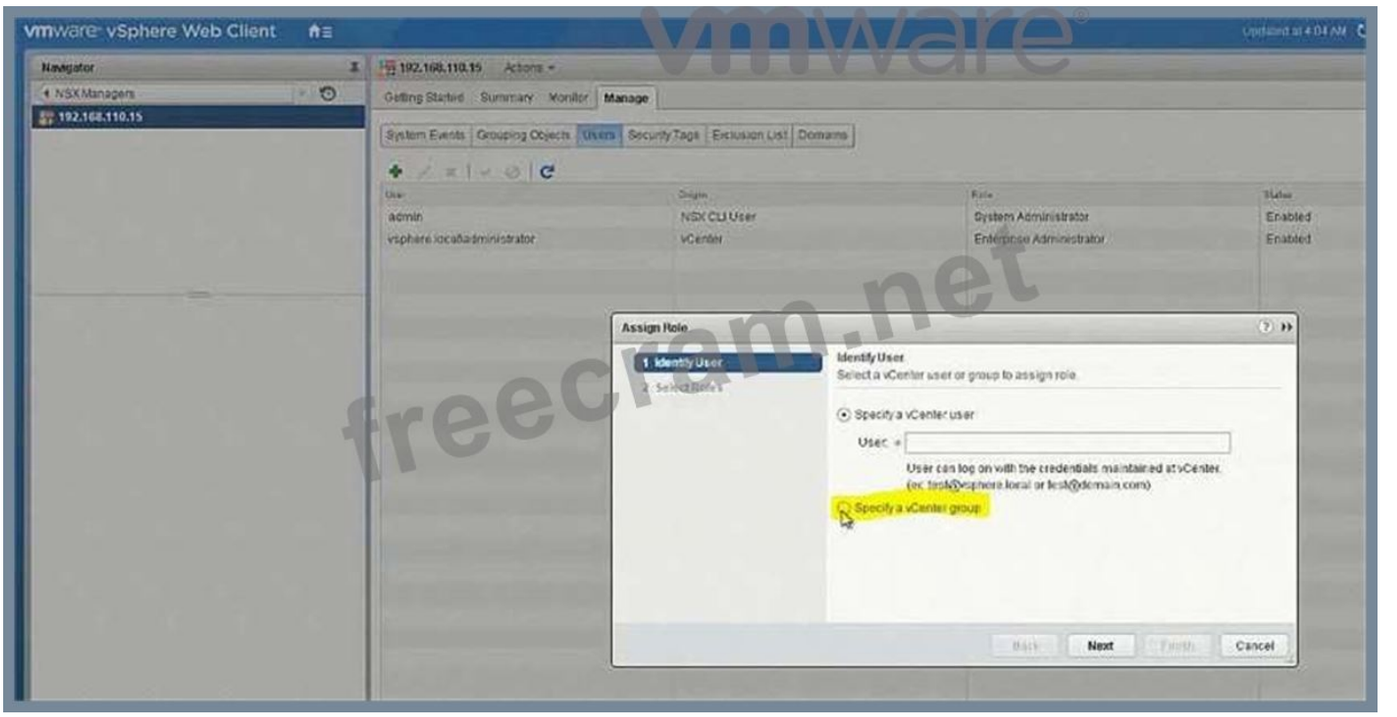
Answer:

SOLUTION:

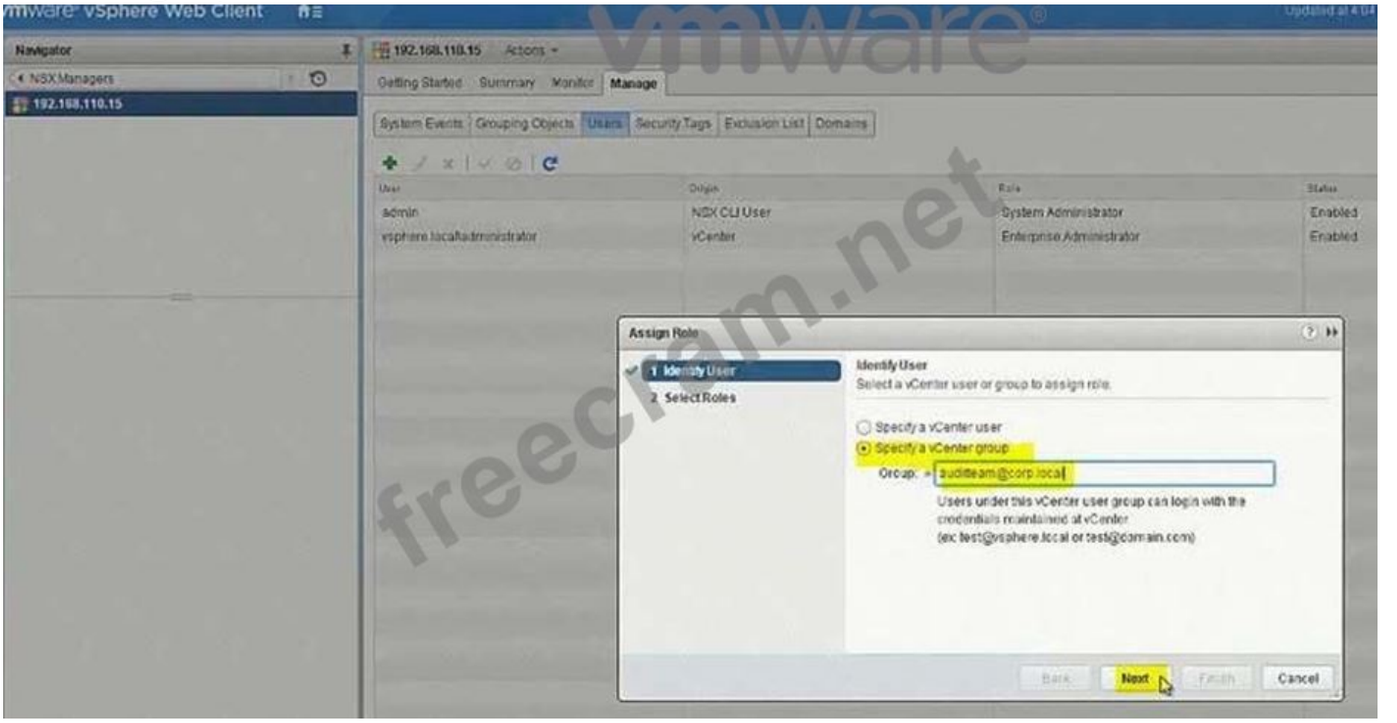
select Home. select administrator. select domain vsphere.local. select groups.

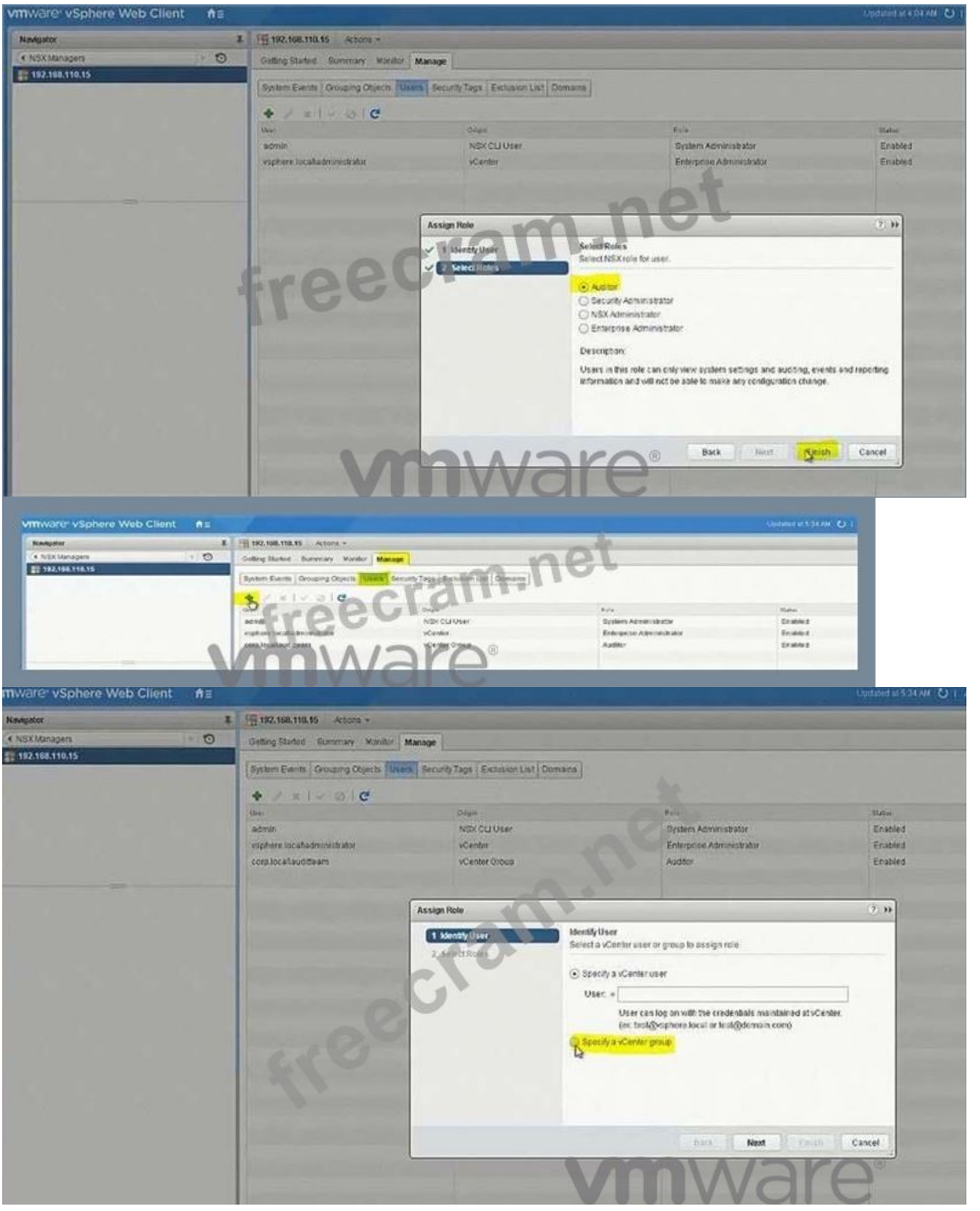
click + sign. enter group name AuditTeam click ok. do same for ScanTeam.



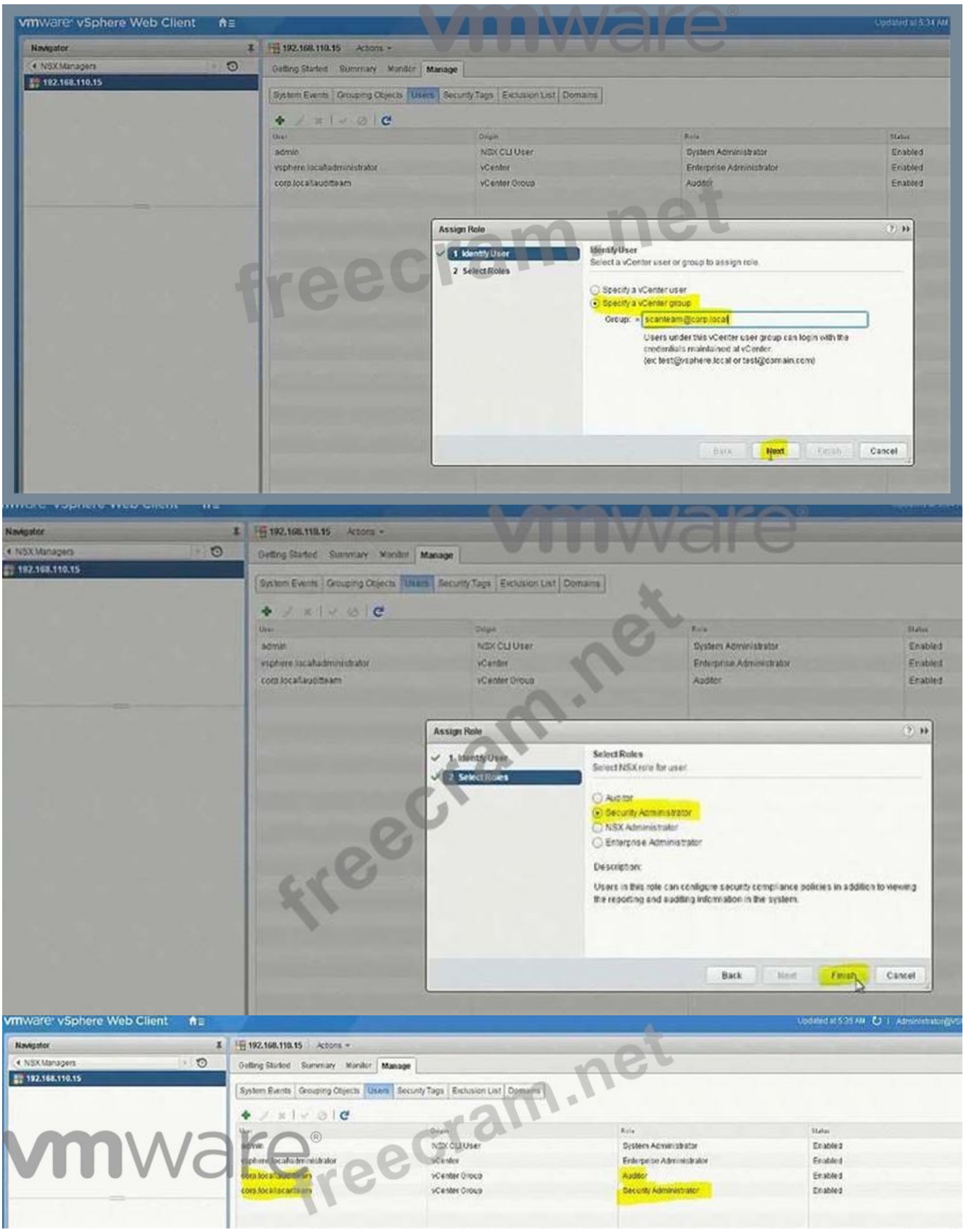


auditteam@corp.local





scanteam@corp.local



select datacenter A.

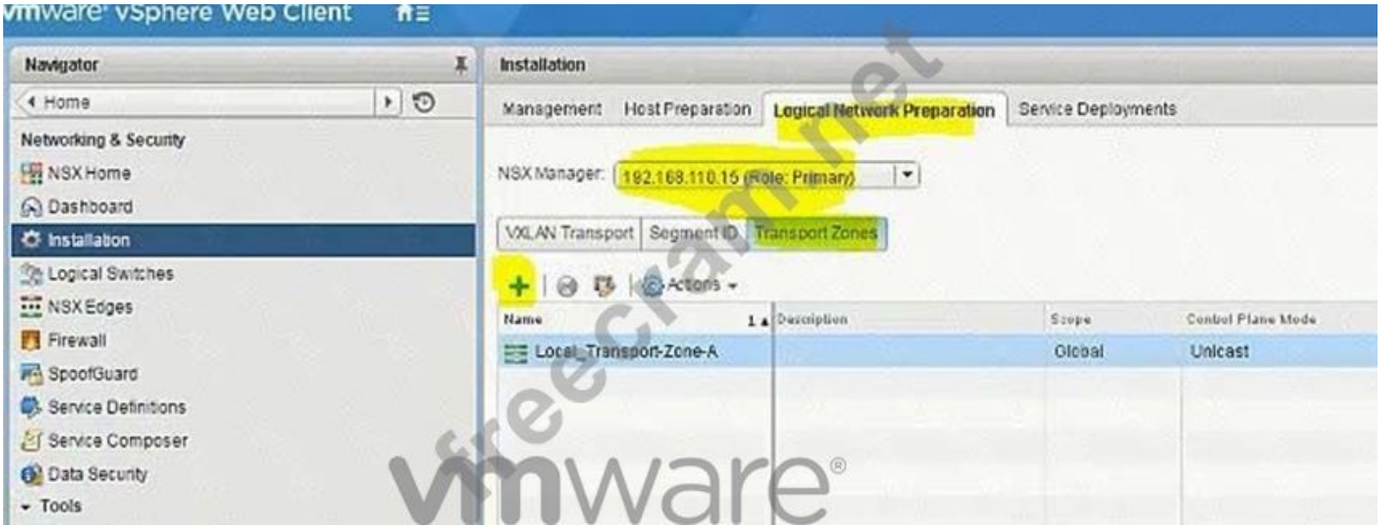
select manage select permission click on + Sign.

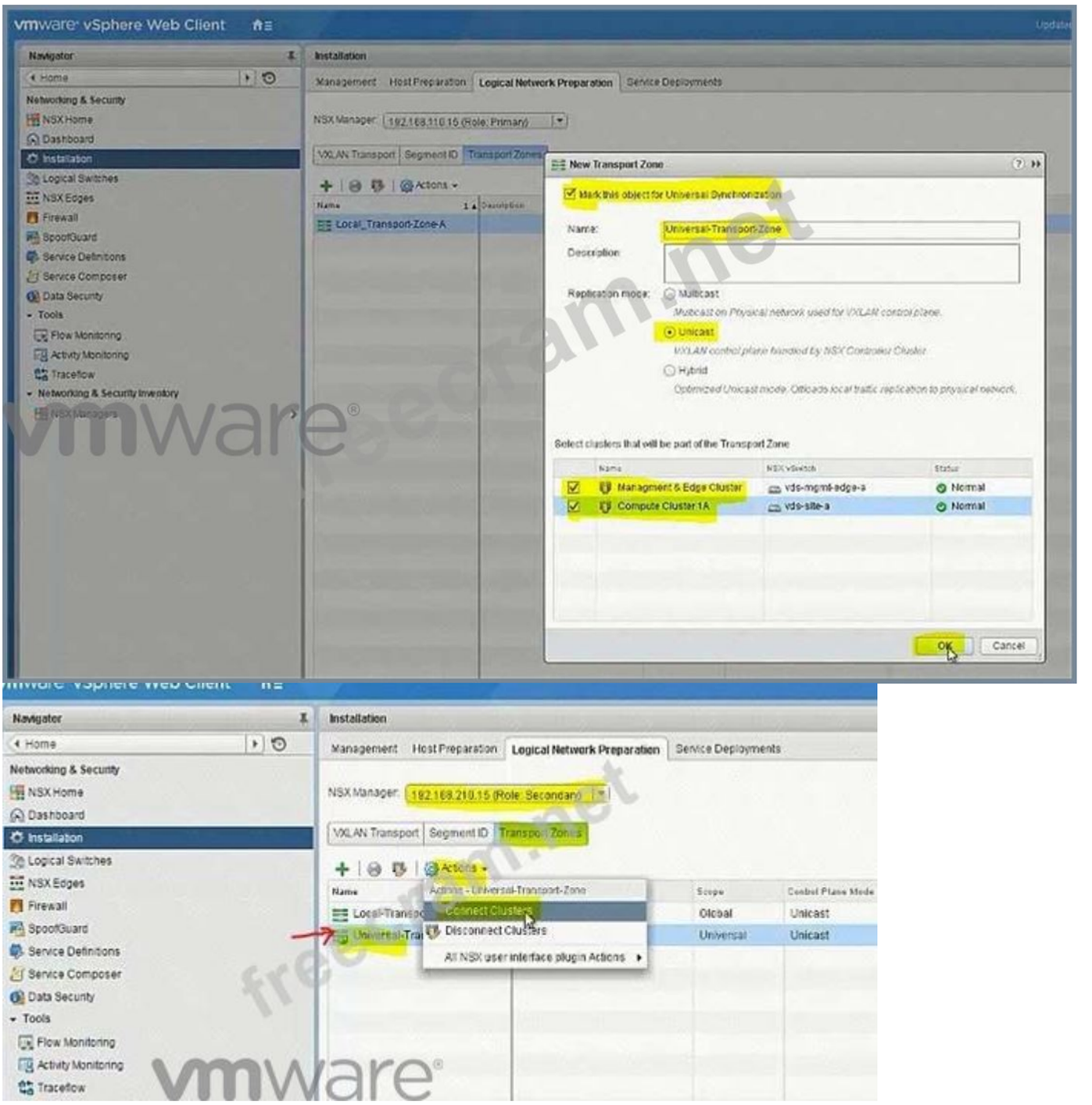
select Assign role read only. select all privileges click on Add

select AuditTeam and select ScanTeam. check propagate to childern. and click ok

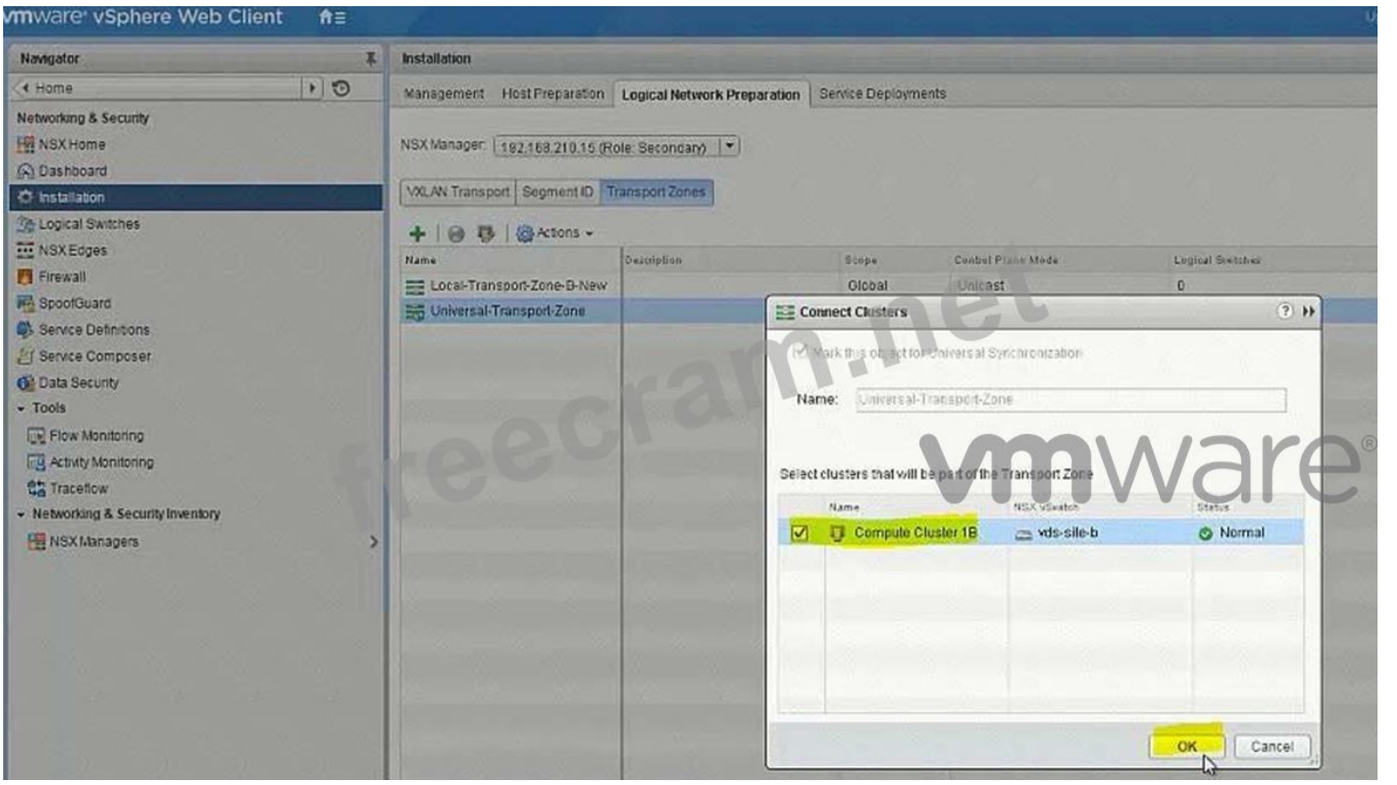
NEW QUESTION: 5
Build a multi-tier network capable of supporting application virtual machines deployed across multiple vCenter instances.
Requirements:
vCenter: vcsa-01a.corp.local
Credentials: administrator@vsphere.local / VMware1!
Resource Pools: Management and Edge Cluster 1A
The underlying physical network does not support multicast.
All new items created must have a prefix of "U" followed by their function name and a suffix of "New".
i.e. U-App-Tier-NEW.
Create a LS for HA management interface calle U-HA-VXLAN=NEW but do not enable HA on any of the edge devices deployed.
Deploy logical switches using separate subnets for the three tier application shared by both NSX Manager instances.
Deploy the required east-west routing component used across multiple vCenter instances for the multi-tier network.
Utilize a default gateway up to the Perimeter-Gateway02 (tenant router) from the east/west router.
Utilize a static route from the tenant router to reach the three tiers of the application.
Subnets for the tiers:
172.7.10.0/24 for the Web Tier.
172.17.20.1/24 for the App Tier.
172.17.30.0/24 for the Database Teir.
Use the first available IP address for the router on each of the tiers.
Subnet for the Transit VXLAN uplink from the application tier routing to the tenant router.
192.168.190.0/29
Uplink IP address of the application tier should be the first available IP address.
Downlink from the tenant router will use the second available IP addresses.
The password for new edge device(s) must be VMware1!VMware1!
Add all virtual machines with a prefix "universal-" to their respective segments.
Ensure all LIFs are reachable from ControlCenter.
HOL LAB for Practice:
See the explanation part for complete solution.
Answer:
SOLUTION:
universal transport zone
logical switches
U-HA-VXLAN-NEW
U-Transit-NEW
U-Web-Tier-NEW

U-App-Tier-New
U-DB-Tier-New
New DLR U-DLR-NEW
HA Interface - U-HA-VXLAN-NEW
Interface below
- U-Transit-NEW uplink 192.168.190.1
- U-Web-Tier-NEW internal 172.17.10.1
- U-App-Tier-NEW internal 172.17.20.1
- U-Db-Tier-NEW internal 172.17.30.1
Gateway
-U-Transit-NEW
Ip 192.168.190.2
PGW02 vnic4 U-Transit-NEW 192.168.190.2



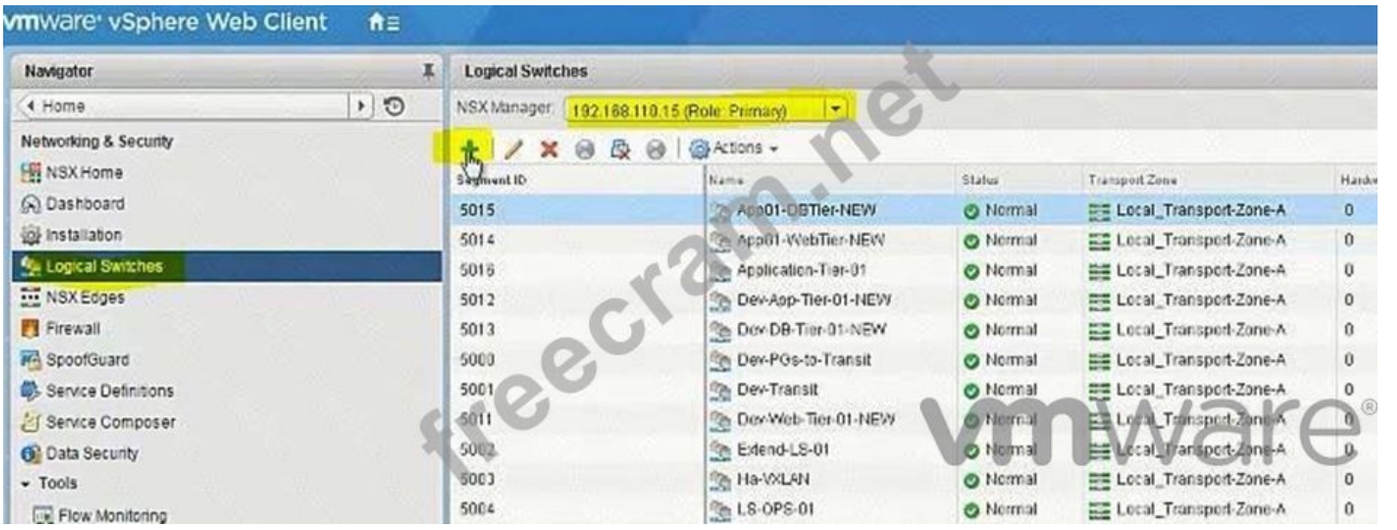

vmware vSphere Web Client
Navigator
Home
Networking & Security
NSX Home
Dashboard
Installation
Logical Switches
NSX Edges
Firewall
SpoofGuard
Service Definitions
Service Composer
Data Security
Tools
Flow Monitoring
Activity Monitoring
Traceflow
Networking & Security Inventory
Installation
Management
Host Preparation
Logical Network Preparation
Service Deployments
NSX Manager: 192.168.110.15 (Role: Primary)
VXLAN Transport
Segment ID
Transport Zones
Actions
Name
Description
Local_Transport-Zone-A
New Transport Zone
Mark this object for Universal Synchronization
Name: Universal-Transport-Zone
Description:
Replication mode:
Multicast
Multicast on Physical network used for VXLAN control plane.
Unicast
VXLAN control plane handled by NSX Controller Cluster.
Hybrid
Optimized Unicast mode. Offloads local traffic replication to physical network.
Select clusters that will be part of the Transport Zone
Name
NSX vSwitch
Status
Managment & Edge Cluster
vds-mgmt-edge-a
Normal
Compute Cluster 1A
vds-site-a
Normal
OK
Cancel

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Flow Monitoring
Activity Monitoring
Traceflow
Installation
Management
Host Preparation
Logical Network Preparation
Service Deployments
NSX Manager: 192.168.210.15 (Role: Secondary)
VXLAN Transport
Segment ID
Transport Zones
Actions
Name
Scope
Control Plane Mode
Actions - Universal-Transport-Zone
Connect Clusters
Disconnect Clusters
All NSX user interface plugin Actions
Global
Unicast
Universal
Unicast

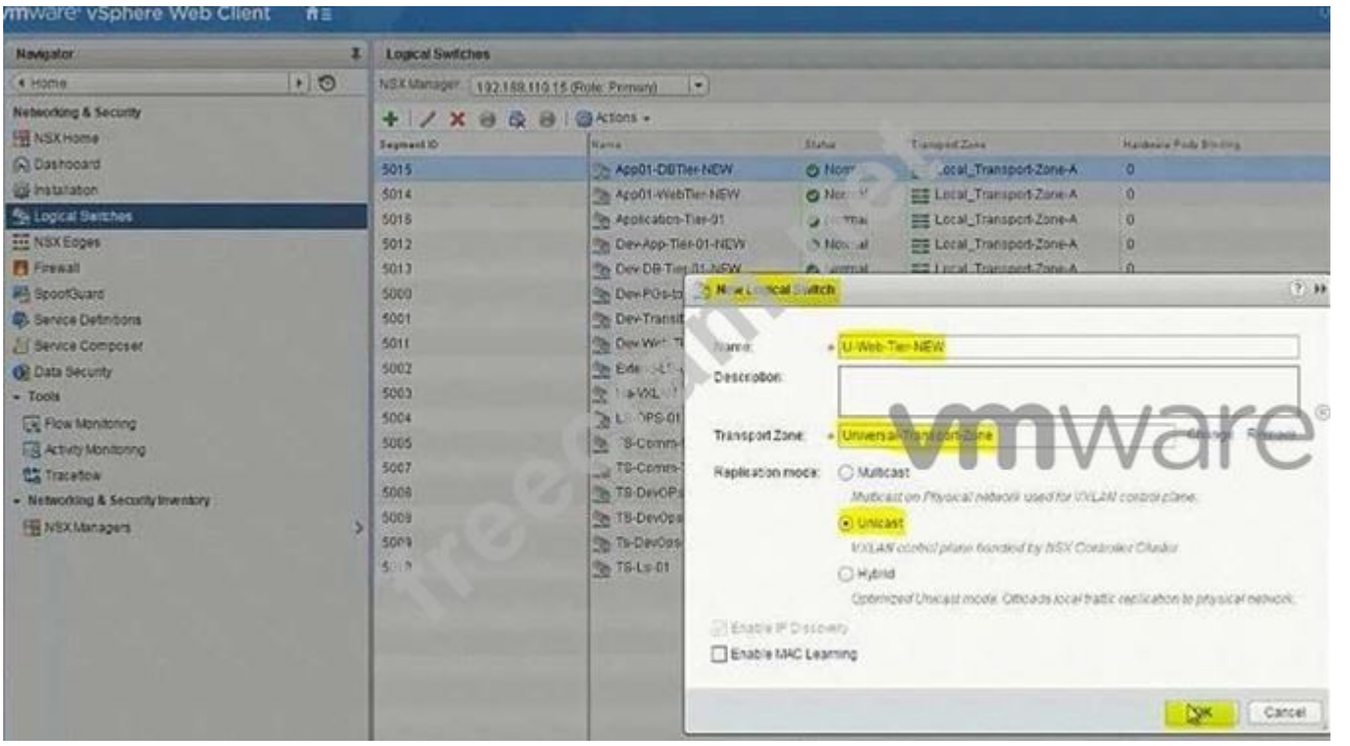


Create 5 logical switches

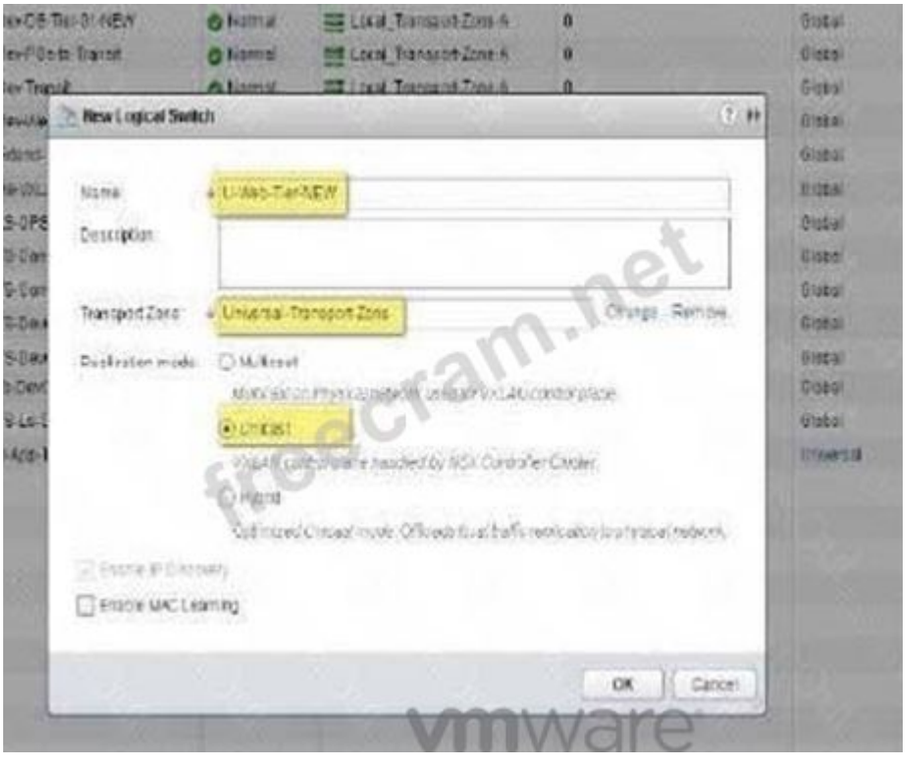
U-Transit-NEW

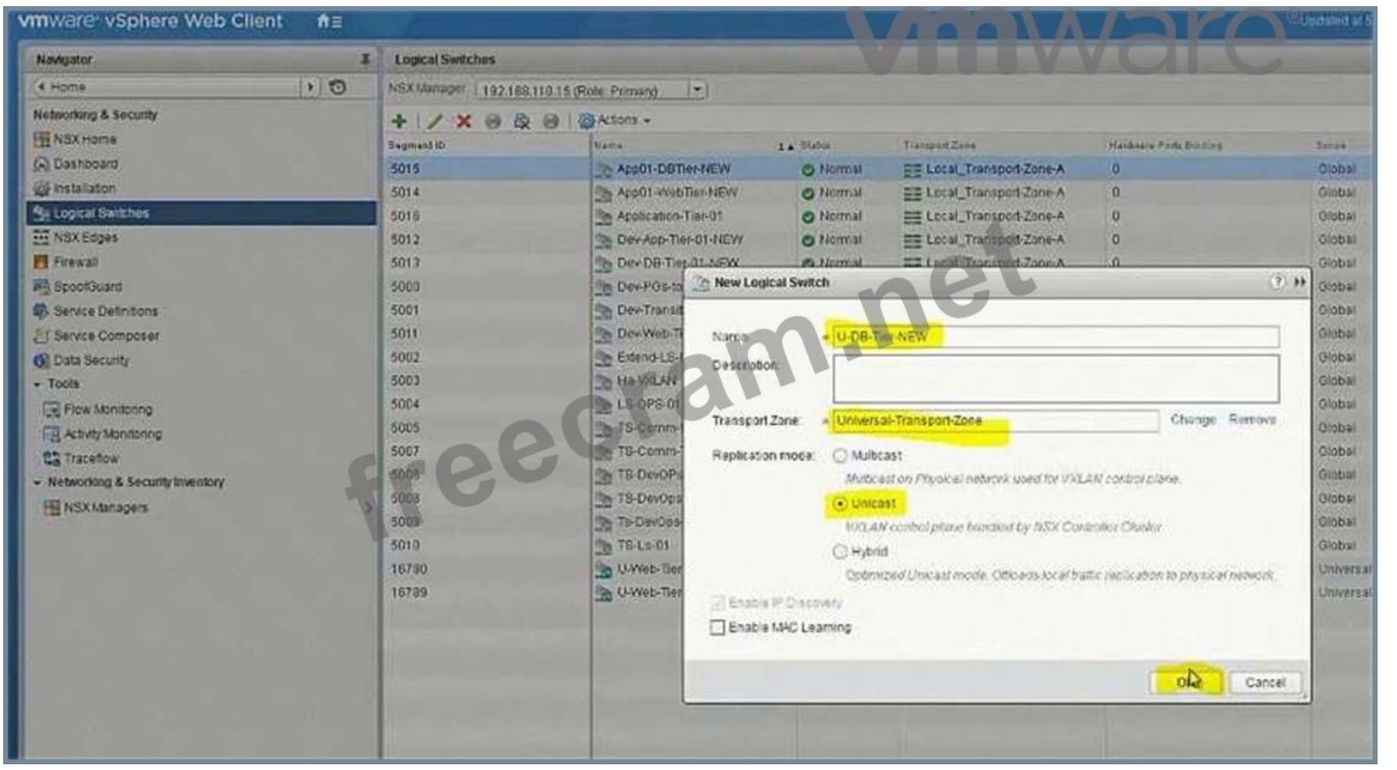


U-Web-Tier-NEW

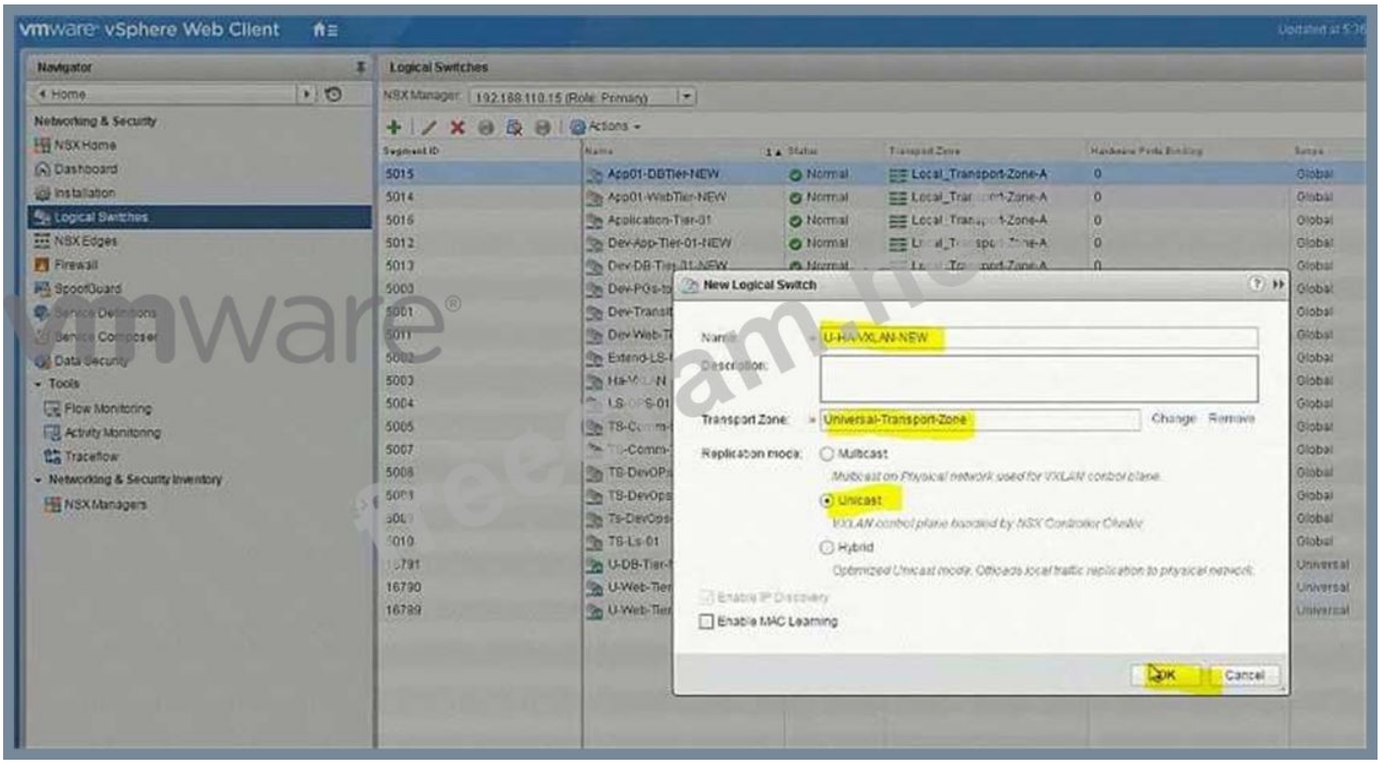


U-App-Tier-NEW

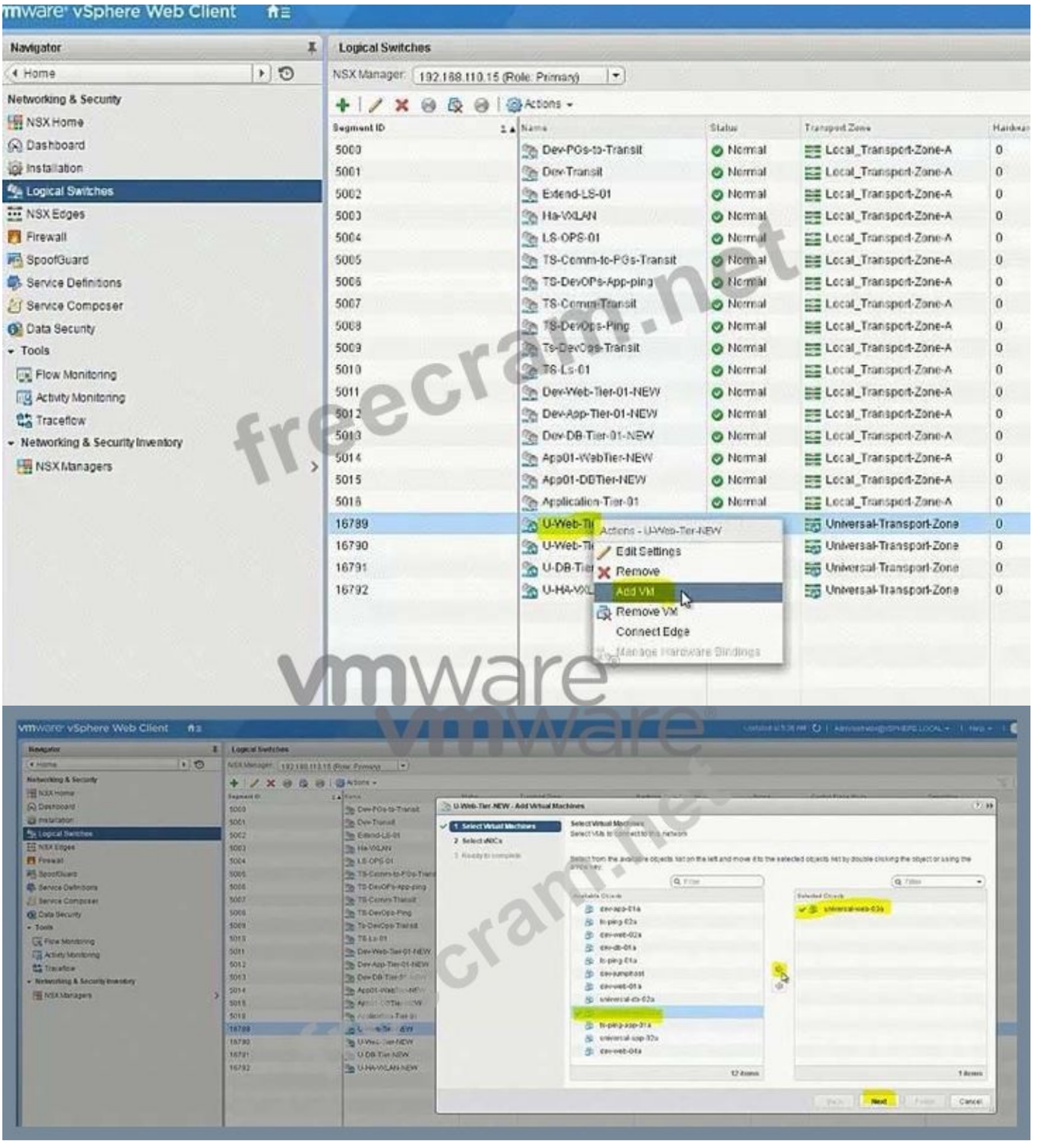


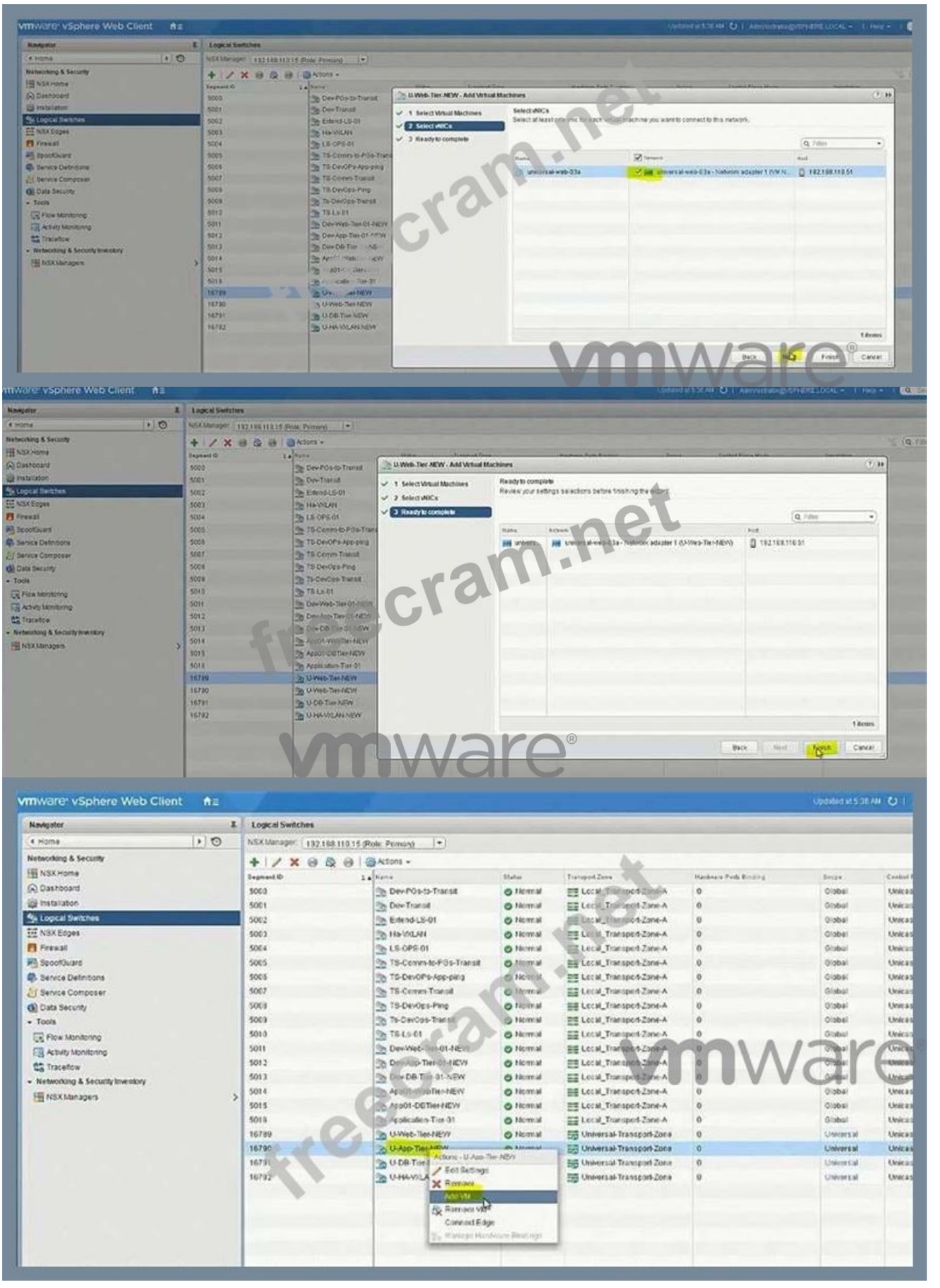


U-DB-Tier-NEW

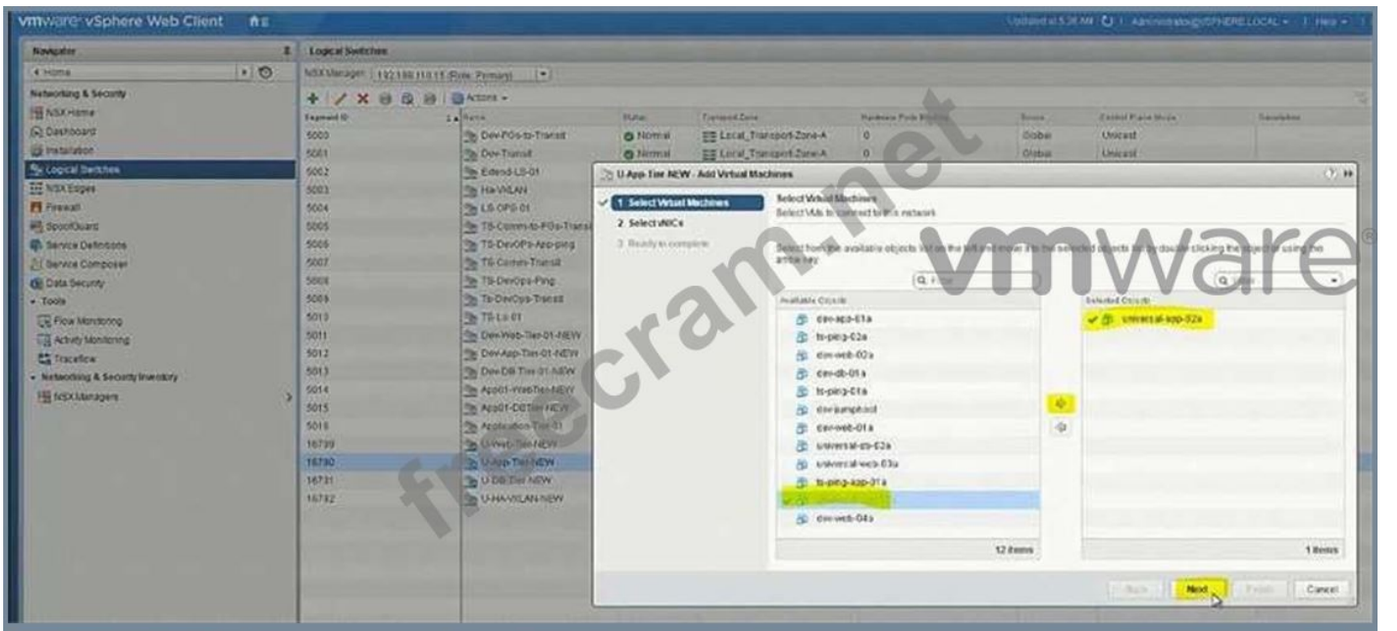


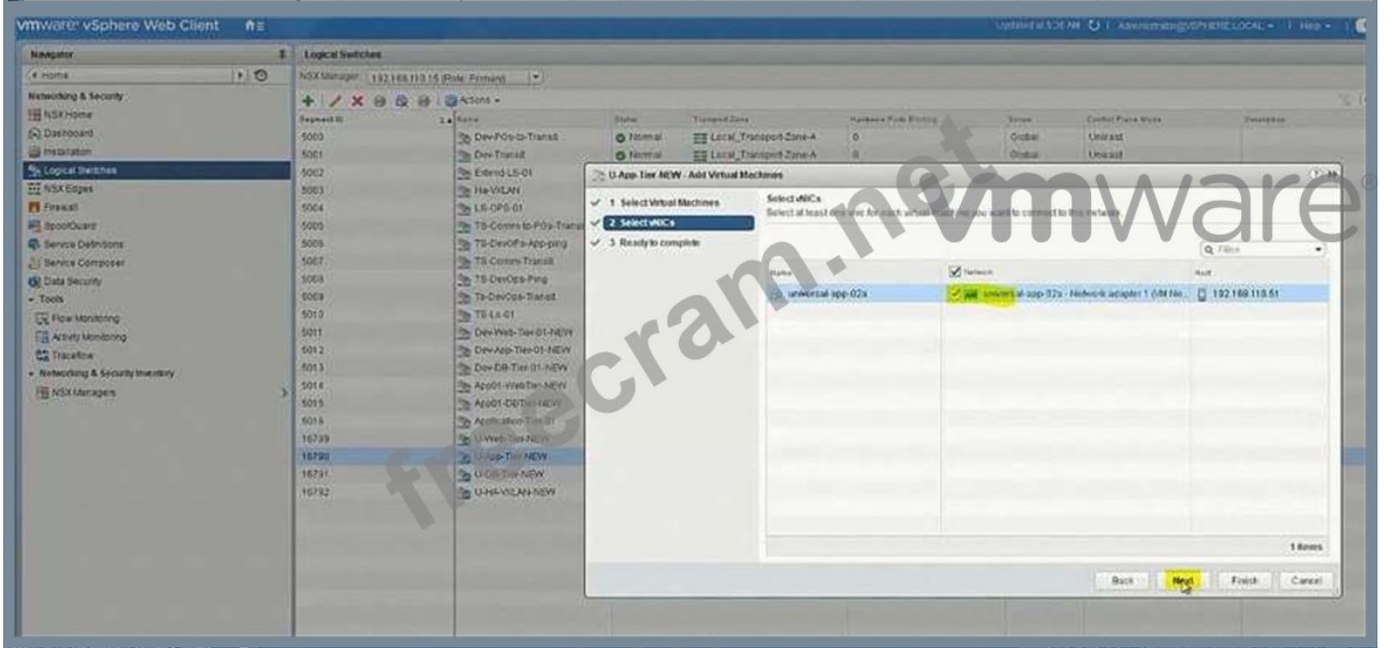
Add VMs to relevant newly created Logical Switches.

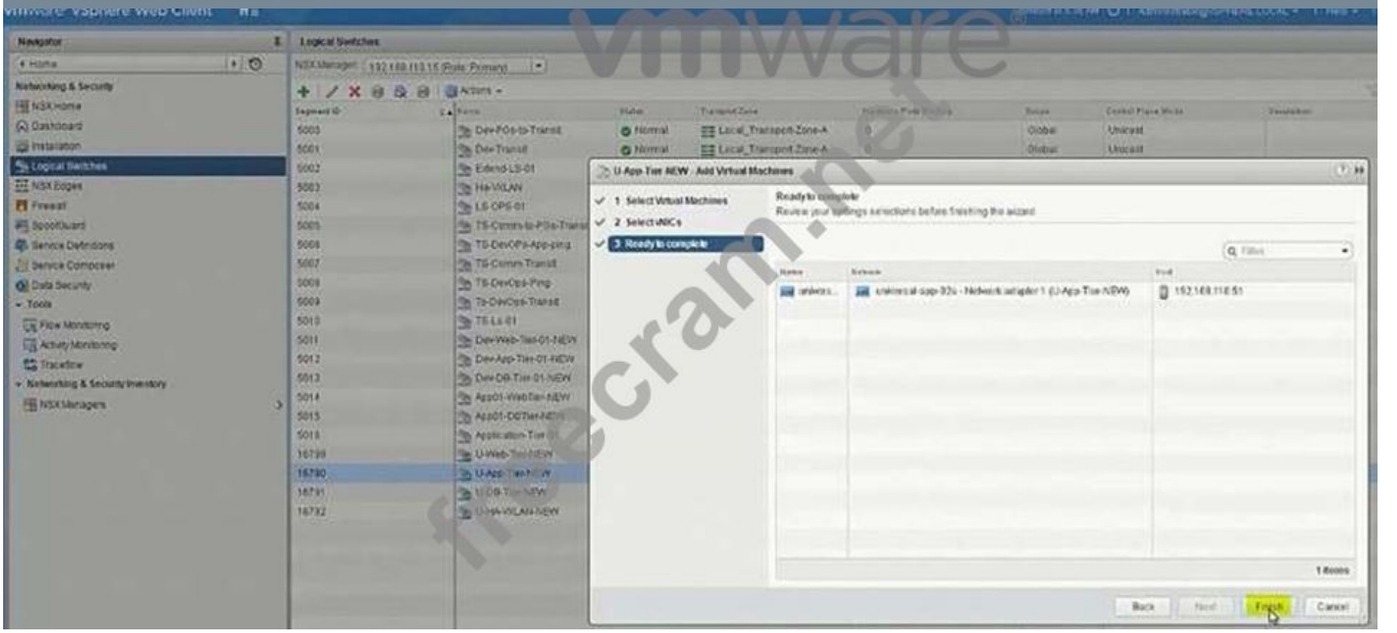

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Activity Monitoring
Traceflow
Networking & Security Inventory
NSX Managers
Logical Switches
NSX Manager: 192.168.110.15 (Role: Primary)
Actions
Segment ID
Name
Status
Transport Zone
5000 Dev-POs-to-Transit Normal Local_Transport-Zone-A 0
5001 Dev-Transit Normal Local_Transport-Zone-A 0
5002 Extend-LS-01 Normal Local_Transport-Zone-A 0
5003 Ha-VXLAN Normal Local_Transport-Zone-A 0
5004 LS-OPS-01 Normal Local_Transport-Zone-A 0
5005 TS-Comm-to-POs-Transit Normal Local_Transport-Zone-A 0
5006 TS-DevOPs-App-ping Normal Local_Transport-Zone-A 0
5007 TS-Comm-Transit Normal Local_Transport-Zone-A 0
5008 TS-DevOps-Ping Normal Local_Transport-Zone-A 0
5009 Ts-DevOps-Transit Normal Local_Transport-Zone-A 0
5010 TS-Ls-01 Normal Local_Transport-Zone-A 0
5011 Dev-Web-Tier-01-NEW Normal Local_Transport-Zone-A 0
5012 Dev-App-Tier-01-NEW Normal Local_Transport-Zone-A 0
5013 Dev-DB-Tier-01-NEW Normal Local_Transport-Zone-A 0
5014 App01-WebTier-NEW Normal Local_Transport-Zone-A 0
5015 App01-DBTier-NEW Normal Local_Transport-Zone-A 0
5016 Application-Tier-01 Normal Local_Transport-Zone-A 0
16789 U-Web-Ti Universal-Transport-Zone 0
16790 U-Web-Ti Universal-Transport-Zone 0
16791 U-DB-Tier Universal-Transport-Zone 0
16792 U-HA-VXL Universal-Transport-Zone 0
Actions - U-Web-Tier-NEW
Edit Settings
Remove
Add VM
Remove VM
Connect Edge
Manage Hardware Bindings



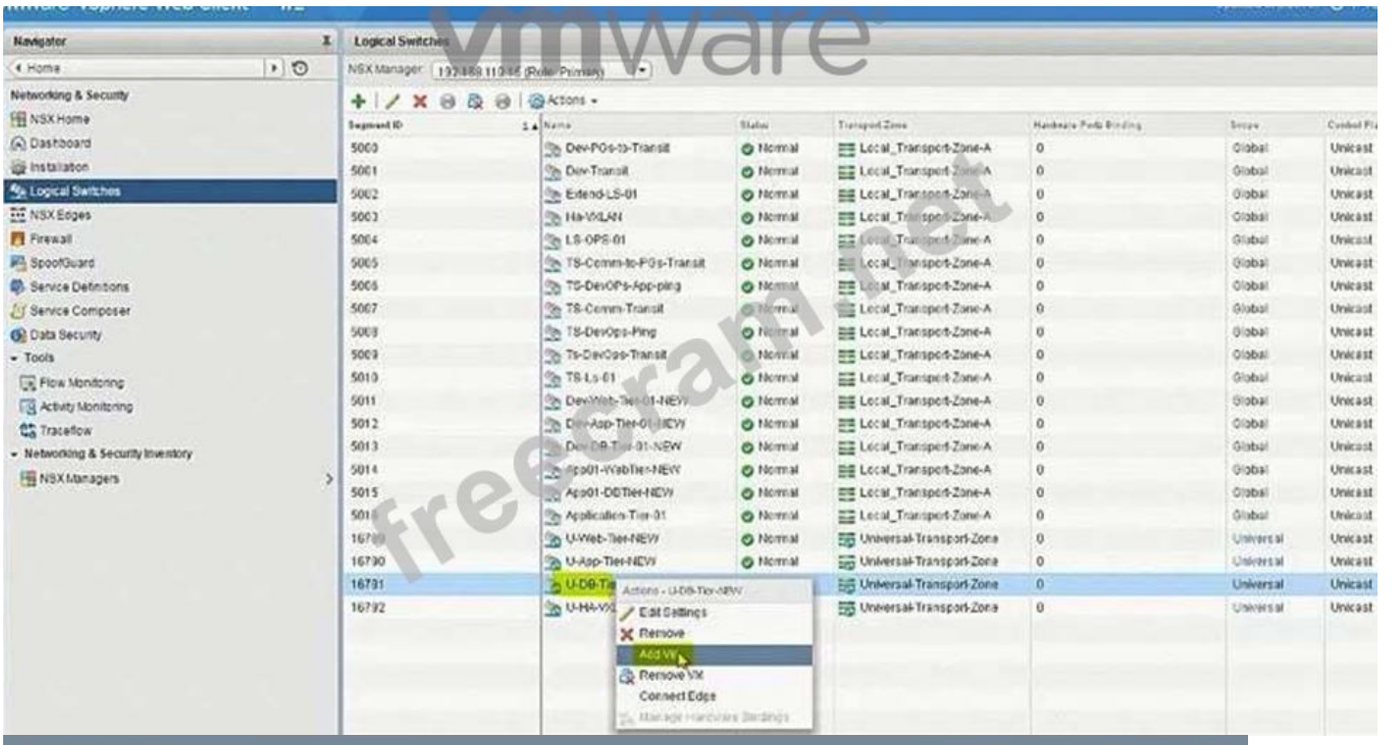
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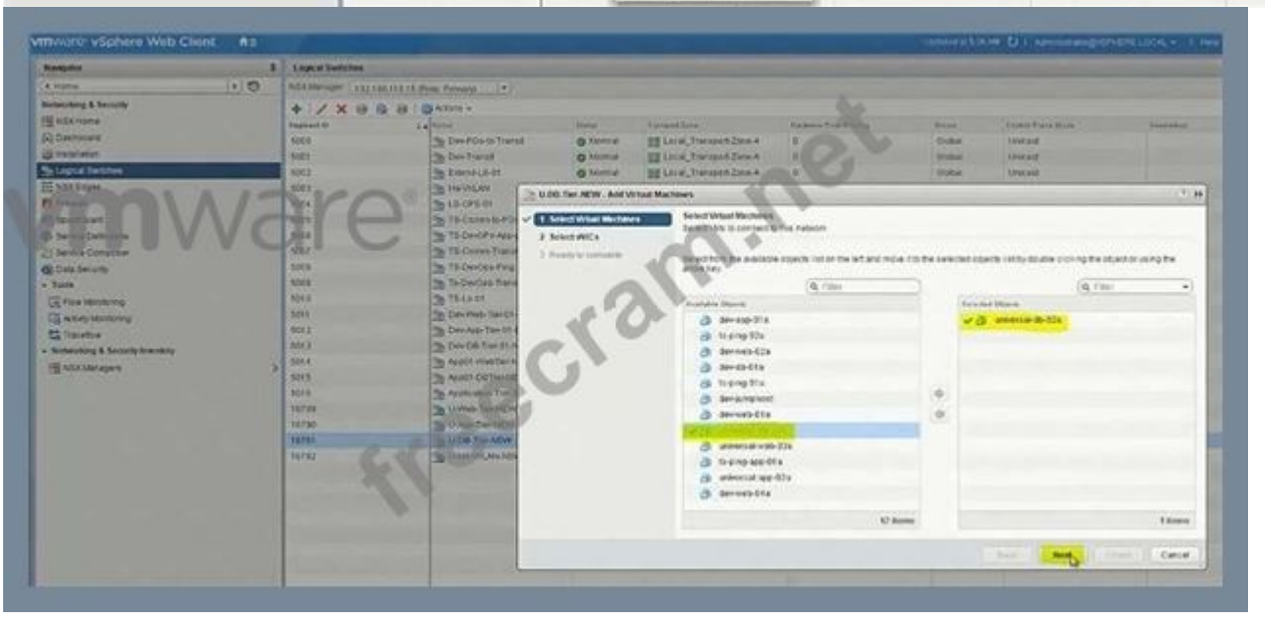


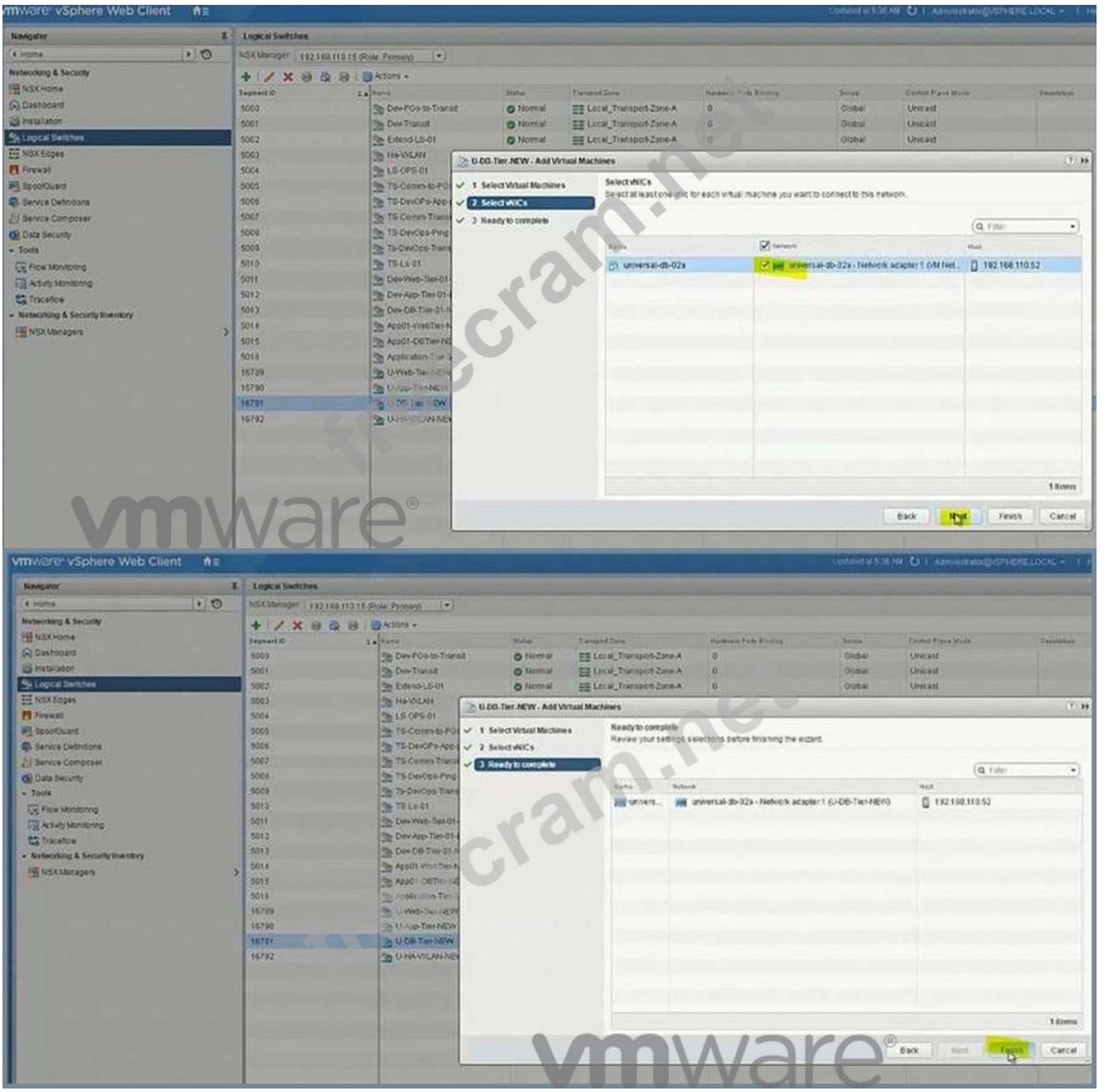




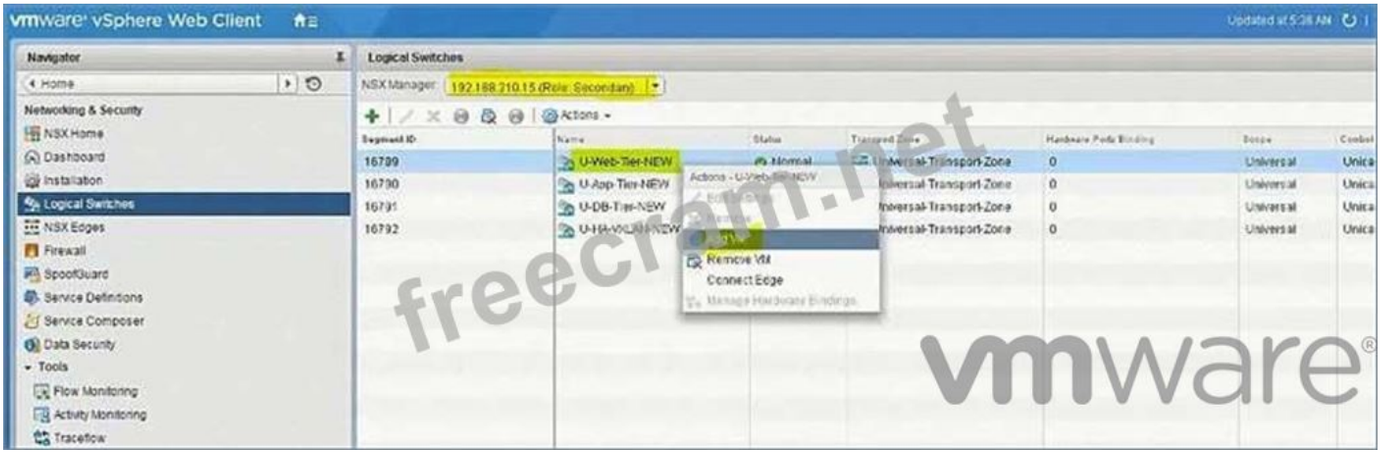
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Navigator
Home
Networking & Security
NSX Home
Dashboard
Installation
Logical Switches
NSX Edges
Firewall
SpoofGuard
Service Definitions
Service Composer
Data Security
Tools
Flow Monitoring
Activity Monitoring
Traceflow
Networking & Security Inventory
NSX Managers
Logical Switches
NSX Manager:
Actions
Segment ID
Name
Status
Transport Zone
Hardware Port Binding
Scope
Control Plane Mode
5000 Dev-POs-to-Transit Normal Local_Transport-Zone-A 0 Global Unicast
5001 Dev-Transit Normal Local_Transport-Zone-A 0 Global Unicast
5002 Extend-LS-01 Normal Local_Transport-Zone-A 0 Global Unicast
5003 Ha-VXLAN Normal Local_Transport-Zone-A 0 Global Unicast
5004 LS-OPS-01 Normal Local_Transport-Zone-A 0 Global Unicast
5005 TS-Comm-to-POs-Transit Normal Local_Transport-Zone-A 0 Global Unicast
5006 TS-DevOPs-App-ping Normal Local_Transport-Zone-A 0 Global Unicast
5007 TS-Comm-Transit Normal Local_Transport-Zone-A 0 Global Unicast
5008 TS-DevOps-Ping Normal Local_Transport-Zone-A 0 Global Unicast
5009 Ts-DevOps-Transit Normal Local_Transport-Zone-A 0 Global Unicast
5010 TS-Ls-01 Normal Local_Transport-Zone-A 0 Global Unicast
5011 Dev-Web-Tier-01-NEW Normal Local_Transport-Zone-A 0 Global Unicast
5012 Dev-App-Tier-01-NEW Normal Local_Transport-Zone-A 0 Global Unicast
5013 Dev-DB-Tier-01-NEW Normal Local_Transport-Zone-A 0 Global Unicast
5014 App01-WebTier-NEW Normal Local_Transport-Zone-A 0 Global Unicast
5015 App01-DBTier-NEW Normal Local_Transport-Zone-A 0 Global Unicast
Application-Tier-01 Normal Local_Transport-Zone-A 0 Global Unicast
16789 U-Web-Tier-NEW Normal Universal-Transport-Zone 0 Universal Unicast
16790 U-App-Tier-NEW Normal Universal-Transport-Zone 0 Universal Unicast
16791 U-DB-Tier Universal-Transport-Zone 0 Universal Unicast
16792 U-HA-VXLAN Universal-Transport-Zone 0 Universal Unicast
Actions - U-DB-Tier-NEW
Edit Settings
Remove
Add VM
Remove VM
Connect Edge
Manage Hardware Settings

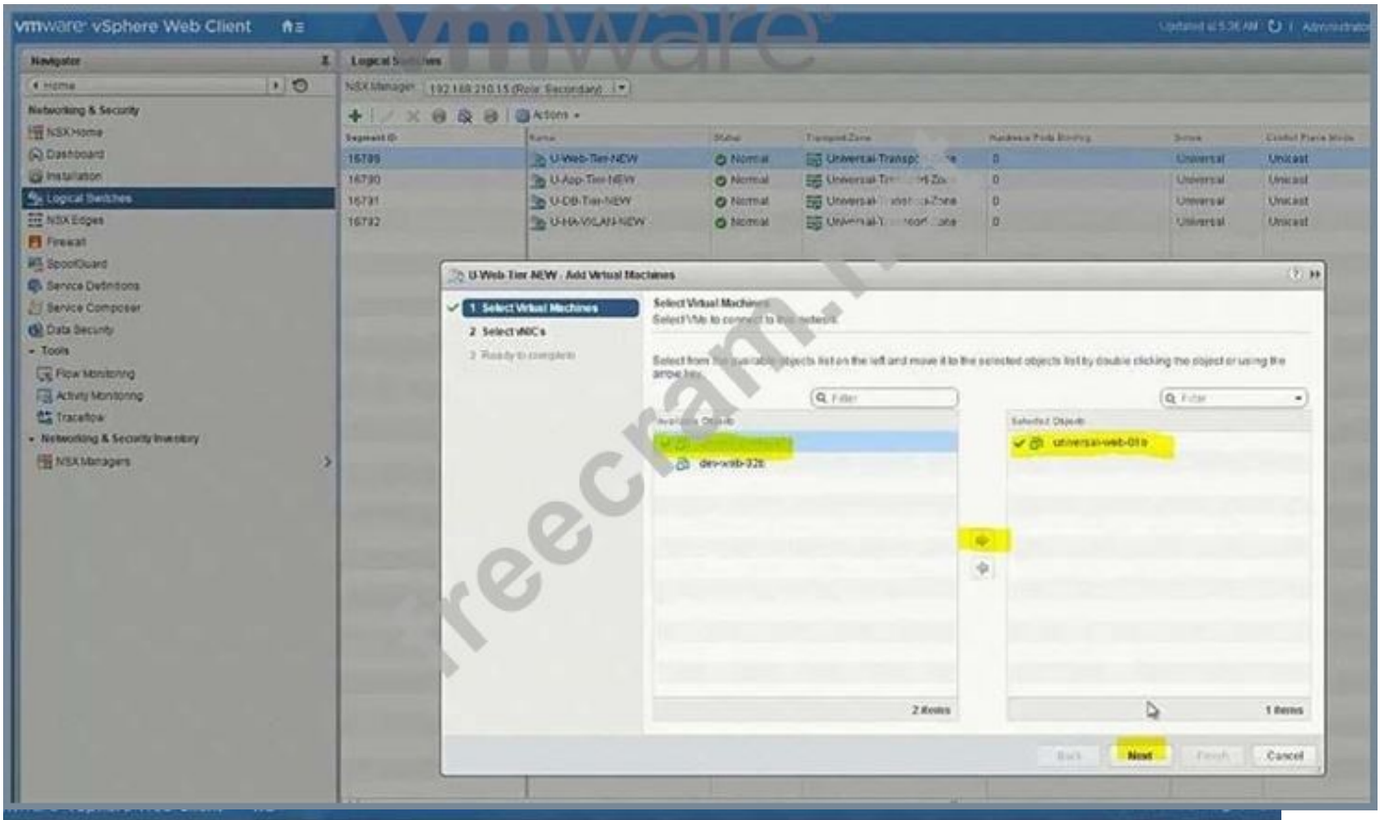

vmware vSphere Web Client
U-DB-Tier-NEW - Add Virtual Machines
1 Select Virtual Machines
2 Select vNICs
3 Ready to complete
Select Virtual Machines
Next
Cancel

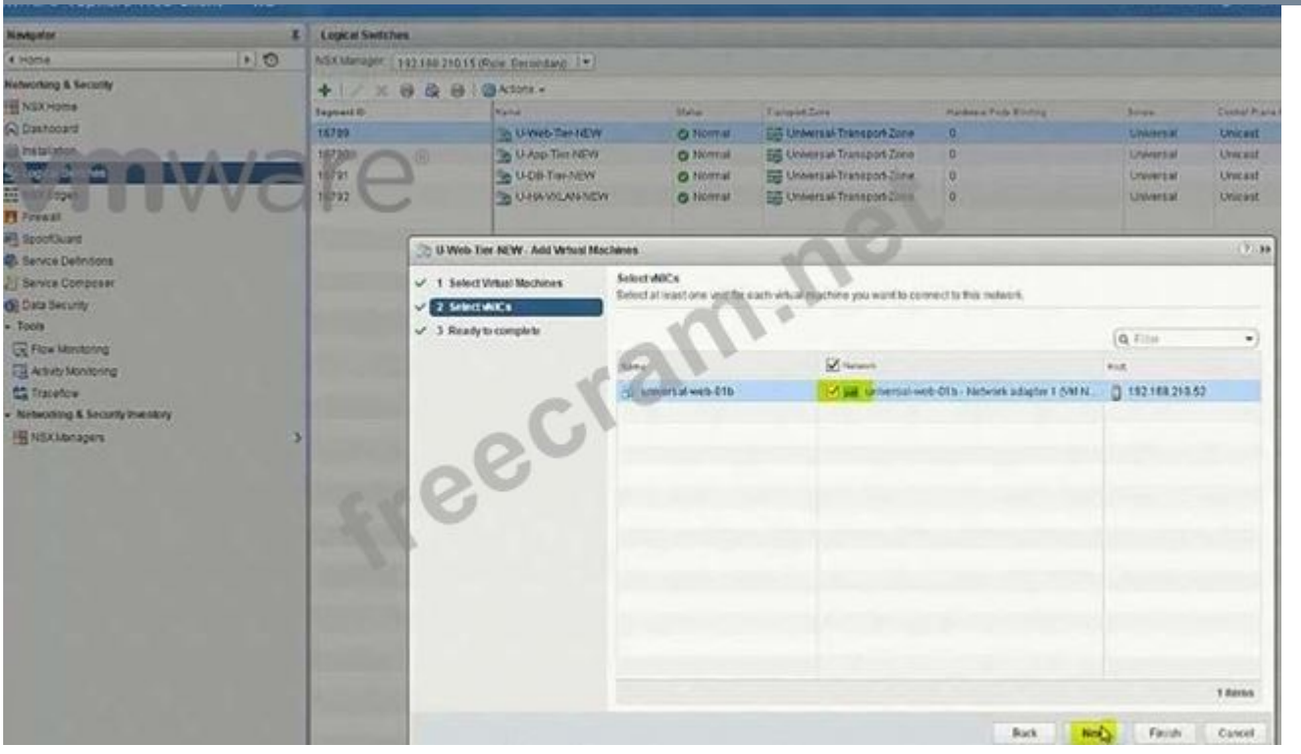


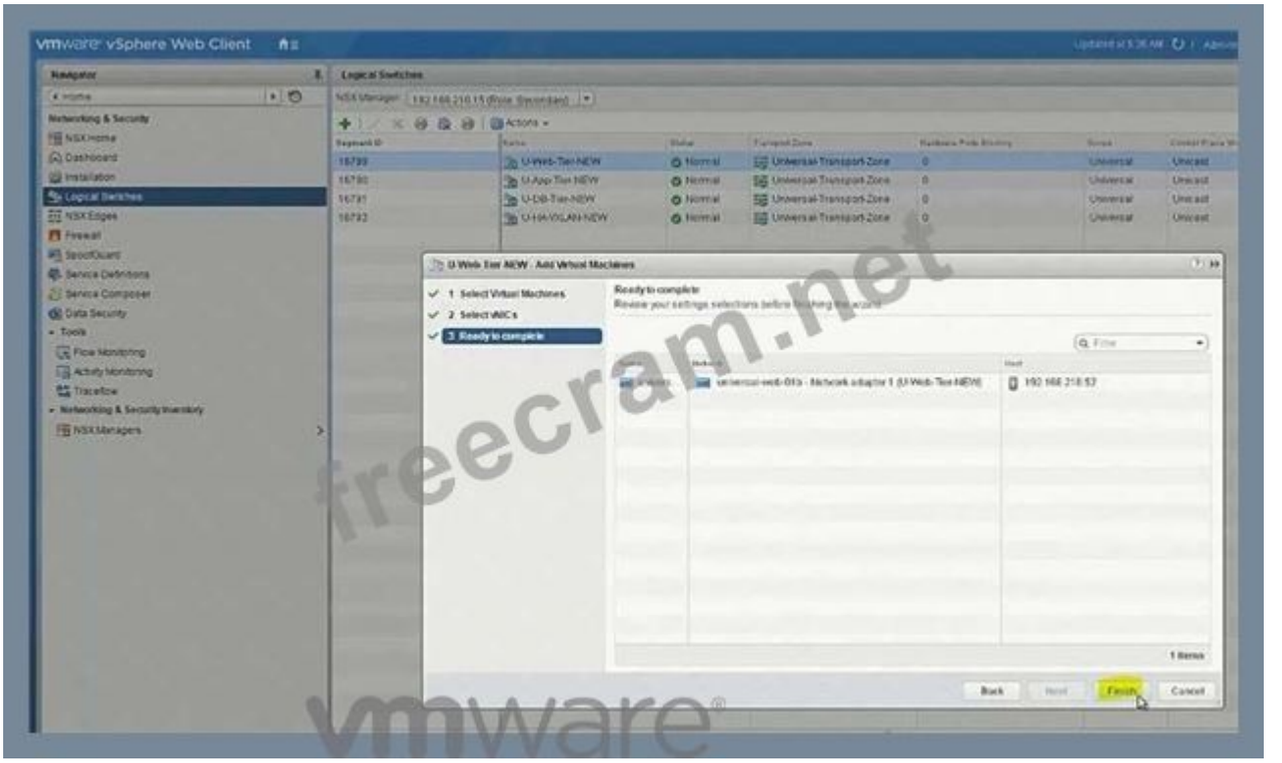
No need



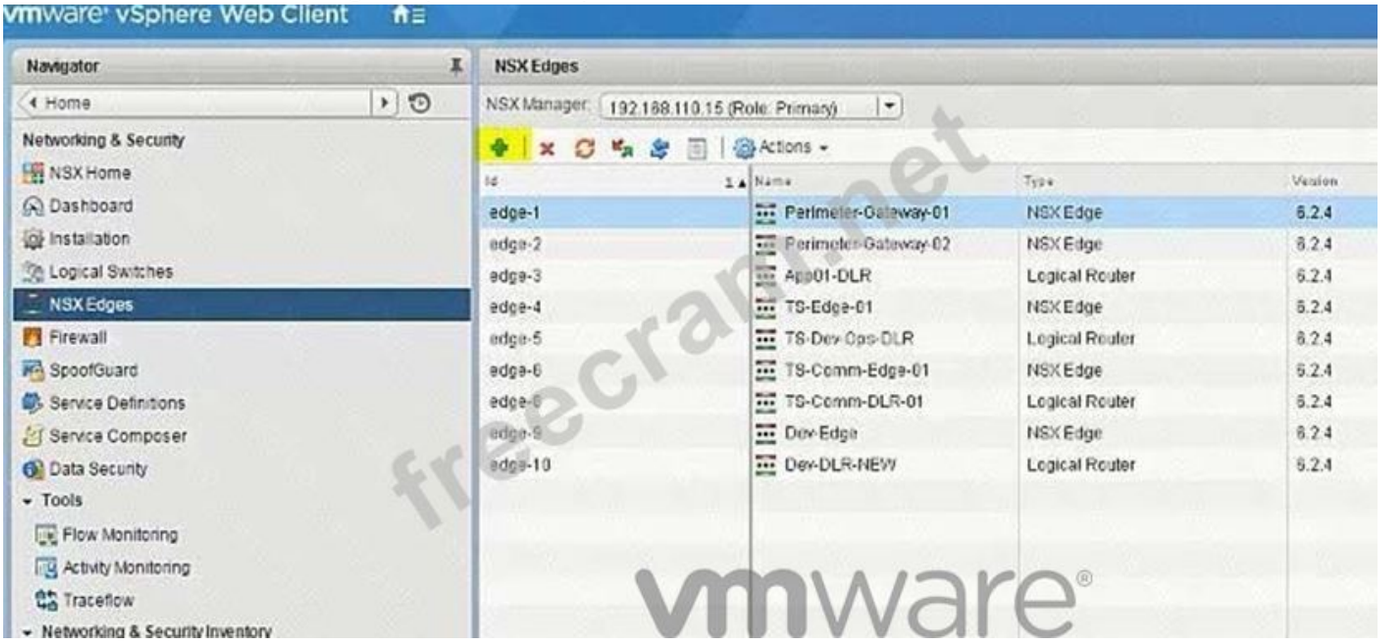
freecram.net


vmware vSphere Web Client
Navigator
Logical Switches
U-Web-Tier-NEW
U-App-Tier-NEW
U-DB-Tier-NEW
U-HA-VXLAN-NEW
U Web Tier NEW - Add Virtual Machines
1 Select Virtual Machines
2 Select vNICs
3 Ready to complete
universal-web-01b
2 items
1 items
Back
Next
Finish
Cancel

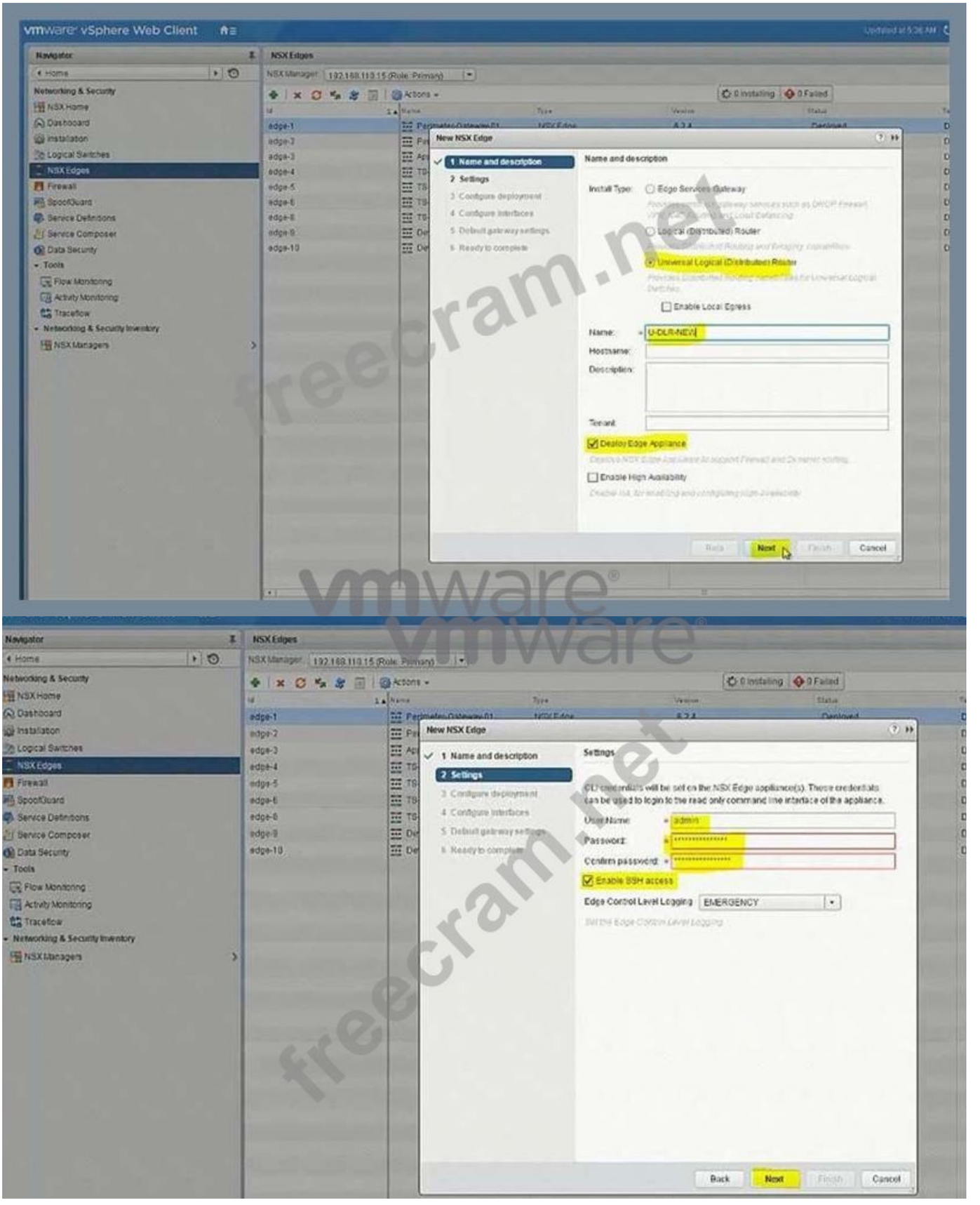

Logical Switches
U-Web-Tier-NEW
U-App-Tier-NEW
U-DB-Tier-NEW
U-HA-VXLAN-NEW
U Web Tier NEW - Add Virtual Machines
1 Select Virtual Machines
2 Select vNICs
3 Ready to complete
Select vNICs
universal-web-01b
192.168.210.52
1 items
Back
Next
Finish
Cancel



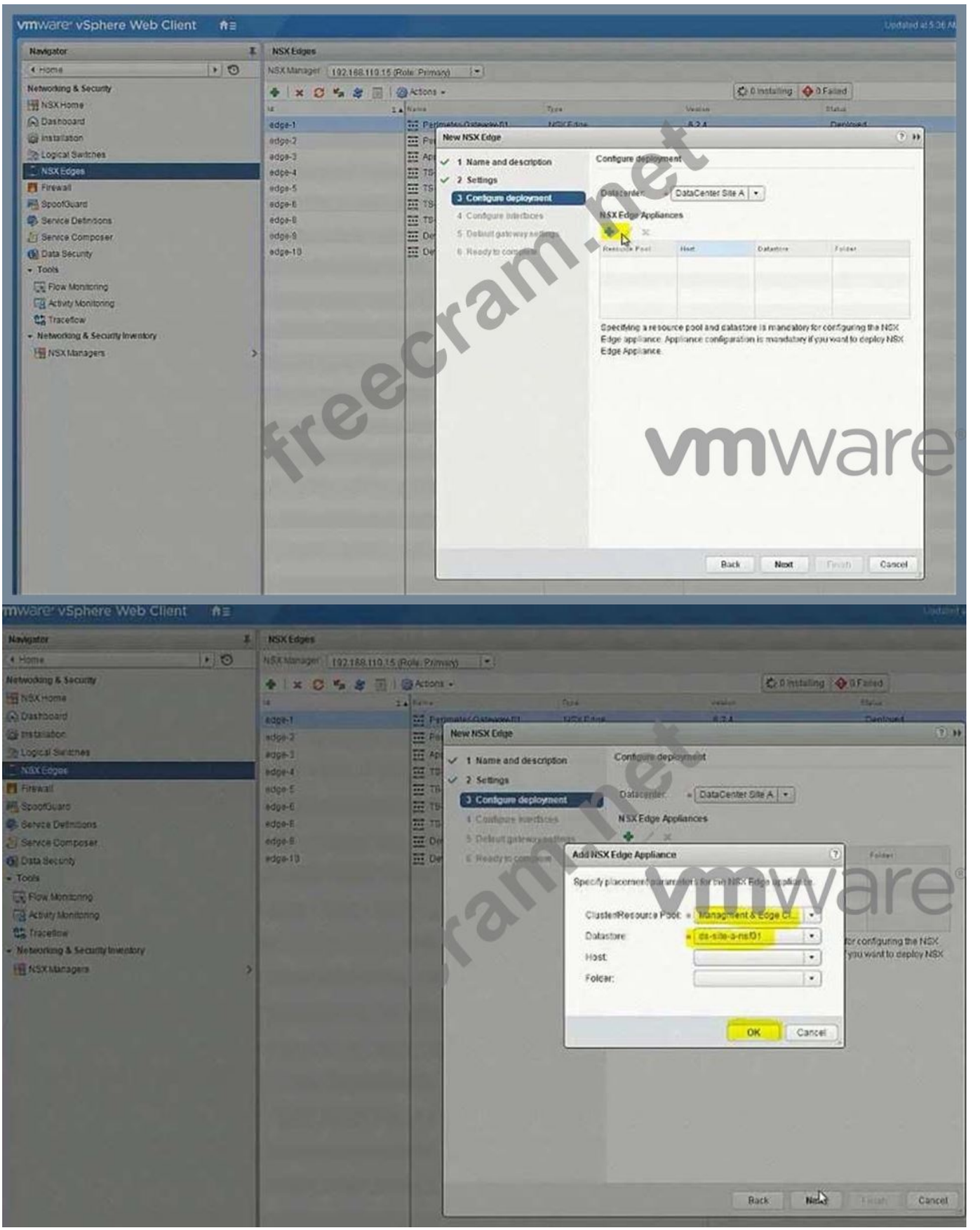
Create new Universal Logical (Distributed) Router:



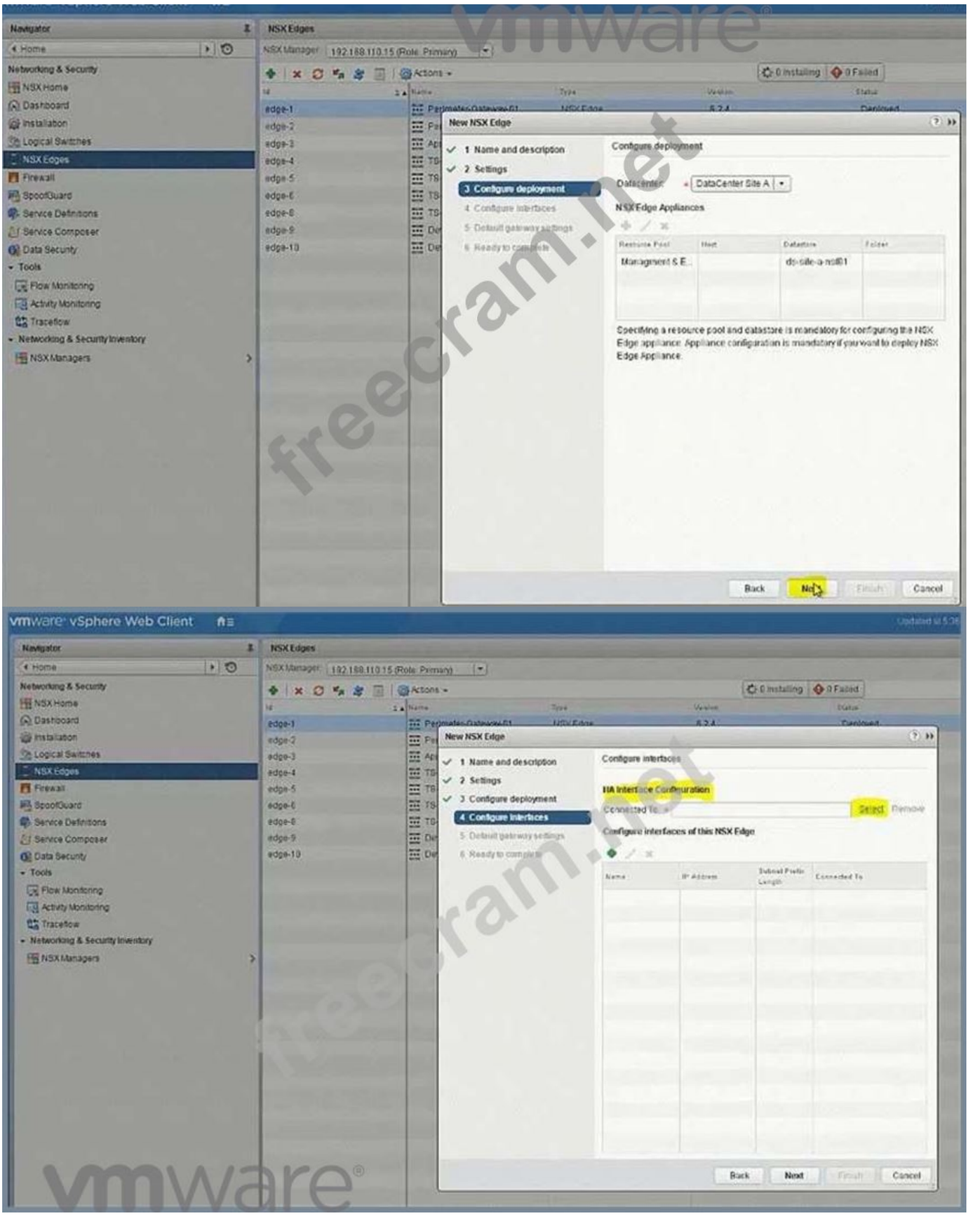
U-DLR-NEW

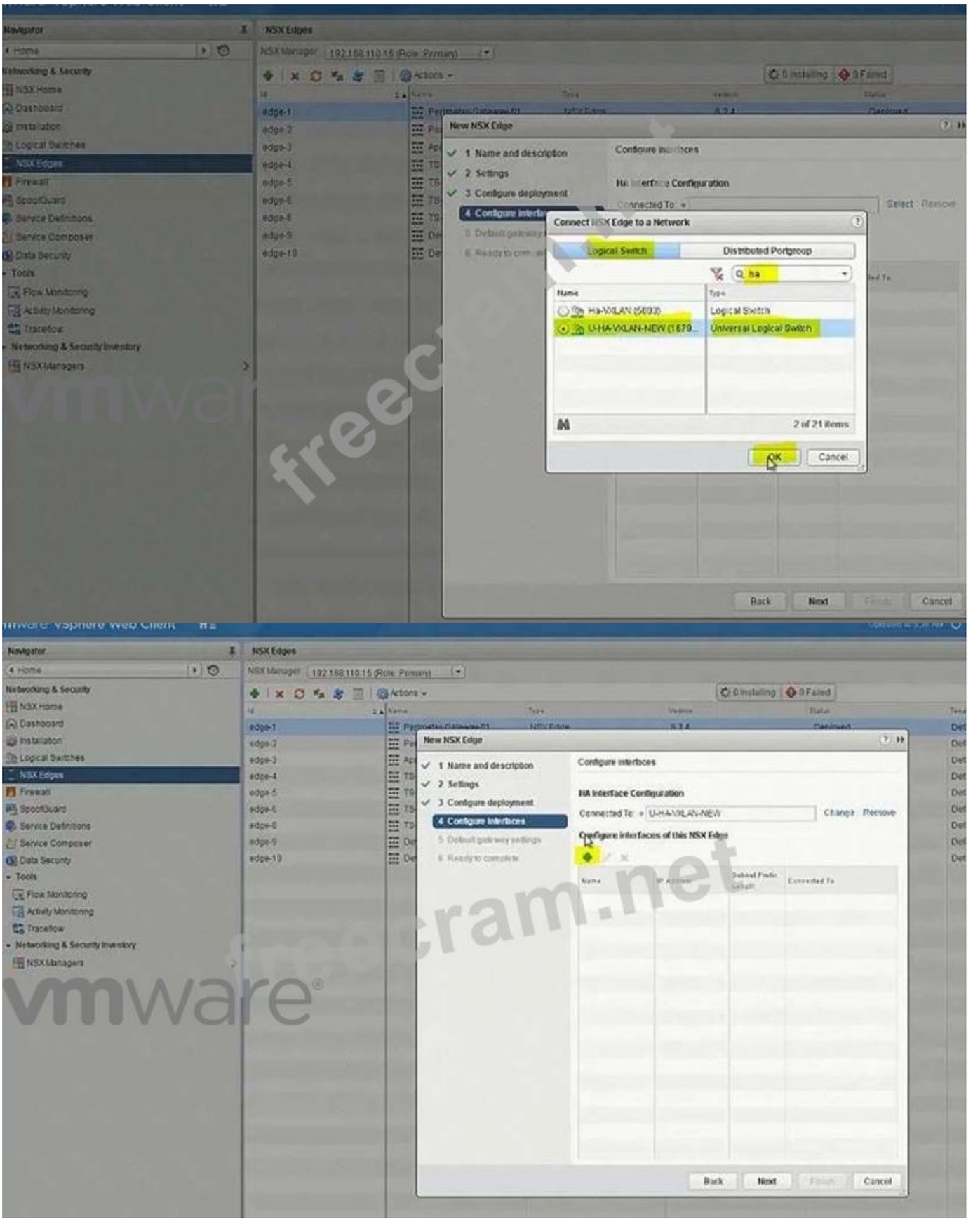


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vmware
freecram.net

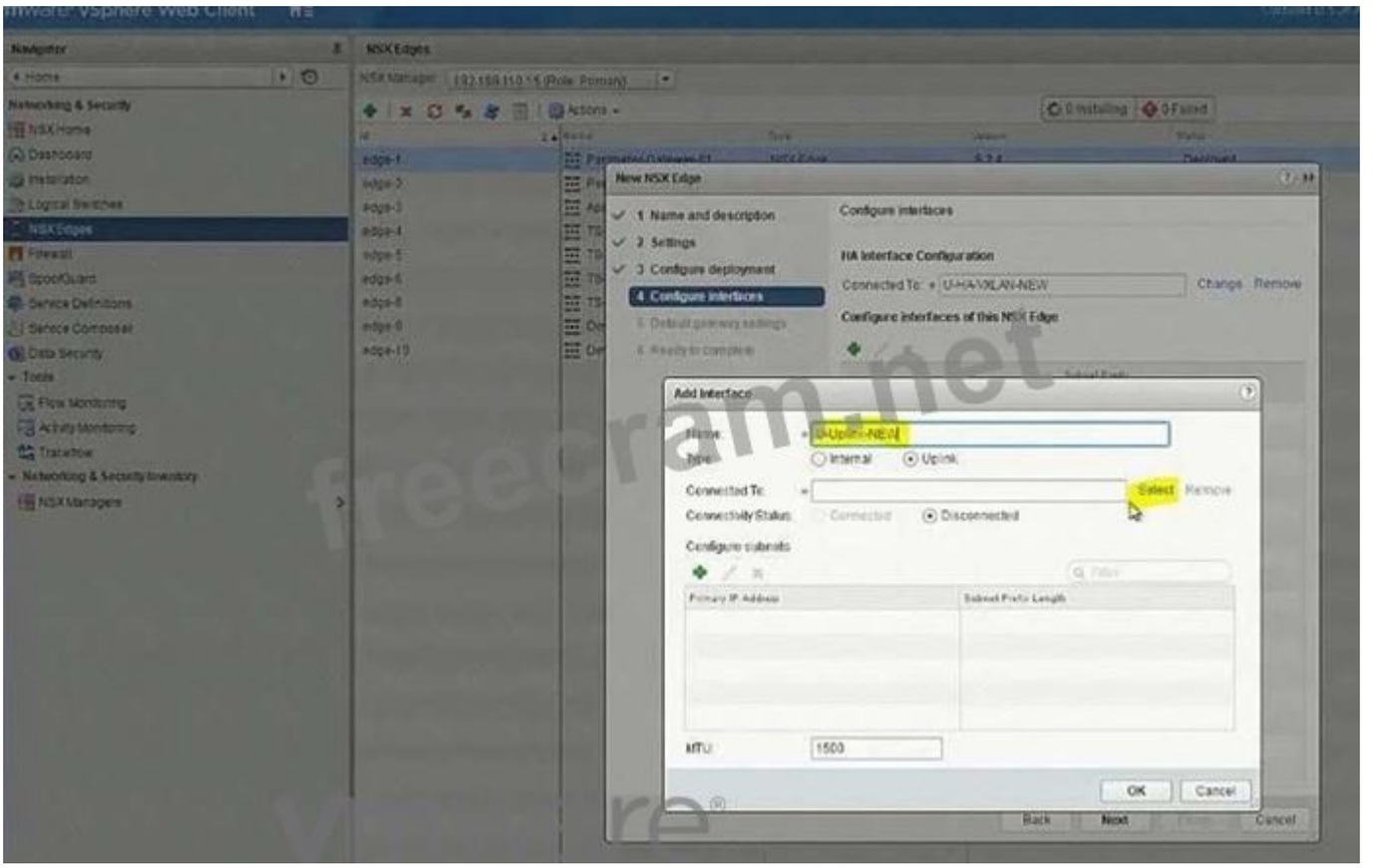


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vmware

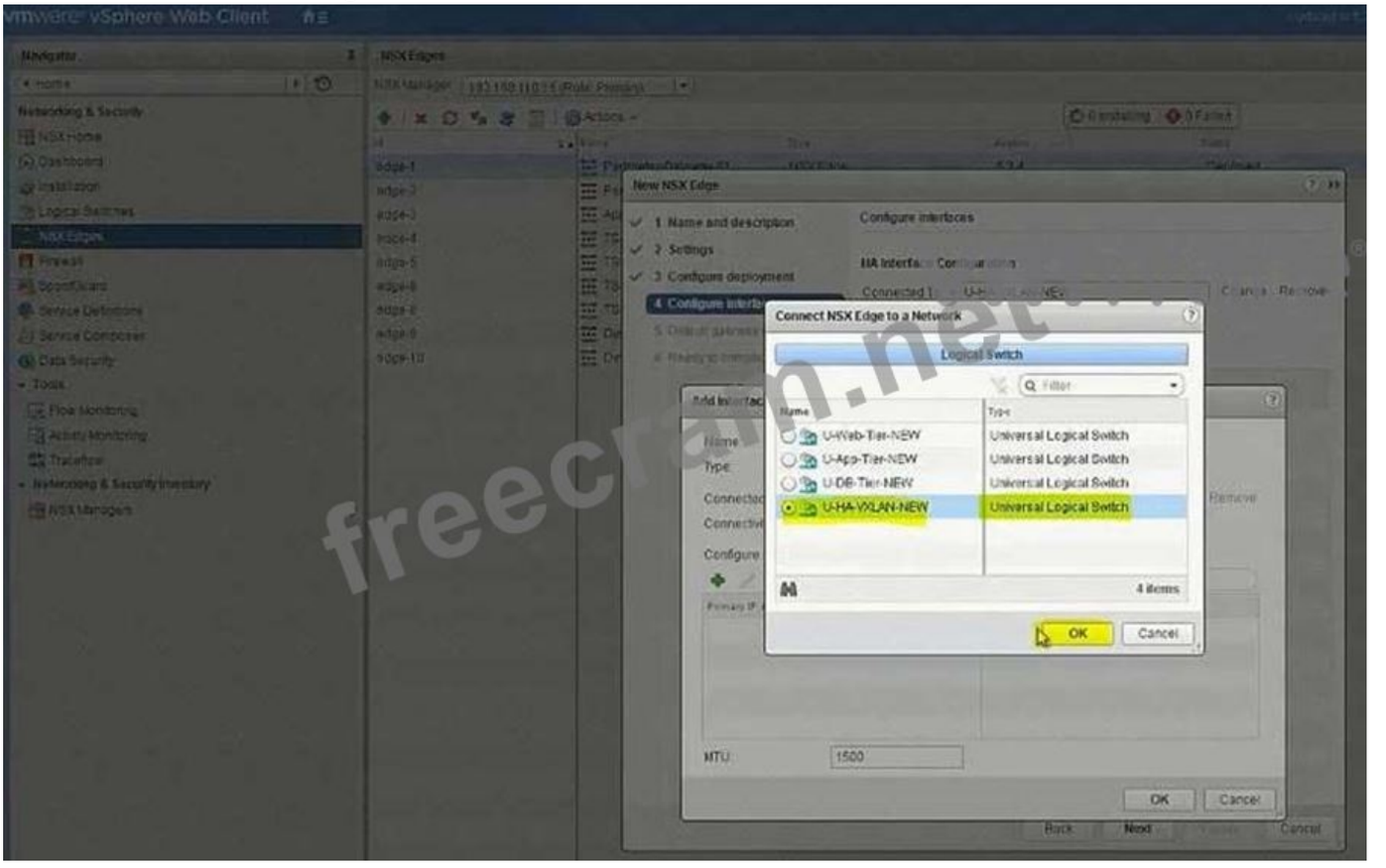

Navigator
NSX Edges
New NSX Edge
1 Name and description
2 Settings
3 Configure deployment
4 Configure interfaces
5 Default gateway settings
6 Ready to complete
Configure deployment
Datacenter:
DataCenter Site A
NSX Edge Appliances
Specifying a resource pool and datastore is mandatory for configuring the NSX Edge appliance. Appliance configuration is mandatory if you want to deploy NSX Edge Appliance.
Back
Next
Finish
Cancel
vmware vSphere Web Client
Configure interfaces
HA Interface Configuration
Configure interfaces of this NSX Edge

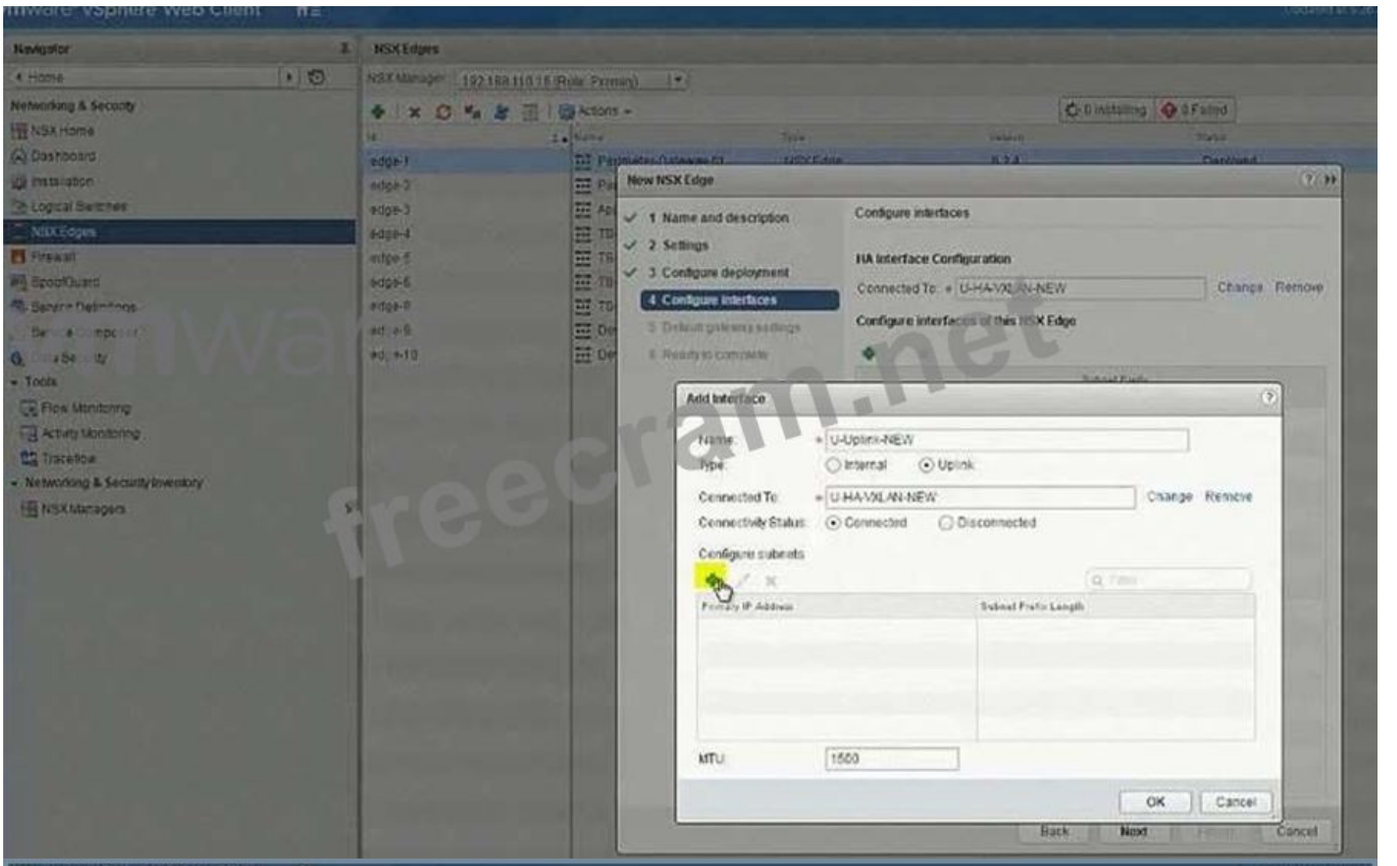


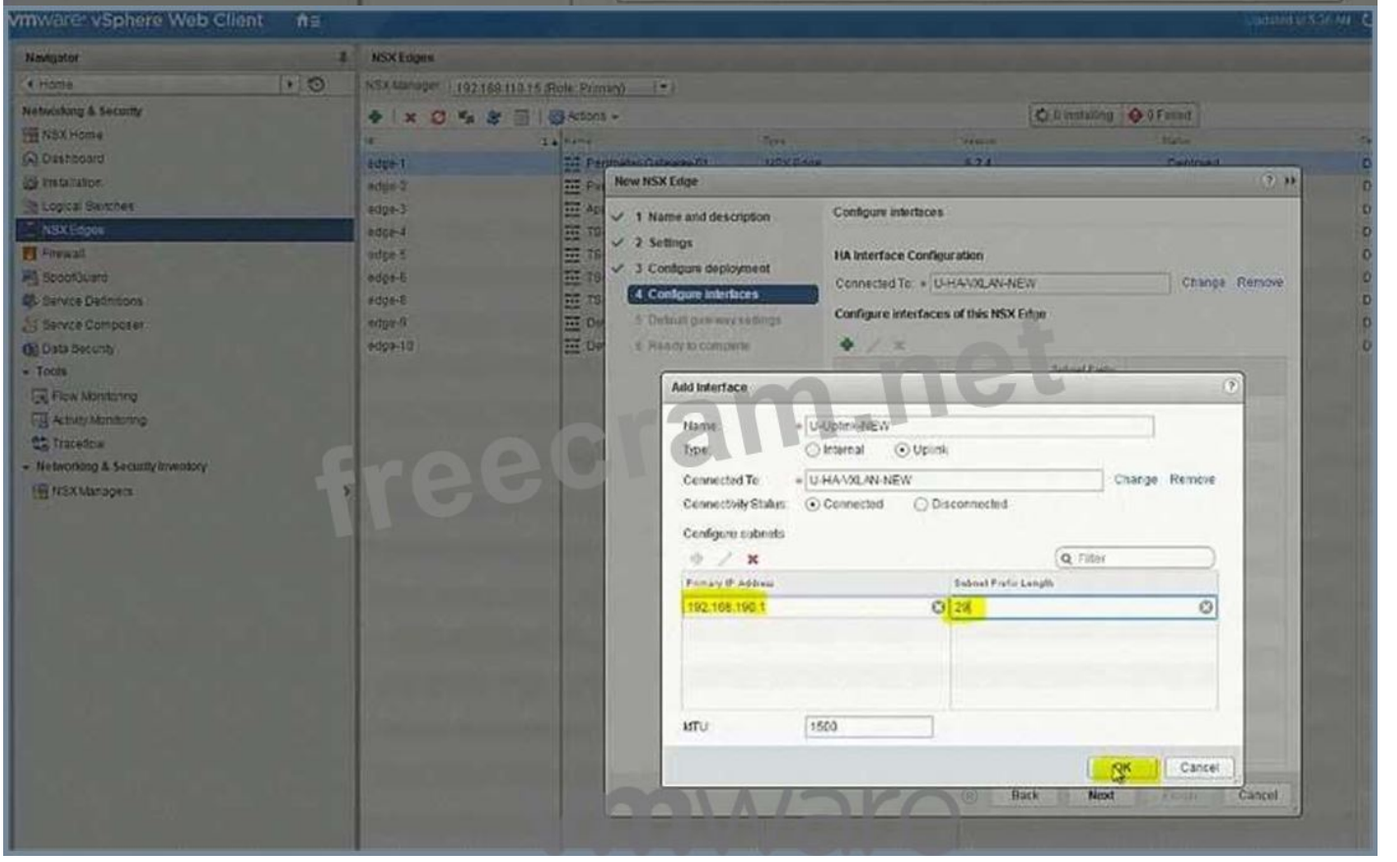
U-Uplink-NEW(U-Transit-NEW)

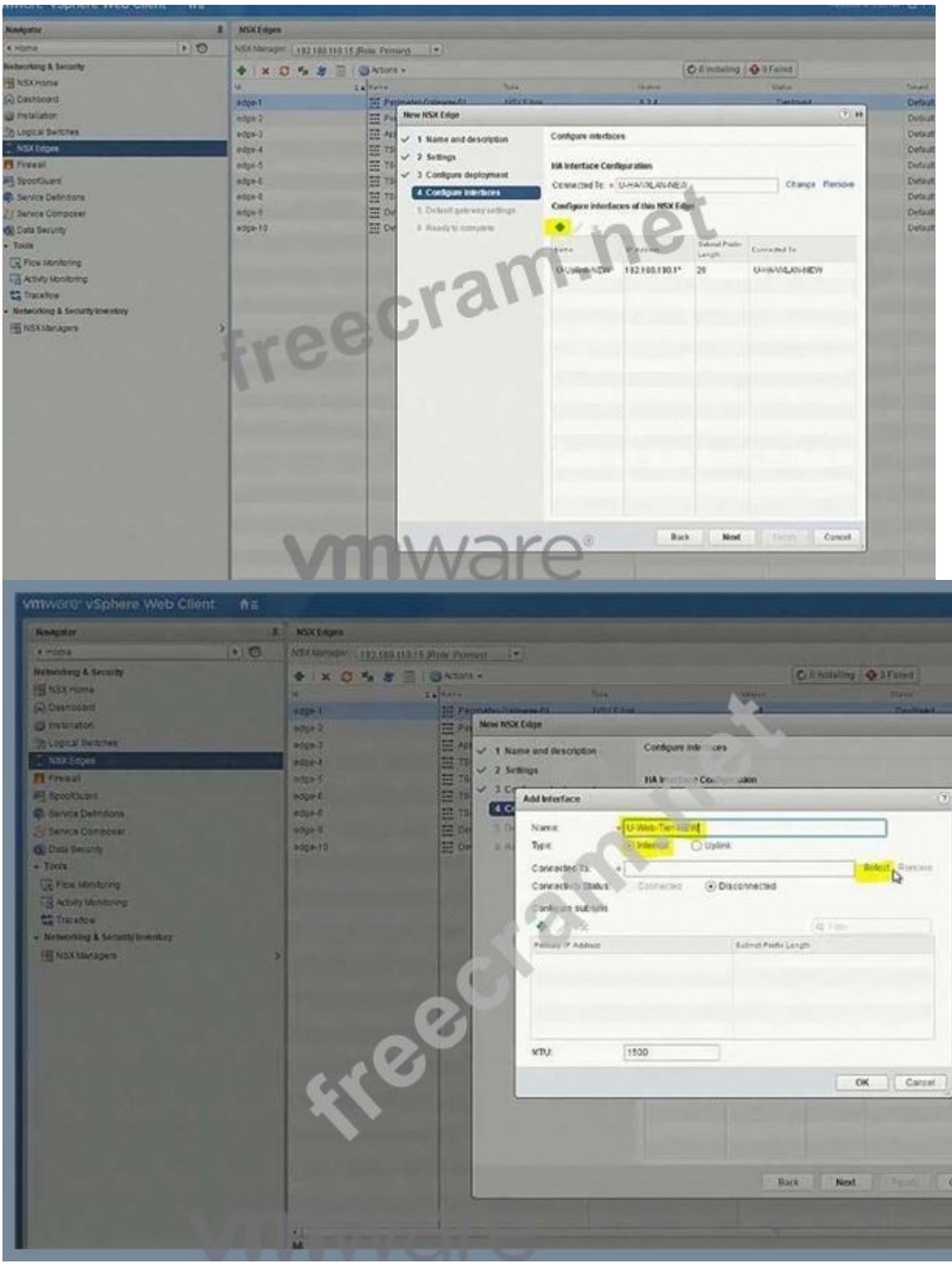


Select U-Transit-NEW logical swicth here

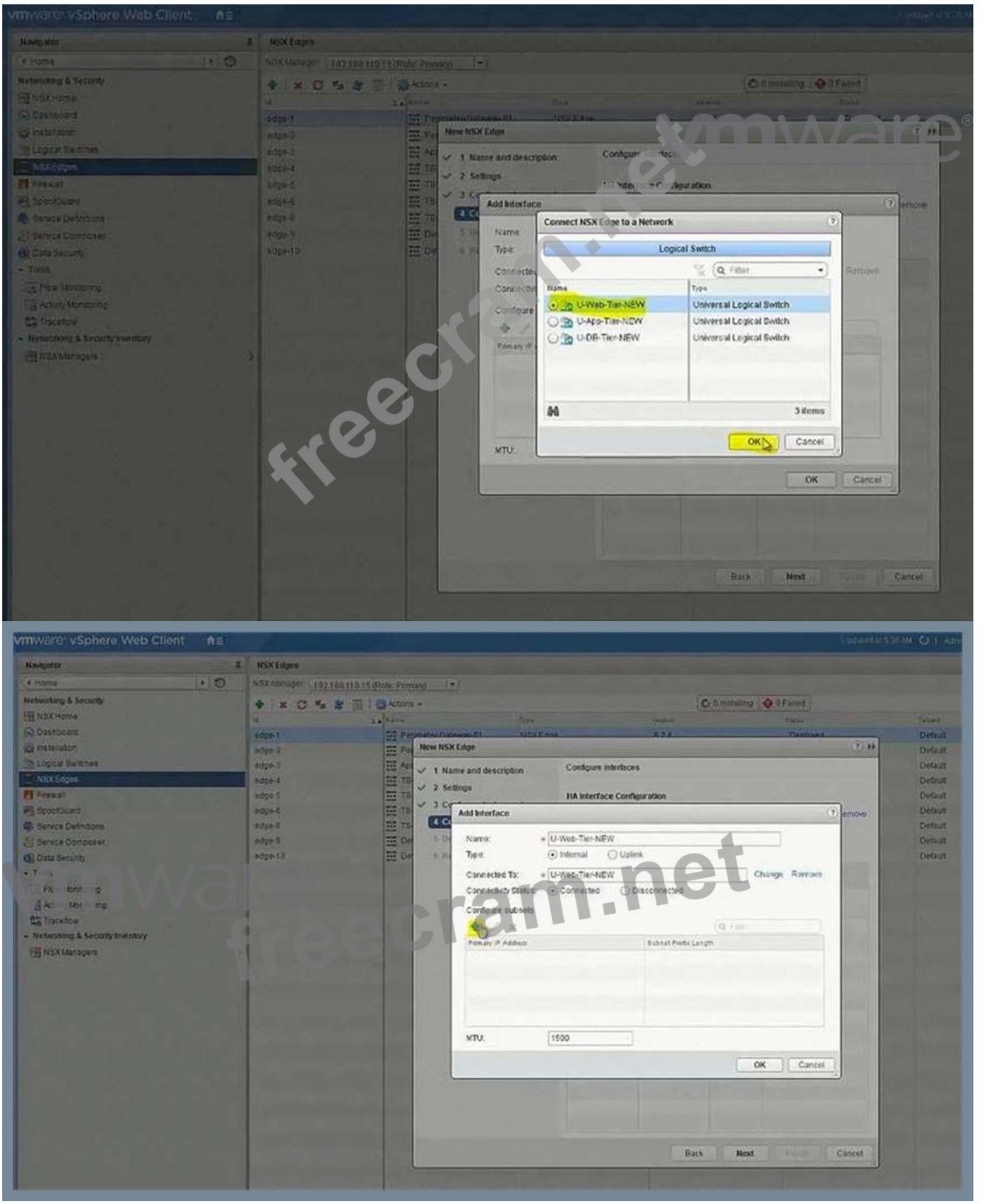



Navigator
NSX Edges
New NSX Edge
1 Name and description
2 Settings
3 Configure deployment
4 Configure interfaces
Configure interfaces
HA Interface Configuration
Connected To: U-HA-VXLAN-NEW
Change Remove
Configure interfaces of this NSX Edge
Add Interface
Name: U-Uplink-NEW
Type: Internal Uplink
Connected To: U-HA-VXLAN-NEW
Change Remove
Connectivity Status: Connected Disconnected
Configure subnets
Primary IP Address
Subnet Prefix Length
MTU: 1500
OK
Cancel
Back
Next
Cancel

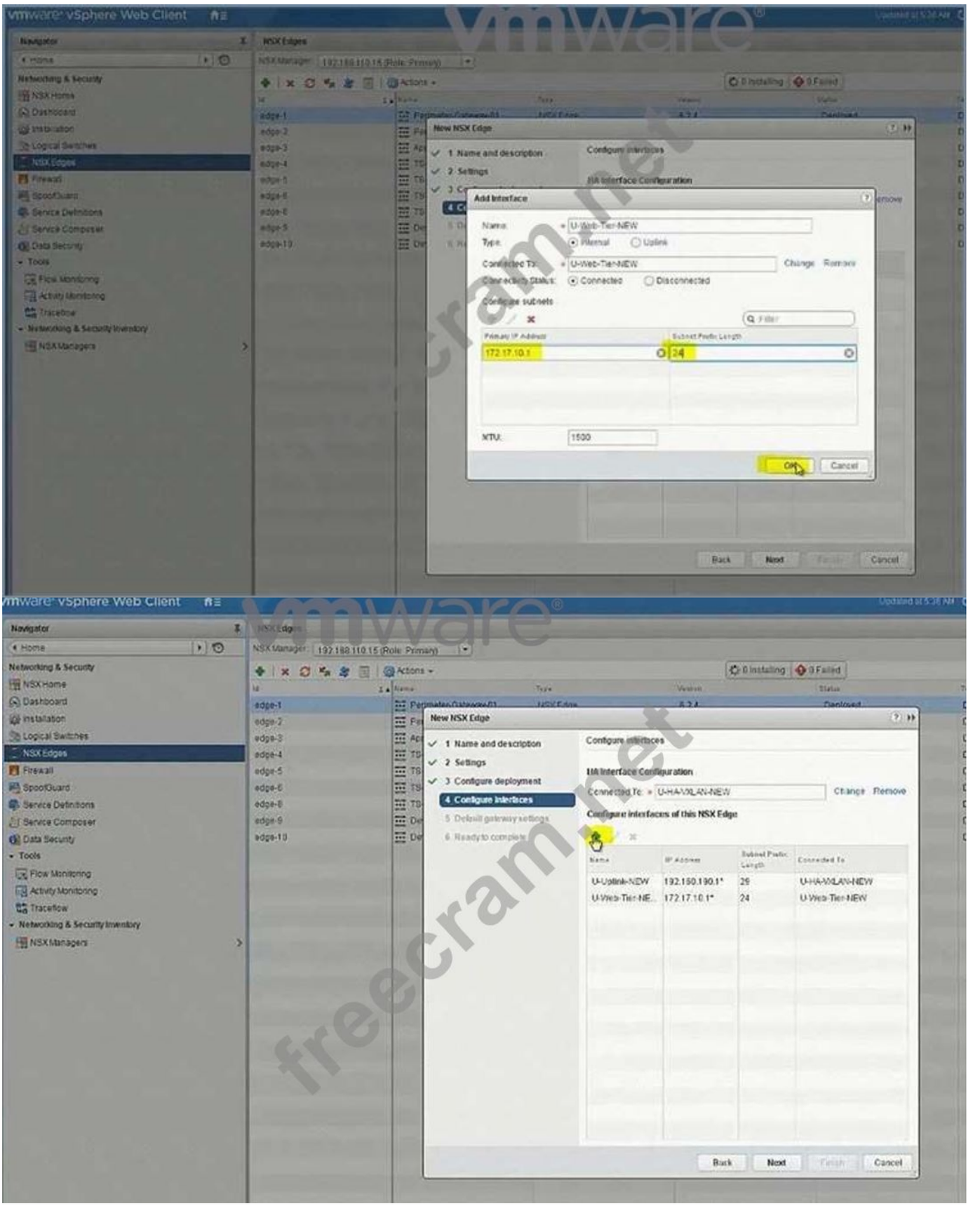

vmware vSphere Web Client
Navigator
NSX Edges
New NSX Edge
1 Name and description
2 Settings
3 Configure deployment
4 Configure interfaces
Configure interfaces
HA Interface Configuration
Connected To: U-HA-VXLAN-NEW
Change Remove
Configure interfaces of this NSX Edge
Add Interface
Name: U-Uplink-NEW
Type: Internal Uplink
Connected To: U-HA-VXLAN-NEW
Change Remove
Connectivity Status: Connected Disconnected
Configure subnets
Filter
Primary IP Address
Subnet Prefix Length
192.168.190.1
28
MTU: 1500
OK
Cancel
Back
Next
Cancel

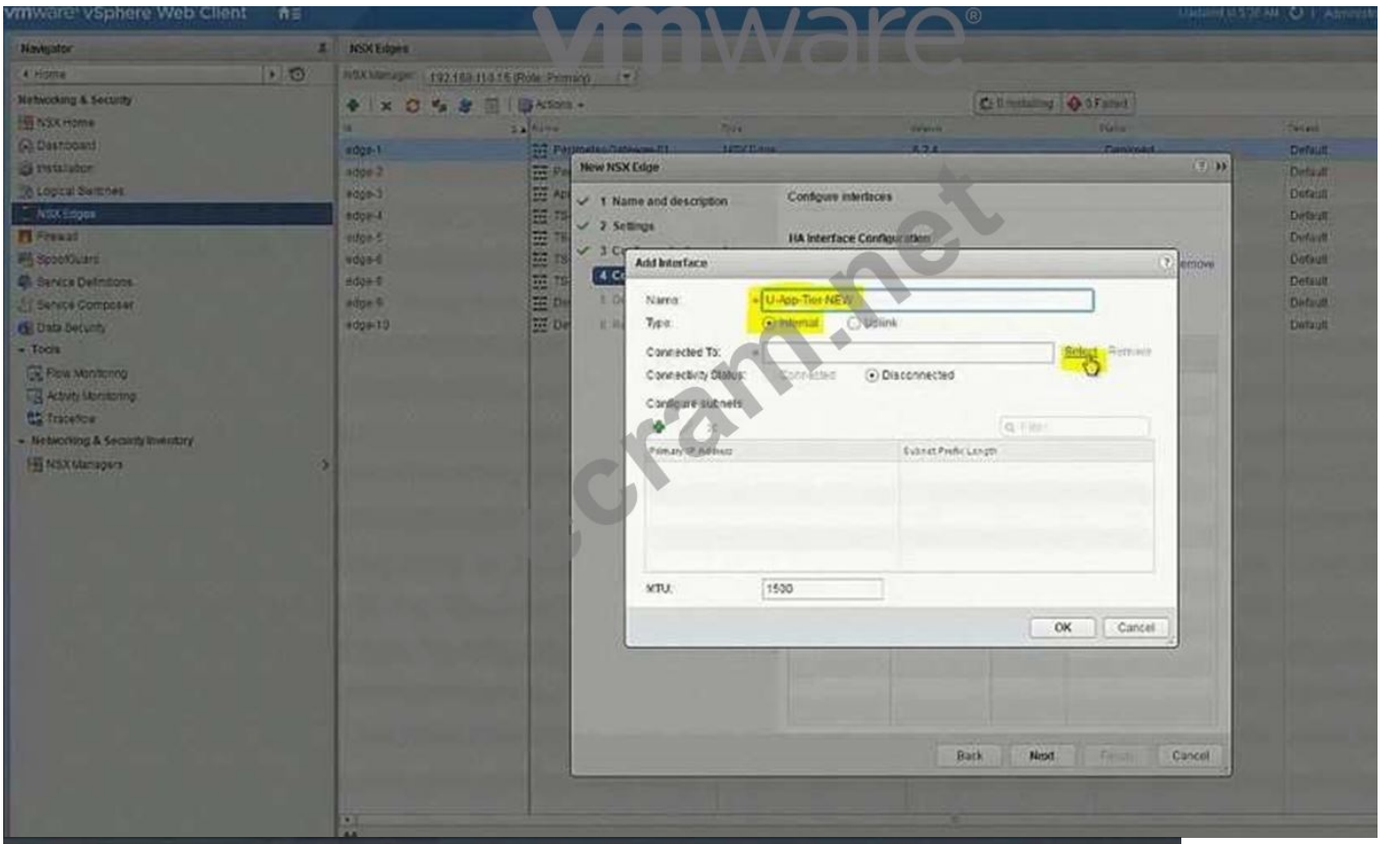


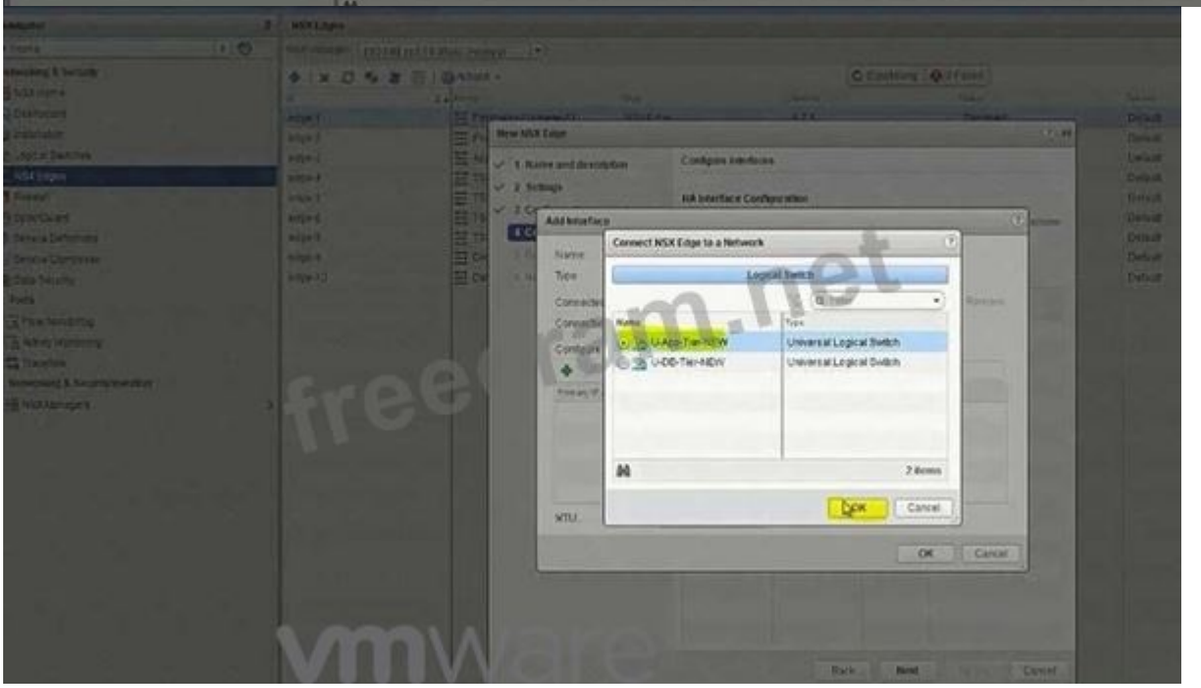
freecram.net

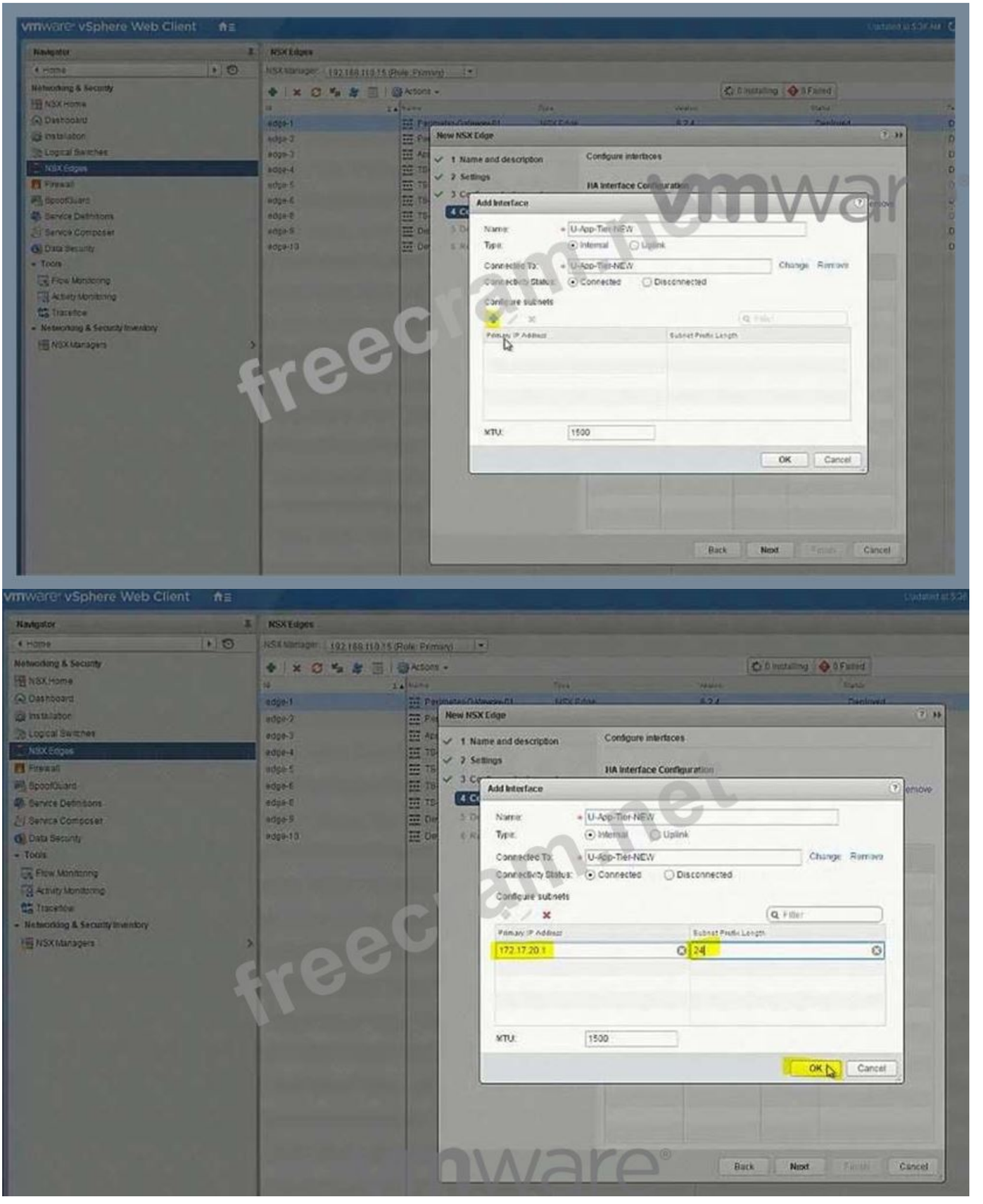

vmware vSphere Web Client
NSX Edges
New NSX Edge
1 Name and description
2 Settings
Add Interface
Connect NSX Edge to a Network
Logical Switch
U-Web-Tier-NEW
Universal Logical Switch
U-App-Tier-NEW
Universal Logical Switch
U-DB-Tier-NEW
Universal Logical Switch
3 items
OK
Cancel
MTU:
Back
Next

vmware vSphere Web Client
NSX Edges
New NSX Edge
1 Name and description
2 Settings
Configure interfaces
HA Interface Configuration
Add Interface
Name:
U-Web-Tier-NEW
Type:
Internal
Uplink
Connected To:
U-Web-Tier-NEW
Change
Remove
Connectivity Status:
Connected
Disconnected
Configure subnets
Primary IP Address
Subnet Prefix Length
MTU:
1500
OK
Cancel
Back
Next
Cancel

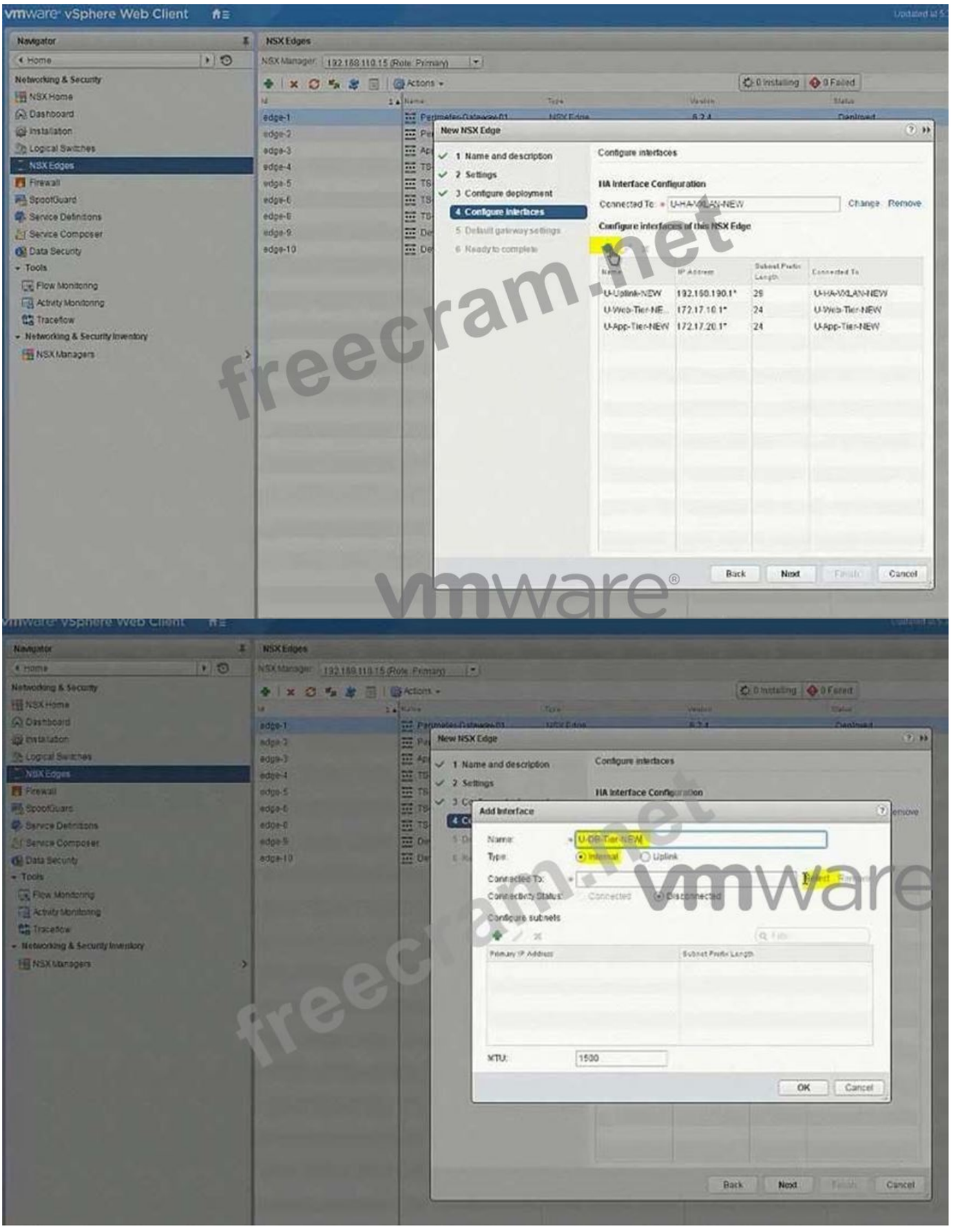

vmware vSphere Web Client
Navigator
Home
Networking & Security
NSX Home
Dashboard
Installation
Logical Switches
NSX Edges
Firewall
SpoofGuard
Service Definitions
Service Composer
Data Security
Tools
Flow Monitoring
Activity Monitoring
Traceflow
Networking & Security Inventory
NSX Managers
NSX Edges
NSX Manager: 192.168.110.15 (Role: Primary)
Actions
0 Installing
0 Failed
edge-1
edge-2
edge-3
edge-4
edge-5
edge-6
edge-8
edge-9
edge-10
New NSX Edge
1 Name and description
2 Settings
3 Configure deployment
4 Configure interfaces
5 Default gateway settings
6 Ready to complete
Configure interfaces
HA Interface Configuration
Connected To: U-HA-VXLAN-NEW
Change
Remove
Configure interfaces of this NSX Edge
Name
IP Address
Subnet Prefix Length
Connected To
U-Uplink-NEW
192.150.190.1*
26
U-HA-VXLAN-NEW
U-Web-Tier-NE...
172.17.10.1*
24
U-Web-Tier-NEW
Back
Next
Finish
Cancel
Add Interface
Name:
U-Web-Tier-NEW
Type:
Internal
Uplink
Connected To:
Connection Status:
Connected
Disconnected
Configure subnets
Primary IP Address
Subnet Prefix Length
172.17.10.1
24
MTU:
1500
OK
Cancel

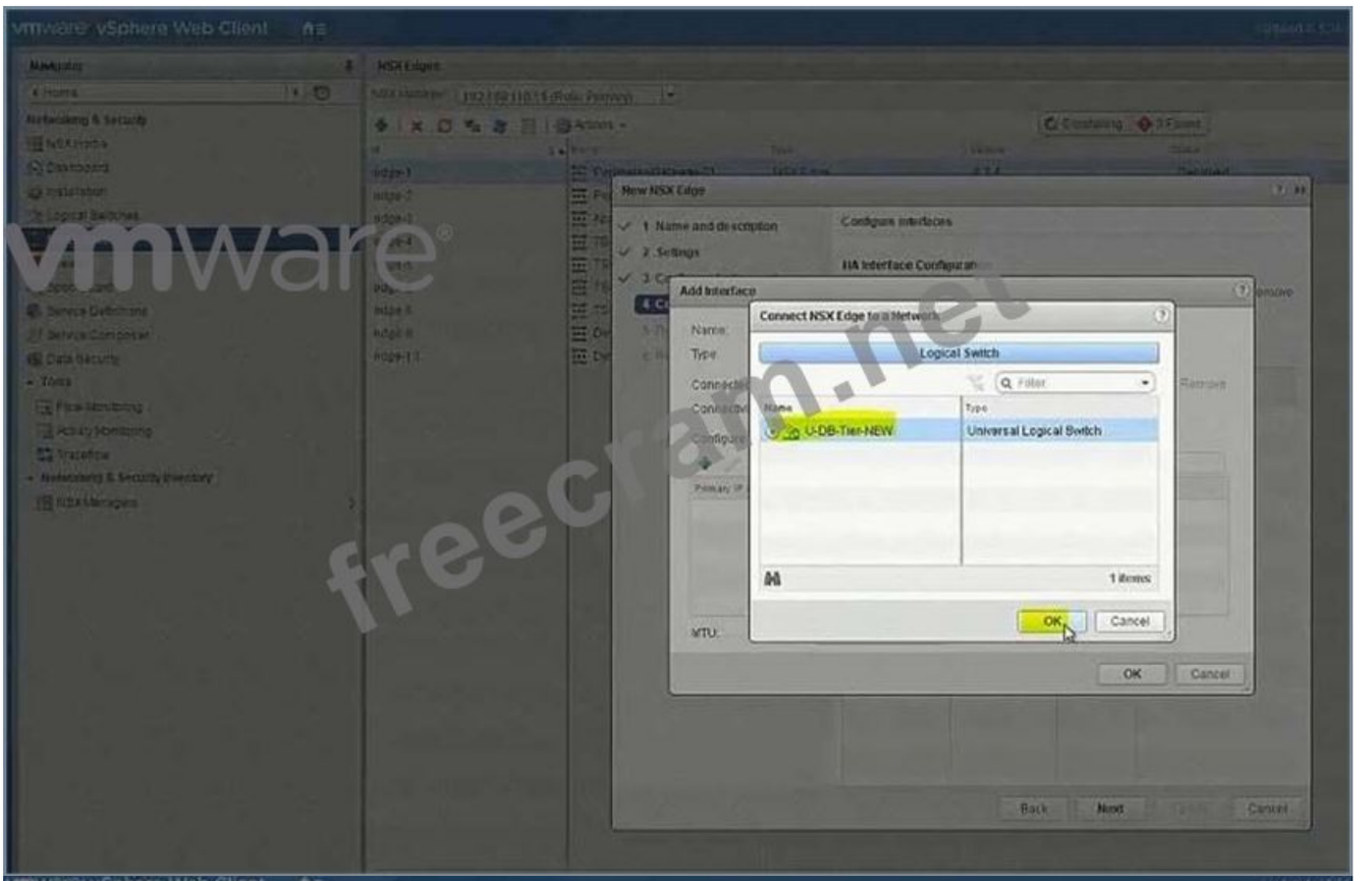

vmware vSphere Web Client
Navigator
NSX Edges
New NSX Edge
1 Name and description
2 Settings
Configure interfaces
HA Interface Configuration
Add Interface
Name:
U-App-Tier-NEW
Type:
Internal
Uplink
Connected To:
Select...
Connectivity Status:
Connected
Disconnected
Configure subnets
MTU:
1500
OK
Cancel
Back
Next
Finish
Cancel

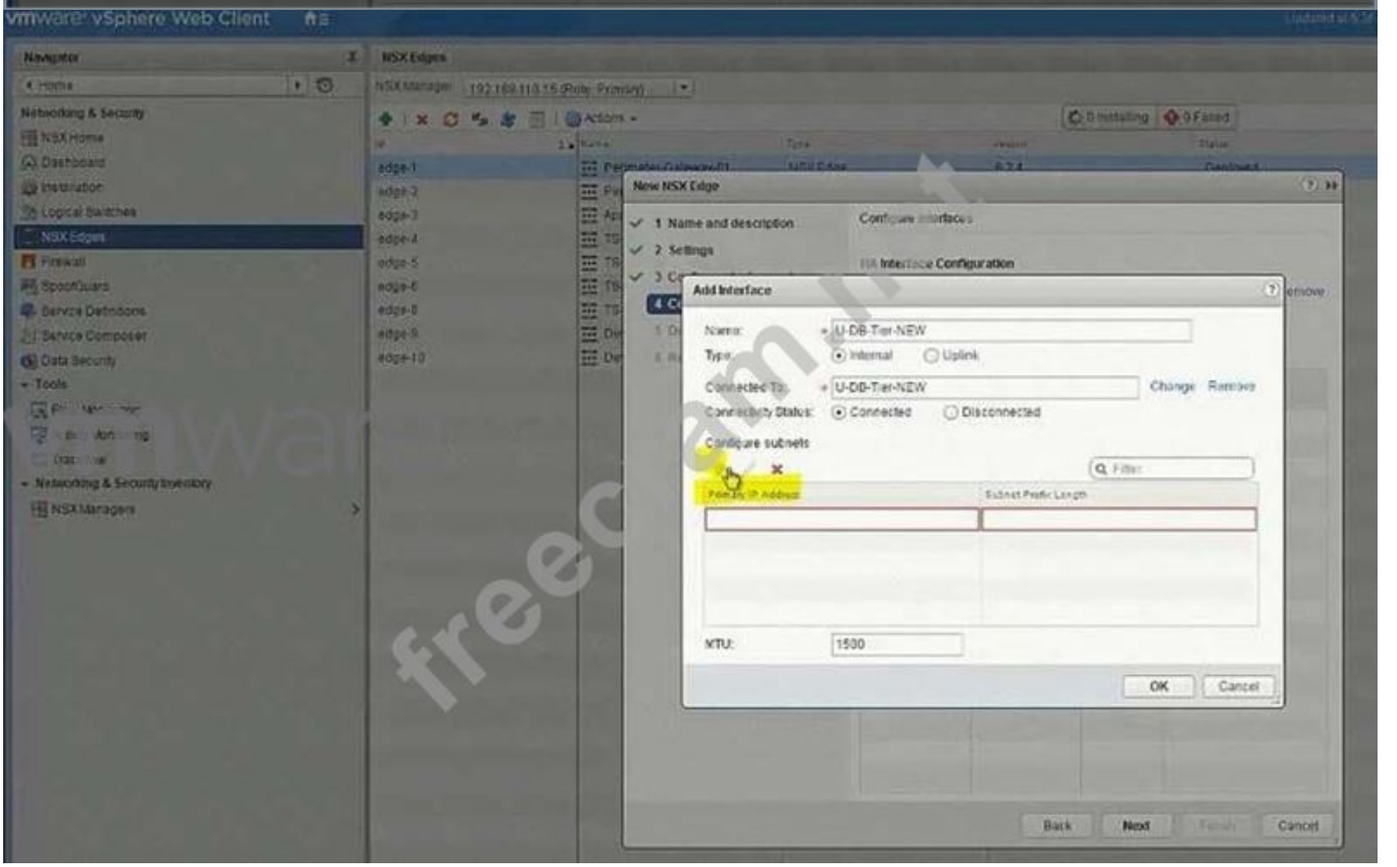

Connect NSX Edge to a Network
Logical Switch
U-App-Tier-NEW
Universal Logical Switch
U-DB-Tier-NEW
Universal Logical Switch
2 items
OK
Cancel


vmware vSphere Web Client
Navigator
NSX Edges
New NSX Edge
1 Name and description
2 Settings
3 Configure interfaces
HA Interface Configuration
Add Interface
Name: U-App-Tier-NEW
Type: Internal Uplink
Connected To: U-App-Tier-NEW
Change Remove
Connectivity Status: Connected Disconnected
Configure subnets
Primary IP Address
Subnet Prefix Length
MTU: 1500
OK Cancel
Back Next Finish Cancel

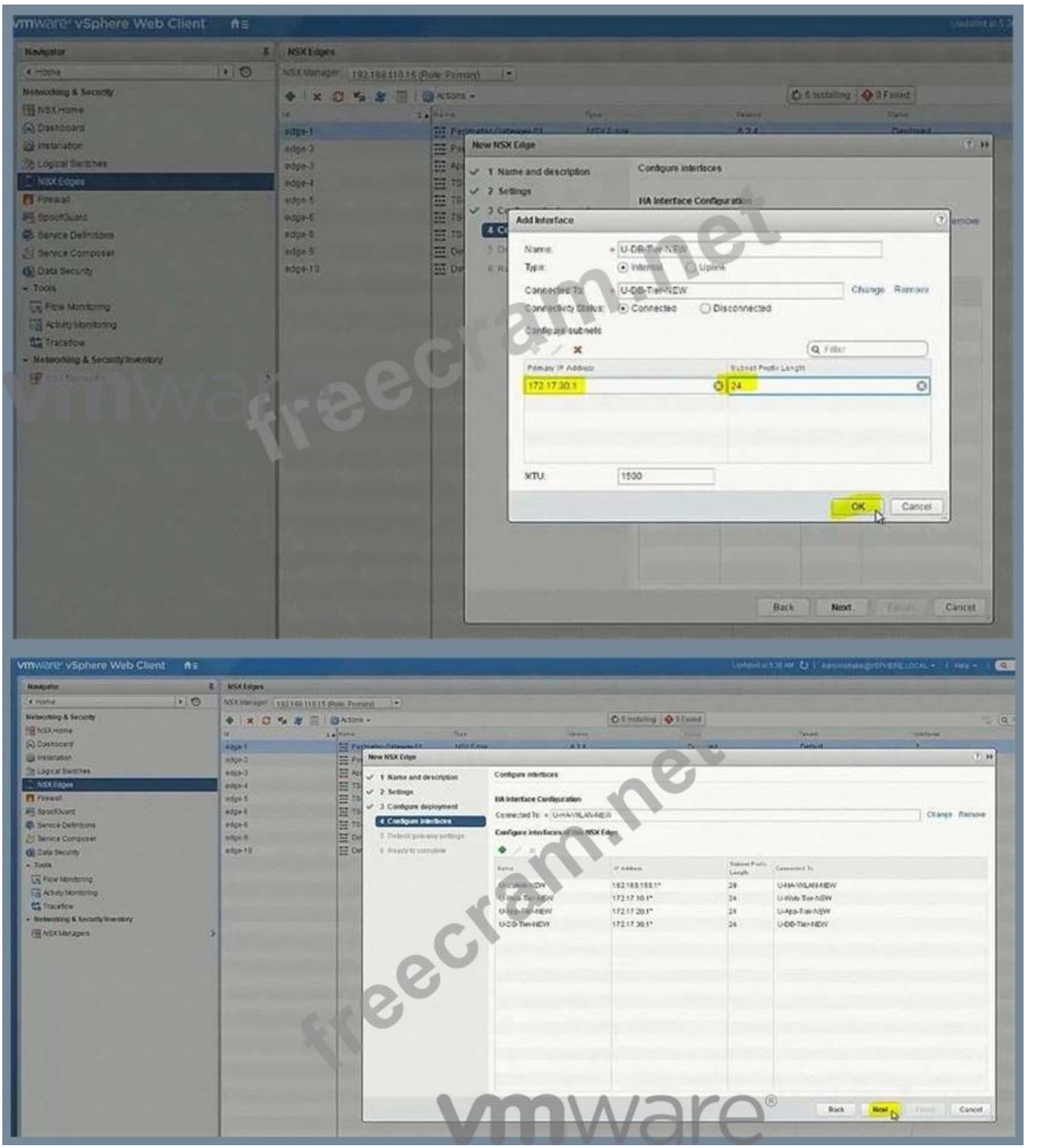
vmware vSphere Web Client
Navigator
NSX Edges
New NSX Edge
1 Name and description
2 Settings
3 Configure interfaces
HA Interface Configuration
Add Interface
Name: U-App-Tier-NEW
Type: Internal Uplink
Connected To: U-App-Tier-NEW
Change Remove
Connectivity Status: Connected Disconnected
Configure subnets
Primary IP Address
Subnet Prefix Length
172.17.20.1
24
MTU: 1500
OK Cancel
Back Next Finish Cancel


vmware vSphere Web Client
Navigator
Home
Networking & Security
NSX Home
Dashboard
Installation
Logical Switches
NSX Edges
Firewall
SpoofGuard
Service Definitions
Service Composer
Data Security
Tools
Flow Monitoring
Activity Monitoring
Traceflow
Networking & Security Inventory
NSX Managers
NSX Edges
NSX Manager: 192.168.110.15 (Role: Primary)
Actions
0 Installing
0 Failed
edge-1
edge-2
edge-3
edge-4
edge-5
edge-6
edge-8
edge-9
edge-10
New NSX Edge
1 Name and description
2 Settings
3 Configure deployment
4 Configure interfaces
5 Default gateway settings
6 Ready to complete
Configure interfaces
HA Interface Configuration
Connected To
Change
Remove
Configure interfaces of this NSX Edge
Name
IP Address
Subnet Prefix Length
Connected To
U-Uplink-NEW
192.168.190.1*
29
U-HA-VXLAN-NEW
U-Web-Tier-NE...
172.17.10.1*
24
U-Web-Tier-NEW
U-App-Tier-NEW
172.17.20.1*
24
U-App-Tier-NEW
Back
Next
Finish
Cancel
Add Interface
Name:
U-DB-Tier-NEW
Type:
Internal
Uplink
Connected To:
Connectivity Status:
Connected
Disconnected
Configure subnets
Primary IP Address
Subnet Prefix Length
MTU:
1500
OK
Cancel
freecram.net
vmware

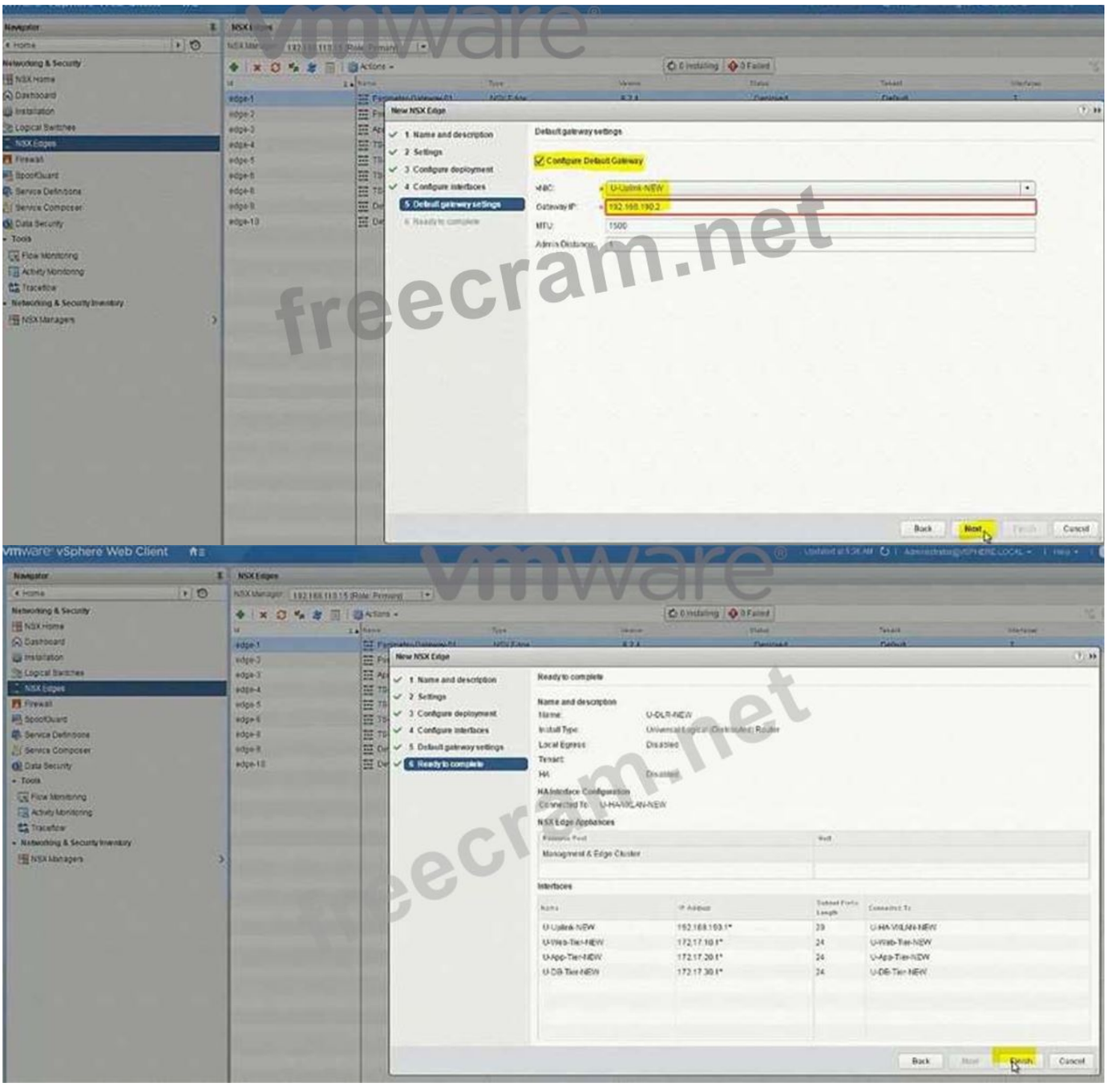




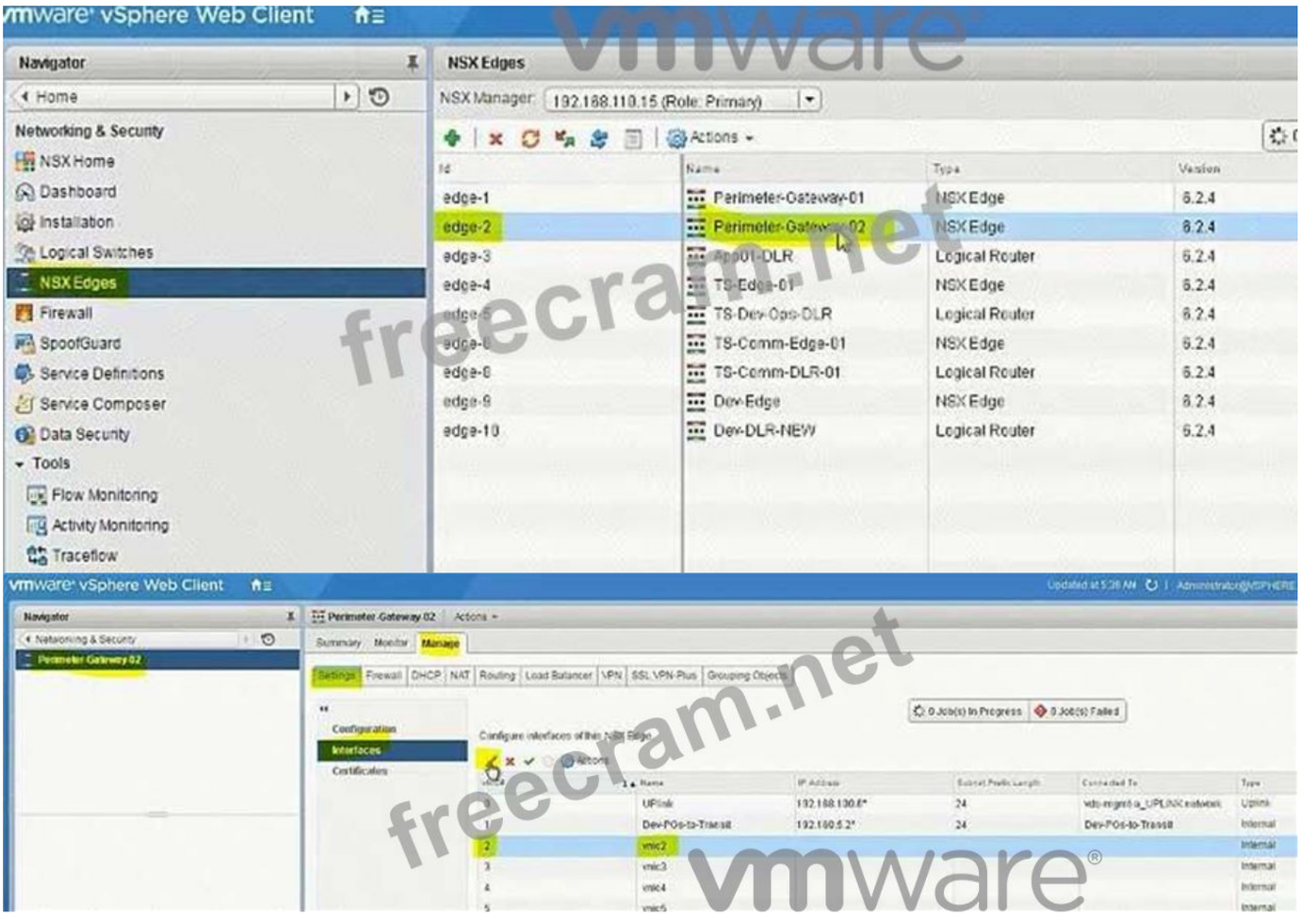
vmware
freecram.net



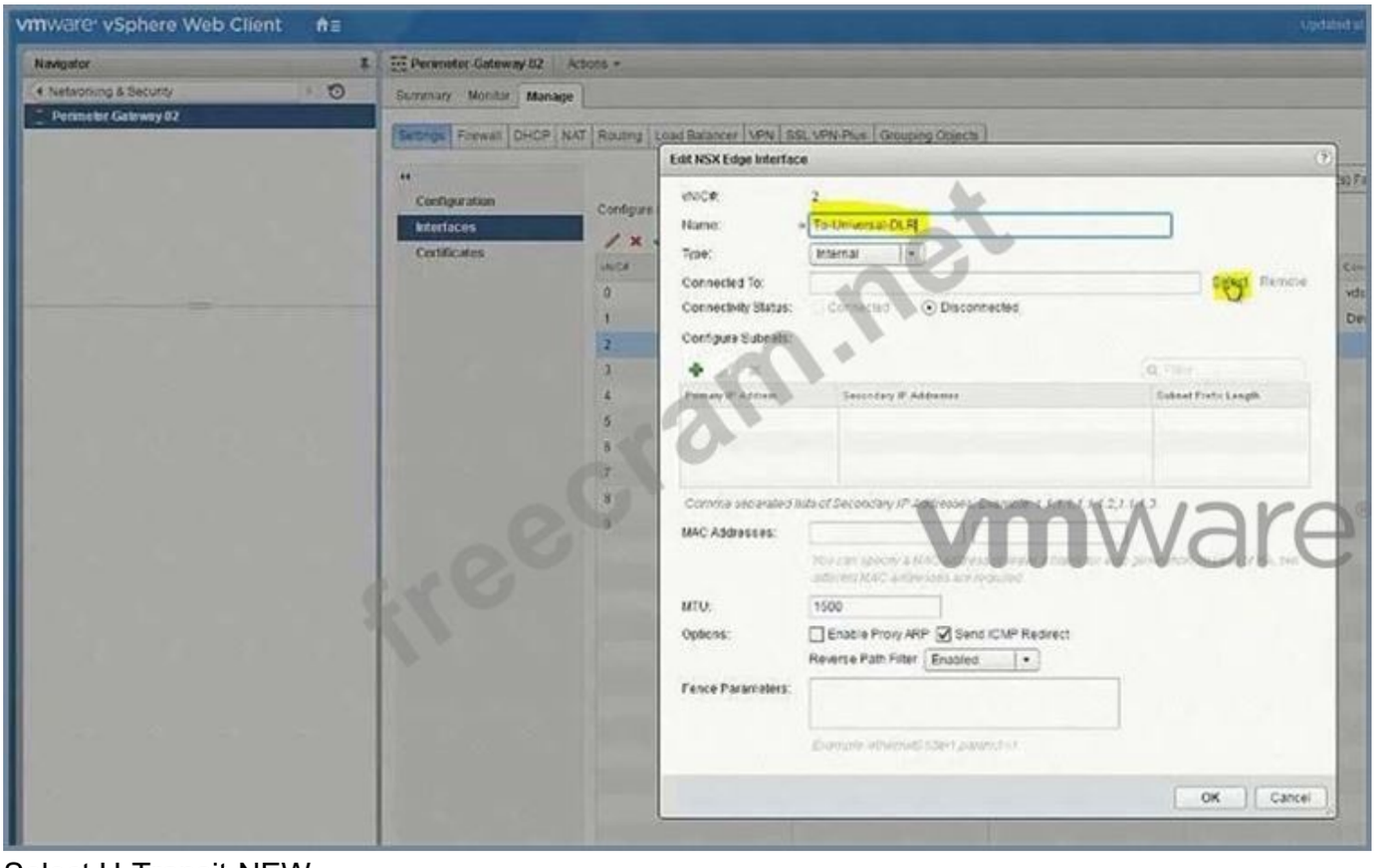
freecram.net
vmware



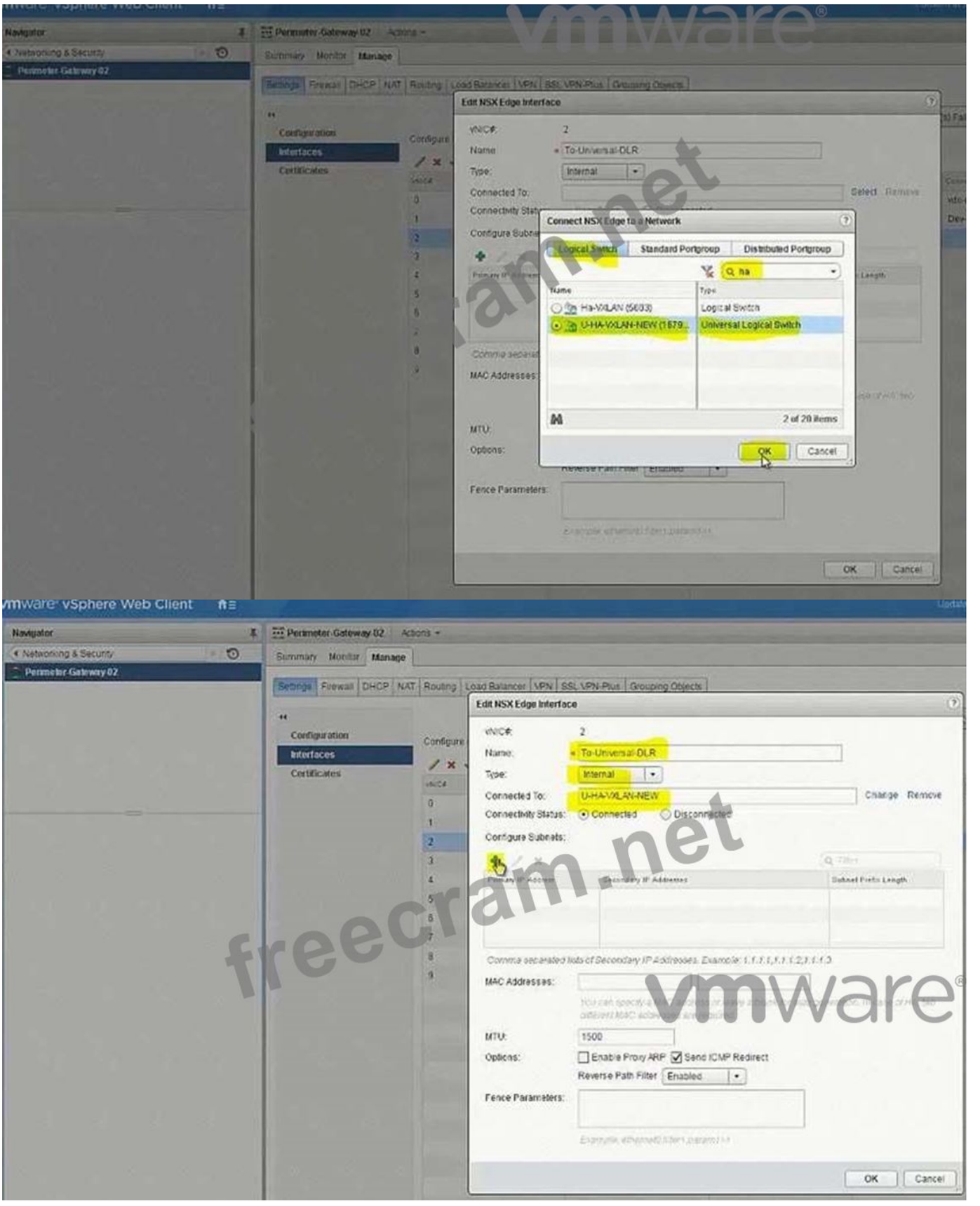
Perimeter-Gateway-02



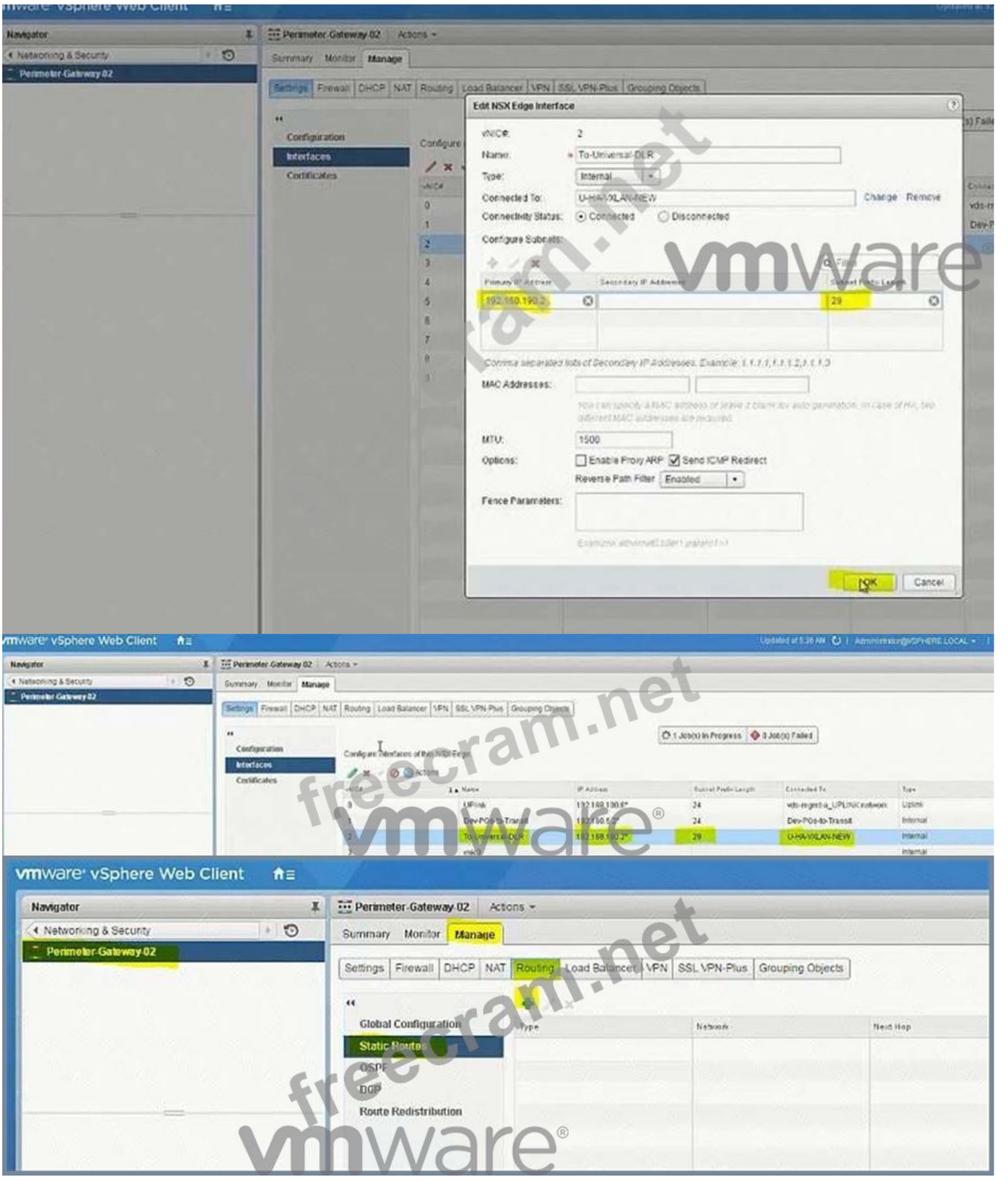
To-Universal-DLR

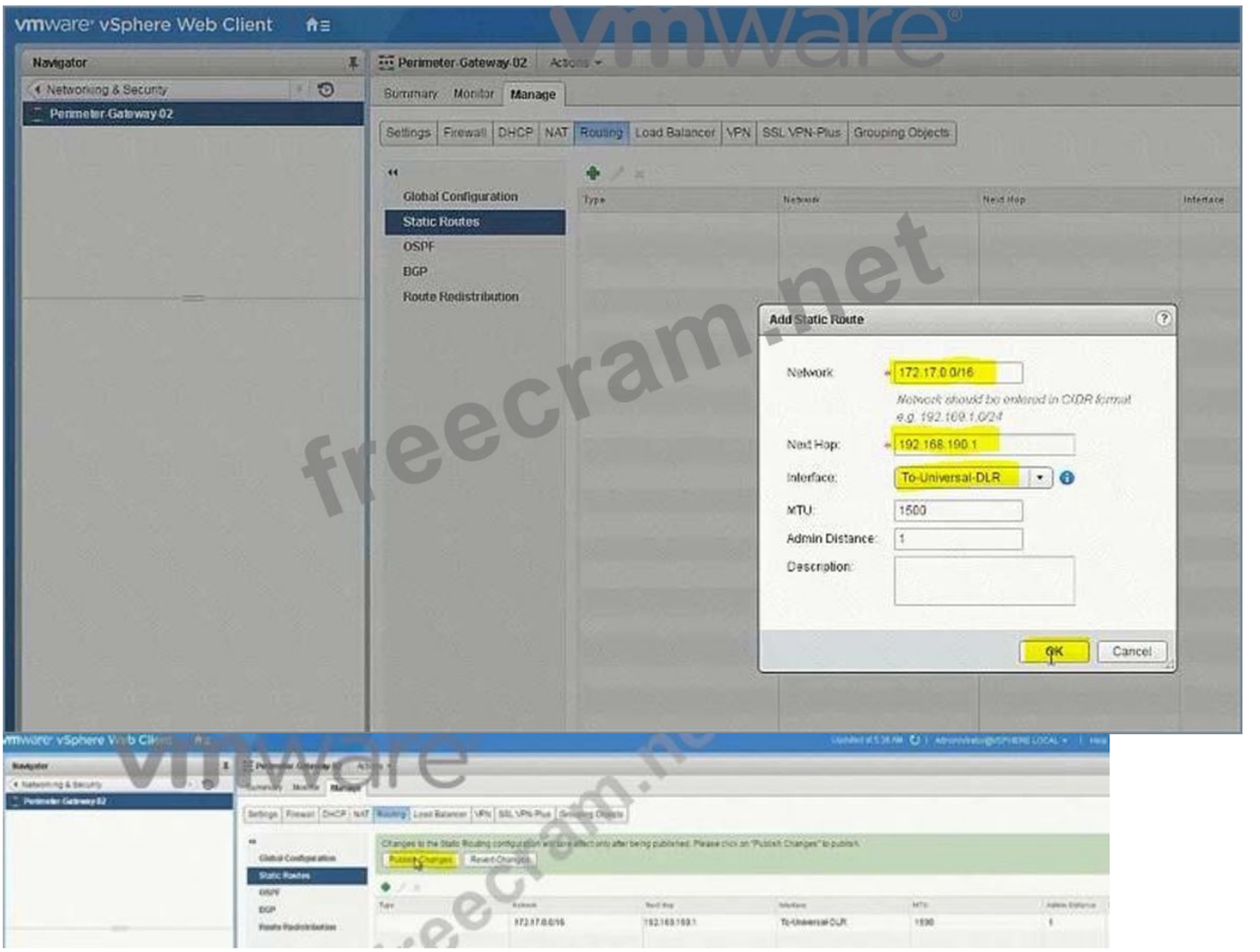


Select U-Transit-NEW



freecram.net

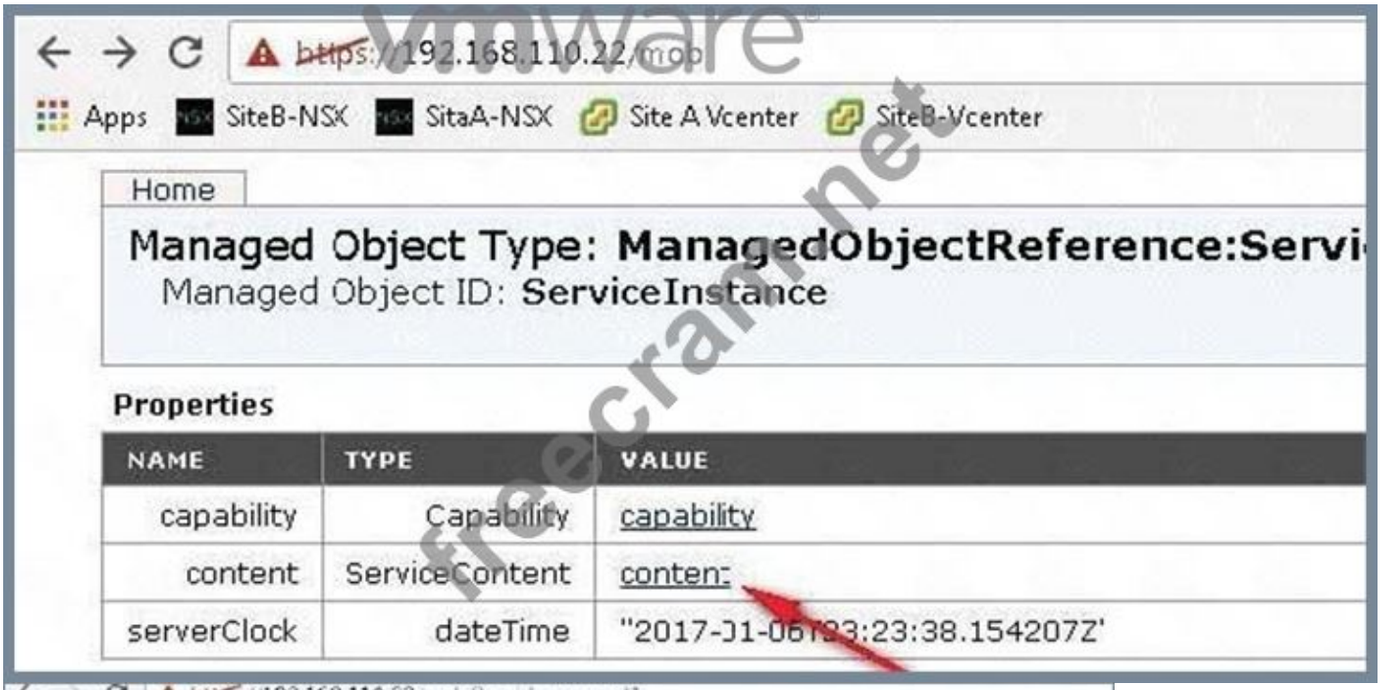

vmware vSphere Web Client
Navigator
Networking & Security
Perimeter Gateway 02
Actions
Summary
Monitor
Manage
Settings
Firewall
DHCP
NAT
Routing
Load Balancer
VPN
SSL VPN-Plus
Grouping Objects
Configuration
Interfaces
Certificates
Edit NSX Edge Interface
vNIC#:
Name:
To-Universal-DLR
Type:
Internal
Connected To:
Change
Remove
Connectivity Status:
Connected
Disconnected
Configure Subnets:
192.168.100.2
29
MAC Addresses:
MTU:
1500
Options:
Enable Proxy ARP
Send ICMP Redirect
Reverse Path Filter
Enabled
Fence Parameters:
OK
Cancel
Global Configuration
Static Routes
OSPF
BGP
Route Redistribution
Type
Network
Next Hop
freecram.net

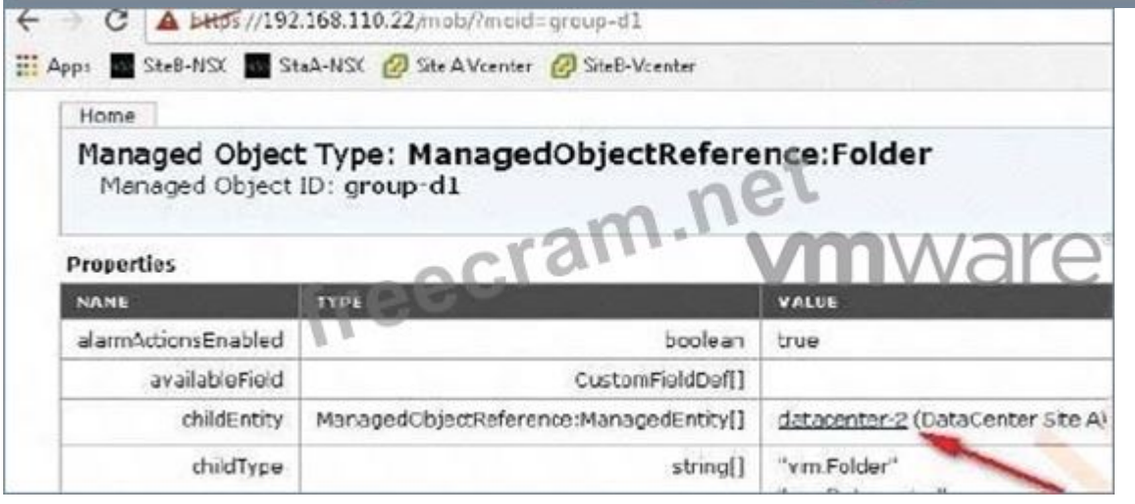


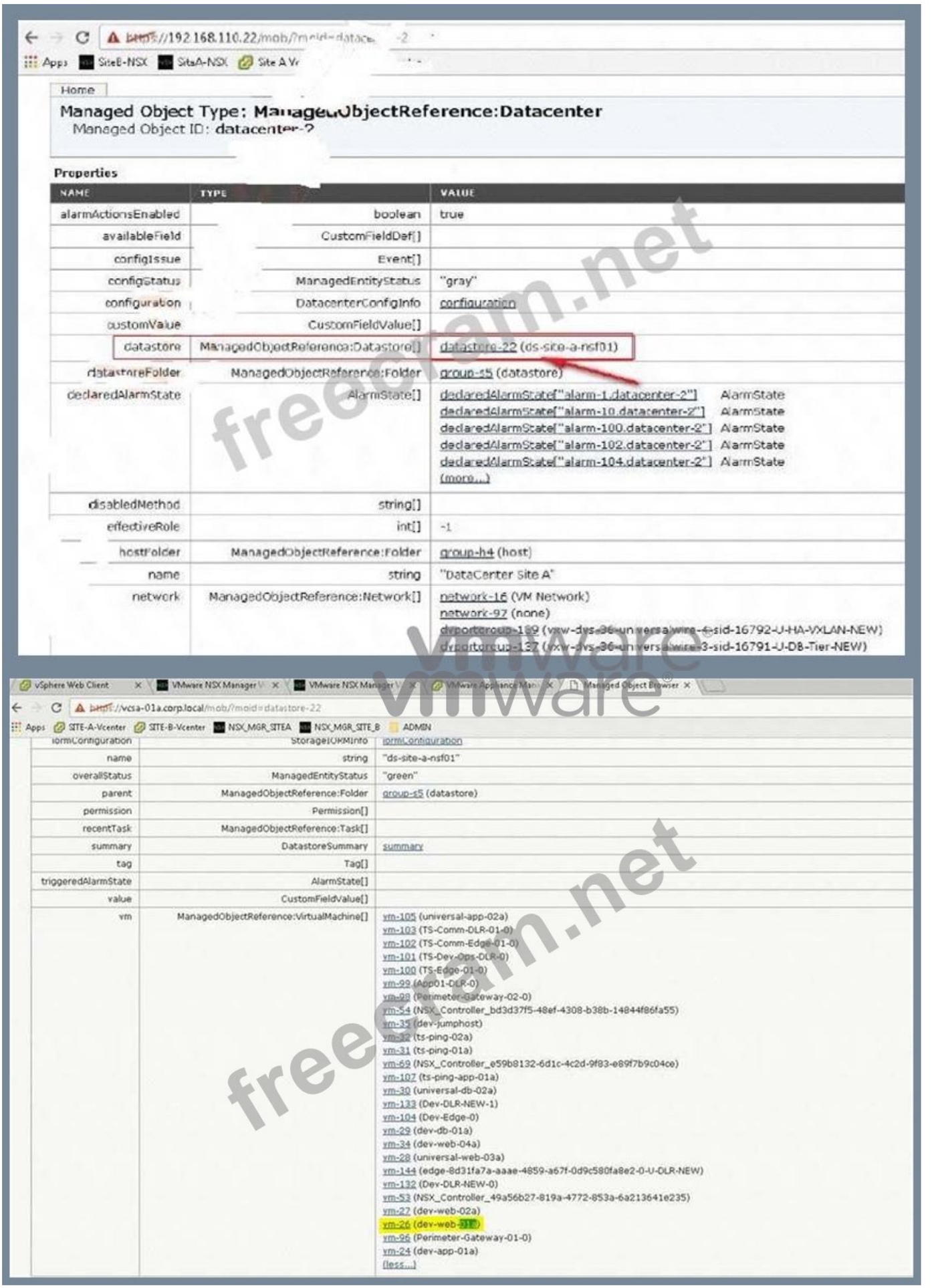
172.17.0.0/16
192.168.190.1
To-Universal-DLR

NEW QUESTION: 6
You have been tasked with modifying an existing NSX API call to capture flow information for an organization. The existing API call is located on the ControlCenter desktop in a file name flowapi.txt.
The API call should be modified to collect Layer3 flow statistics between the dev-web-01a and the ControlCenter virtual machine.
Requirements:
vCenter: vcsa01a.corp.local
Credential: administrator@vsphere.local / VMware1!
File location: flowapi.txt on the desktop of ControlCenter.
Modify and Save the existing API call to capture the requested information.
A REST Client has been added to Chrome and Firefox for this exercise.
Output the Response Body to a text file called apiresults.txt on the desktop of ControlCenter.
**********flowapi.txt**********

https://<nsxmgr-ip>/api/2.1/app/flow/flowstats?
contextId=datacenter-21&flowType=TCP_UDP&startTime
=0&endTime=
https://192.168.110.15/api/2.1/app/flow/flowstats?
contextId=vm-26&flowType=Layer3&startTime=0&endT ime=1320917094000&
**********flowapi.txt**********
HOL LAB for Practice:
See the explanation part for complete solution.
Answer:
SOLUTION:
Access the MOB by entering the following URL
https://vcsa-01a.corp.local/mob
administrator@vsphere.local
VMware1!







Home

Managed Object Type: ManagedObjectReference:Datacenter
Managed Object ID: datacenter-2

Properties

NAME	TYPE	VALUE
alarmActionsEnabled	boolean	true
availableField	CustomFieldDef[]	
configIssue	Event[]	
configStatus	ManagedEntityStatus	"gray"
configuration	DatacenterConfigInfo	configuration
customValue	CustomFieldValue[]	
datastore	ManagedObjectReference:Datastore[]	datastore-22 (ds-site-a-nsf01)
datastoreFolder	ManagedObjectReference:Folder	group-s5 (datastore)
declaredAlarmState	AlarmState[]	declaredAlarmState["alarm-1.datacenter-2"] AlarmState declaredAlarmState["alarm-10.datacenter-2"] AlarmState declaredAlarmState["alarm-100.datacenter-2"] AlarmState declaredAlarmState["alarm-102.datacenter-2"] AlarmState declaredAlarmState["alarm-104.datacenter-2"] AlarmState (more...)
disabledMethod	string[]	
effectiveRole	int[]	-1
hostFolder	ManagedObjectReference:Folder	group-h4 (host)
name	string	"DataCenter Site A"
network	ManagedObjectReference:Network[]	network-16 (VM Network) network-97 (none) dvportgroup-189 (vxw-dvs-36-universalwire-4-sid-16792-U-HA-VXLAN-NEW) dvportgroup-137 (vxw-dvs-36-universalwire-3-sid-16791-U-DB-Tier-NEW)

vSphere Web Client | VMware NSX Manager | VMware NSX Manager | VMware Appliance Man | Managed Object Browser

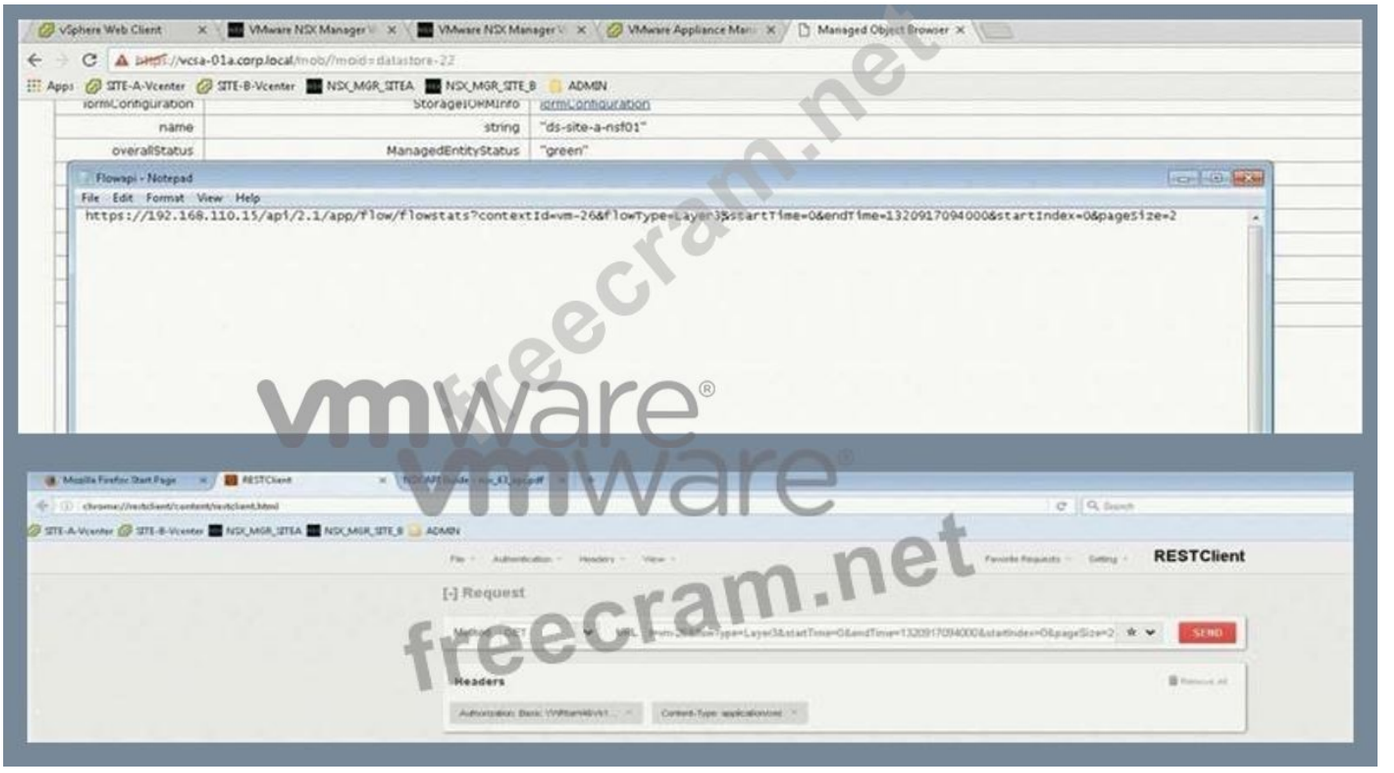
https://vcsa-01a.corp.local/mob/?moid=datastore-22

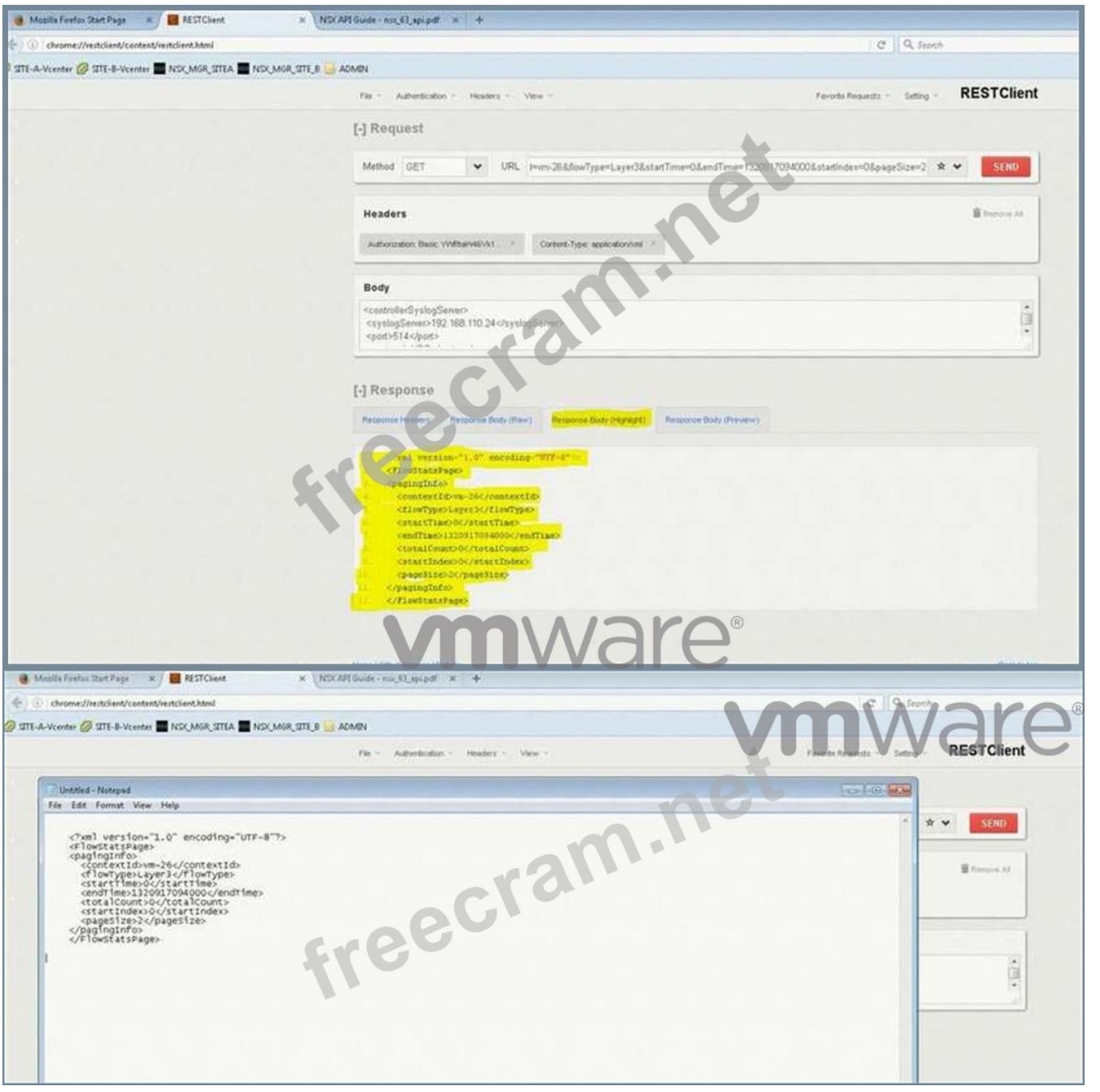
Apps | SITE-A-Vcenter | SITE-B-Vcenter | NSX_MGR_SITEA | NSX_MGR_SITE_B | ADMIN

storageIORMConfiguration	StorageIORMInfo	storageIORMConfiguration
name	string	"ds-site-a-nsf01"
overallStatus	ManagedEntityStatus	"green"
parent	ManagedObjectReference:Folder	group-s5 (datastore)
permission	Permission[]	
recentTask	ManagedObjectReference:Task[]	
summary	DatastoreSummary	summary
tag	Tag[]	
triggeredAlarmState	AlarmState[]	
value	CustomFieldValue[]	
vm	ManagedObjectReference:VirtualMachine[]	vm-105 (universal-app-02a) vm-103 (TS-Comm-DLR-01-0) vm-102 (TS-Comm-Edge-01-0) vm-101 (TS-Dev-Ops-DLR-0) vm-100 (TS-Edge-01-0) vm-99 (App01-DLR-0) vm-98 (Perimeter-Gateway-02-0) vm-54 (NSX_Controller_bd3d37f5-48ef-4308-b38b-14844f86fa55) vm-35 (dev-jumphost) vm-32 (ts-ping-02a) vm-31 (ts-ping-01a) vm-69 (NSX_Controller_e59b8132-6d1c-4c2d-9f83-e89f7b9c04ce) vm-107 (ts-ping-app-01a) vm-30 (universal-db-02a) vm-133 (Dev-DLR-NEW-1) vm-104 (Dev-Edge-0) vm-29 (dev-db-01a) vm-34 (dev-web-04a) vm-28 (universal-web-03a) vm-144 (edge-8d31fa7a-aaae-4859-a67f-0d9c580fa8e2-0-U-DLR-NEW) vm-132 (Dev-DLR-NEW-0) vm-53 (NSX_Controller_49a56b27-819a-4772-853a-6a213641e235) vm-27 (dev-web-02a) vm-26 (dev-web-01a) vm-96 (Perimeter-Gateway-01-0) vm-24 (dev-app-01a) (less...)

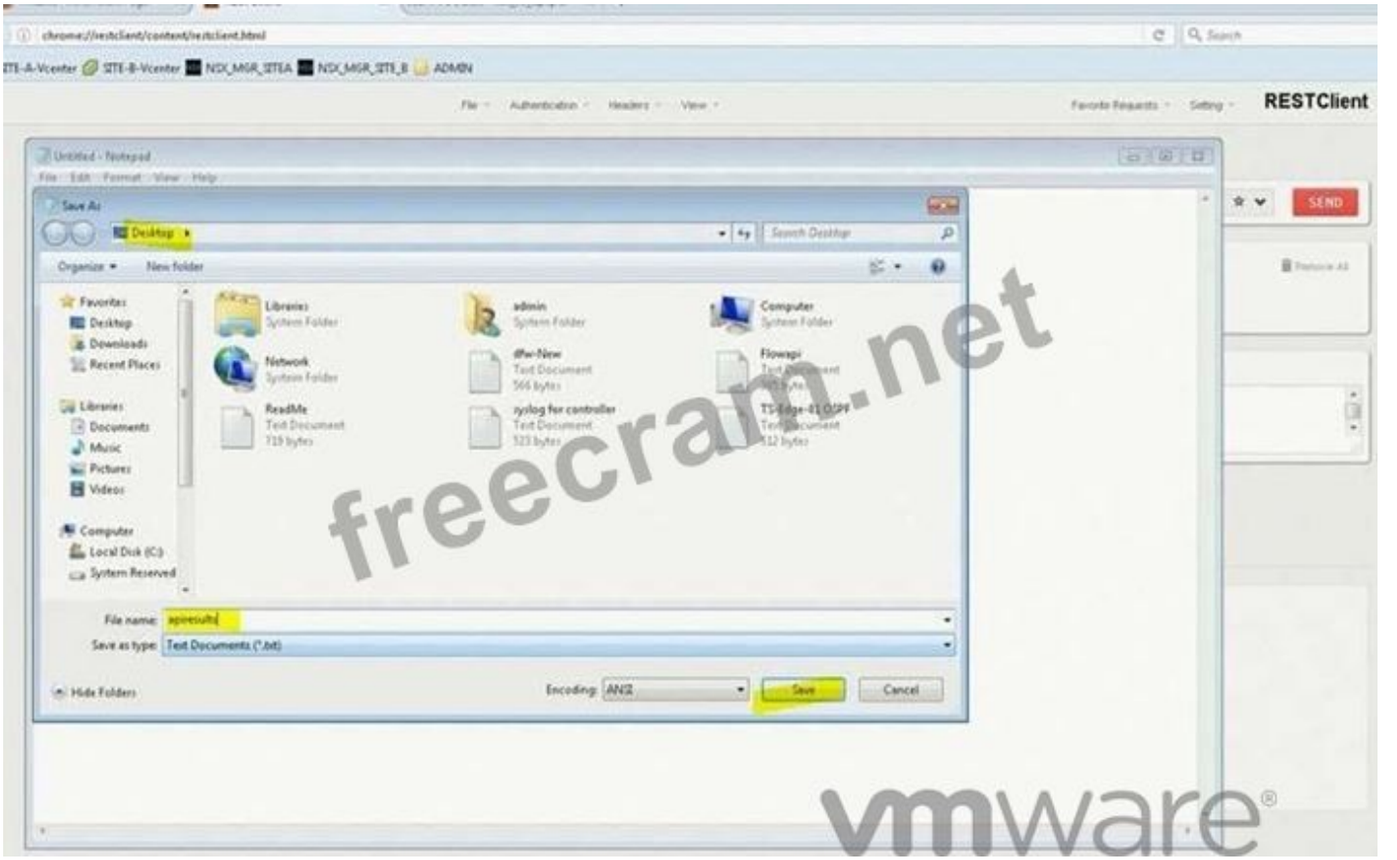
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Note down the vm number of dev-web-01a (in exam its like vm-216)
Then update flowapi.txt as
**********flowapi.txt**********
https://<nsxmgr-ip>/api/2.1/app/flow/flowstats?
contextId=datacenter-21&flowType=TCP_UDP&startTime
=0&endTime=
https://192.168.110.15/api/2.1/app/flow/flowstats?contextId=vm-216&flowType=Layer3
&startTime=0&endTime=1320917094000&startIndex=0&pageSize=2
**********flowapi.txt**********
Then go to RESTClient.
GET
https://192.168.110.15/api/2.1/app/flow/flowstats?contextId=vm-216&flowType=Layer3
&startTime=0&endTime=1320917094000&startIndex=0&pageSize=2
SEND
Copy the content of "Response Body"
Paste in notepad and Save As "apiresults.txt"on the desktop of ControlCenter.





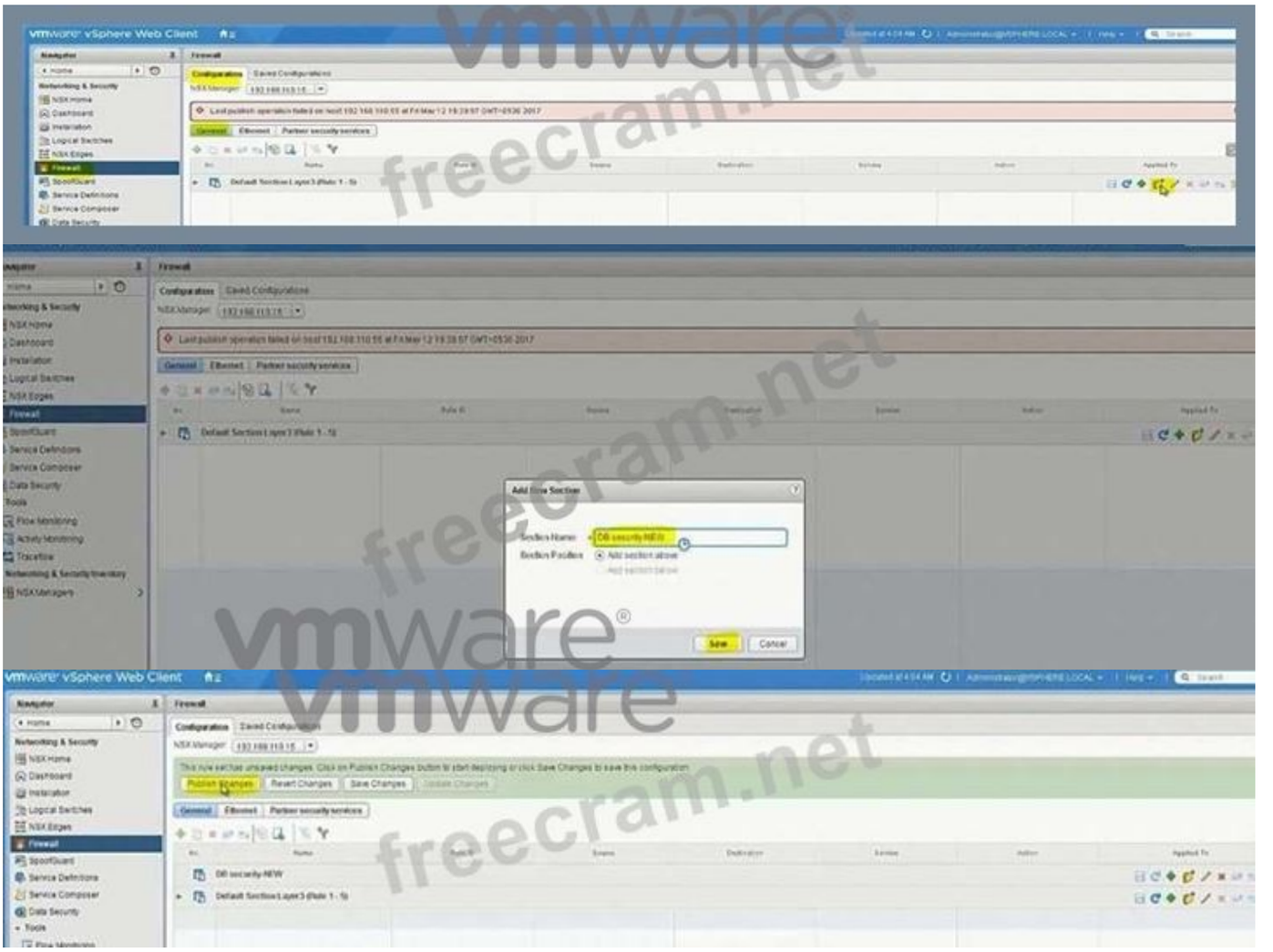
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vmware®



NEW QUESTION: 7
In the Dev environment, you have the application and database servers on separate networks created previously. Configure inbound only network security to allow only Dev application servers access to Dev database servers using MYSQL service port.
Requirements:
vCenter: vcsa-01a.corp.local
Credentials: administrator@vsphere.local / VMware1!
Service Port: MYSQL
Networks: Dev-App-Tier-01-NEW and Dev-DB-Tier-01-NEW
Credentials for Dev VMs: root / VMware1!
This rule should be in its own "DB security-NEW" section.
Ensure inbound only network security allows Dev application servers access to Dev database servers.
This rule should not be prpogated to all NSX prepared clusters.
This rule should be created in a way that any new virtual machines on App and DB segments will be secured.
This rule should be created with the fewest rule(s) possible.
All other servers should be denied.
Ensure inbound security requirements are met.
HOL LAB for Practice:
See the explanation part for complete solution.
Answer:

SOLUTION:

Firewall -> add new Section:

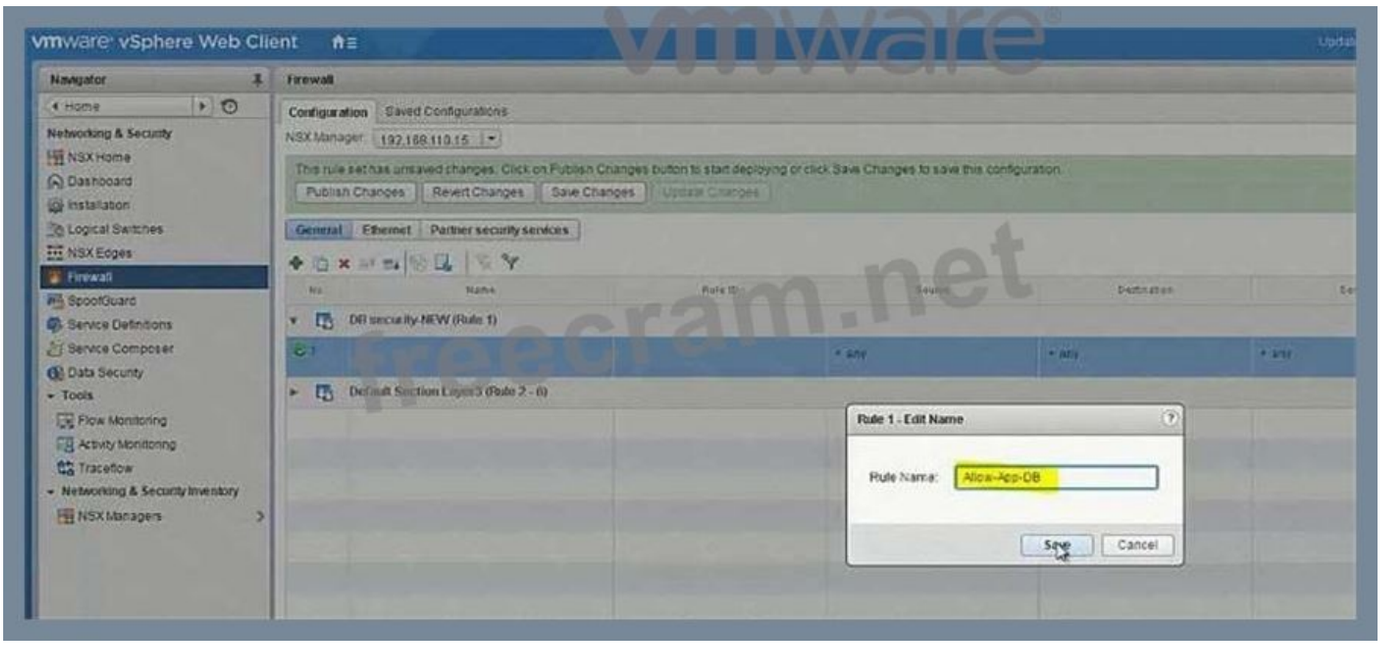


Add new Rule under newly created Section:

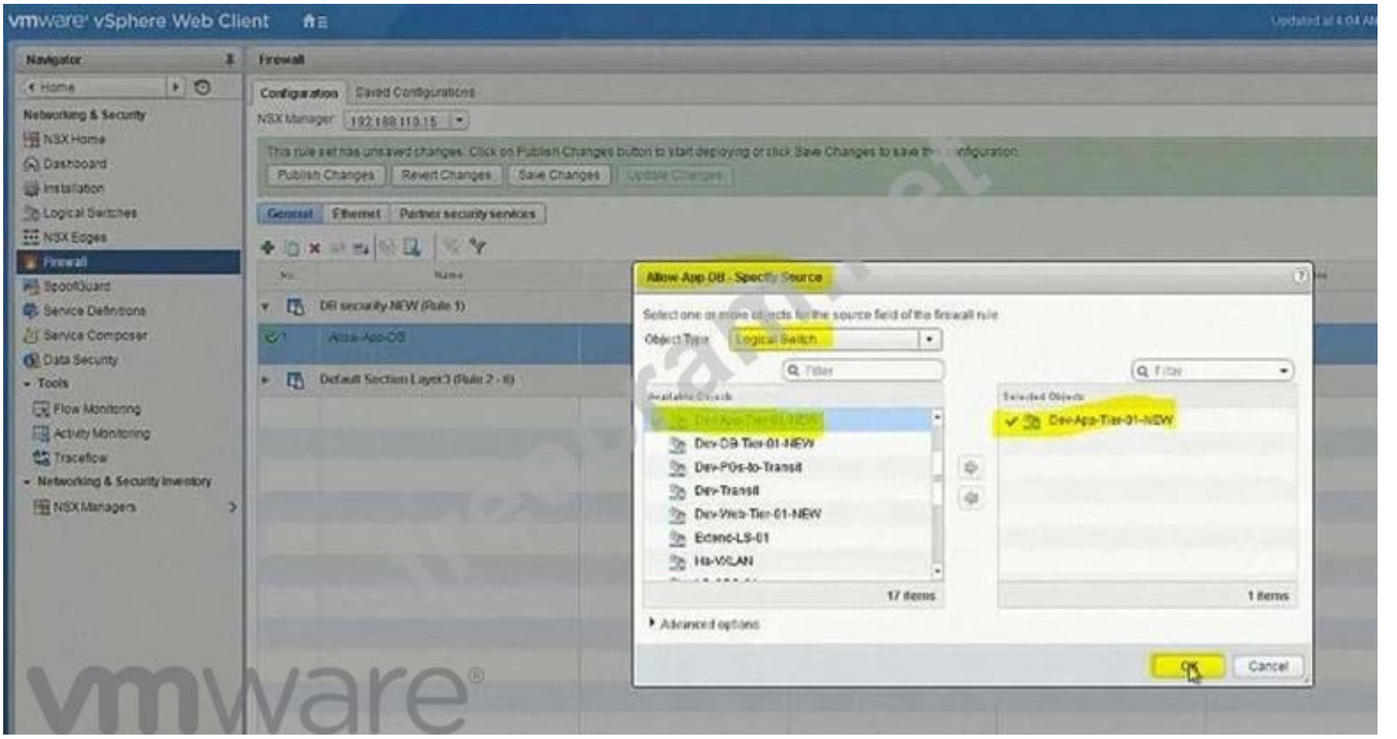


Edit Rule Name:

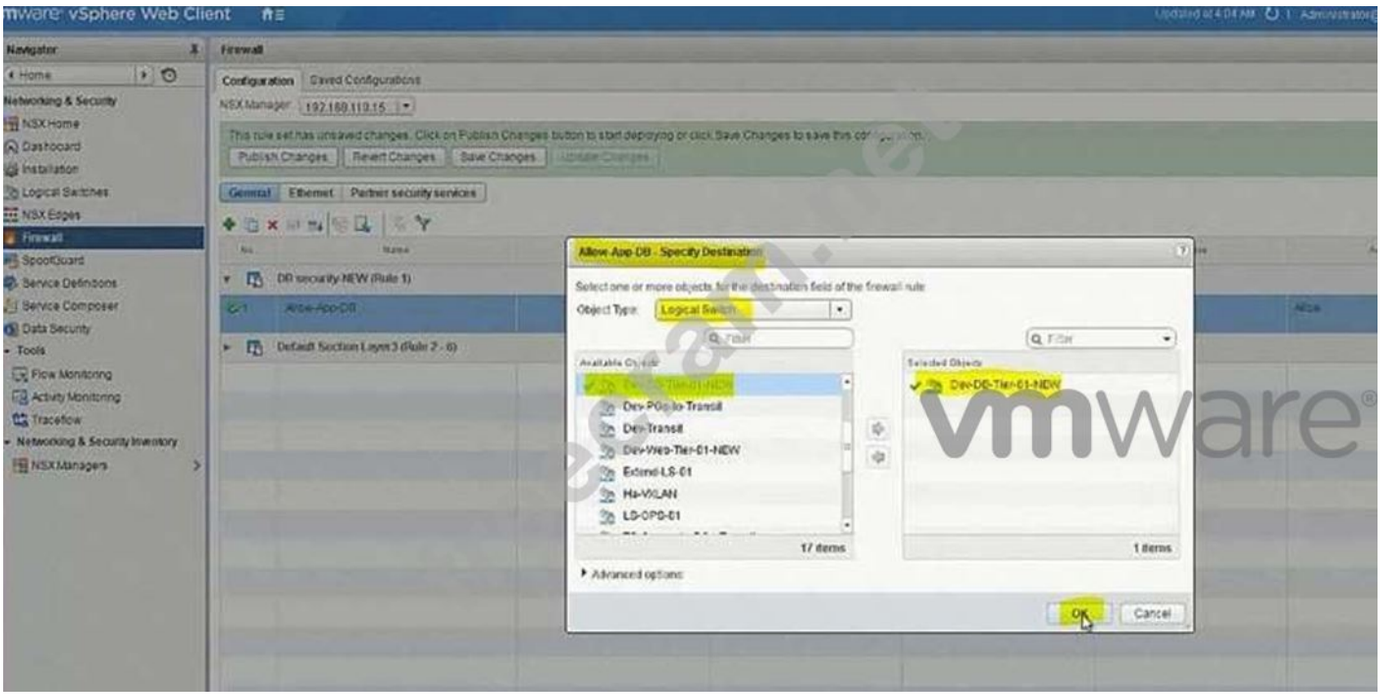




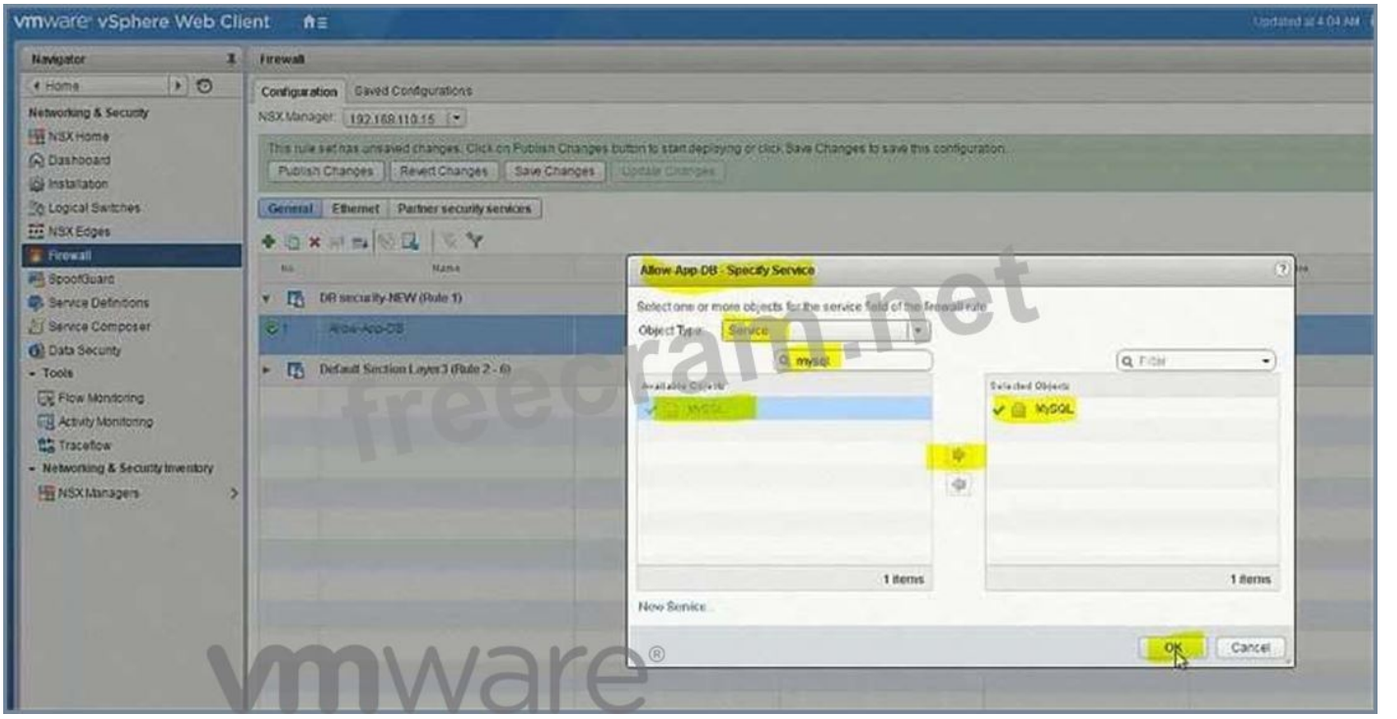
Source = Dev-App-Tier-01-NEW (LS)



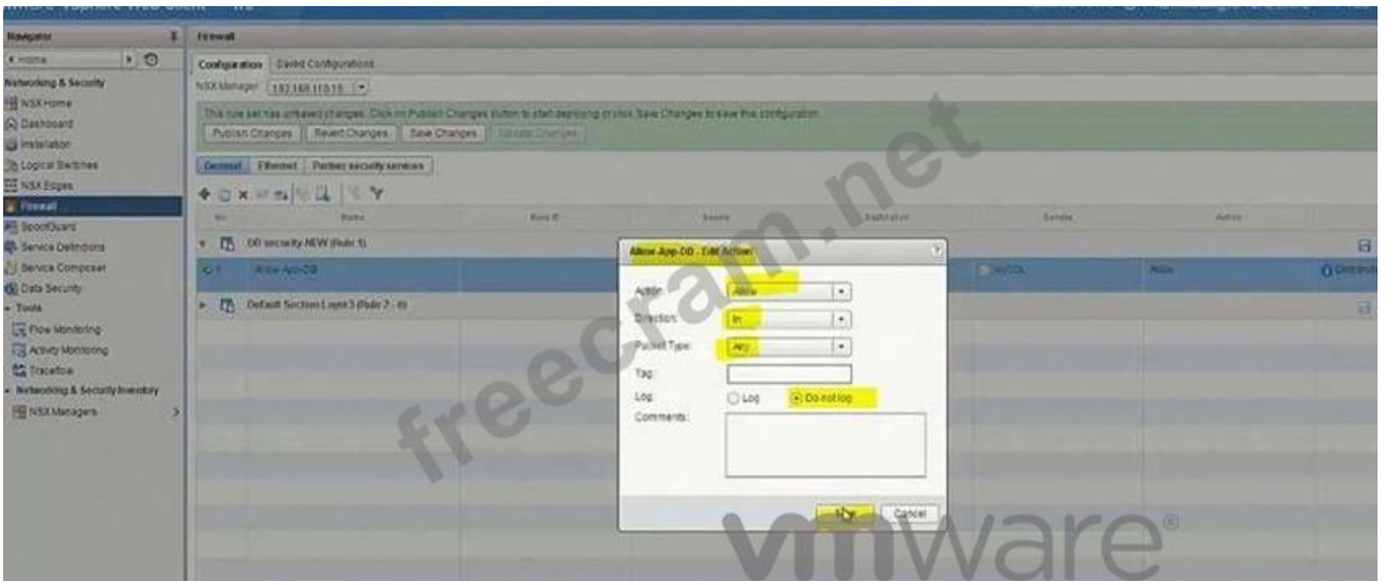
Destination = Dev-DB-Tier-01-NEW (LS)



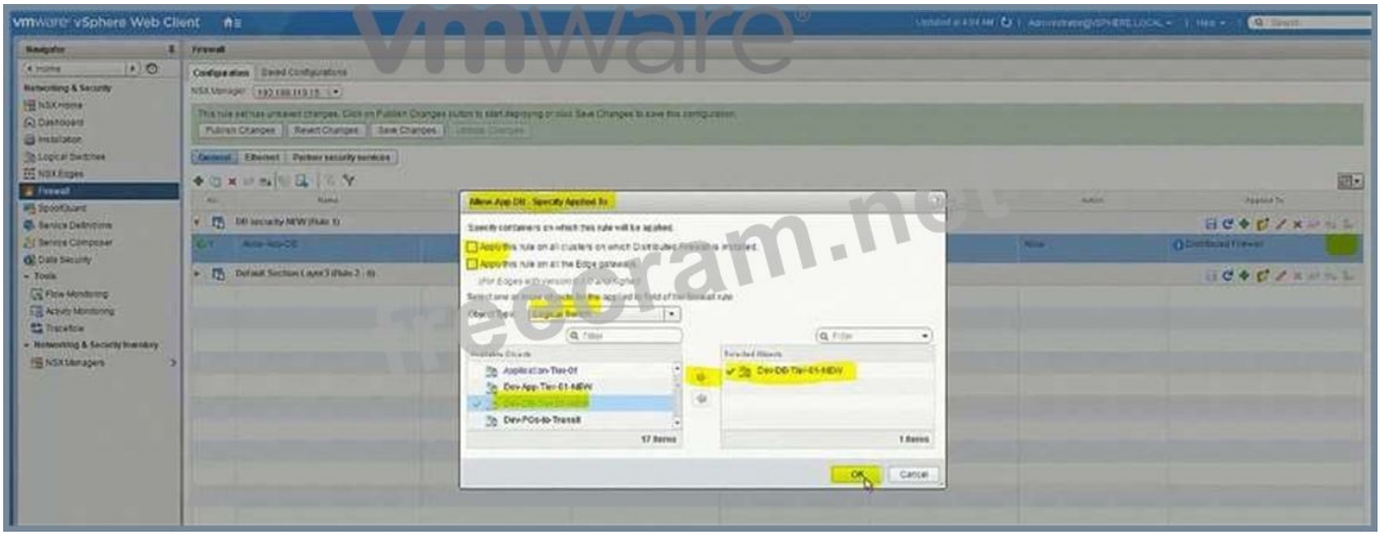
Service = MySQL



Allow - In

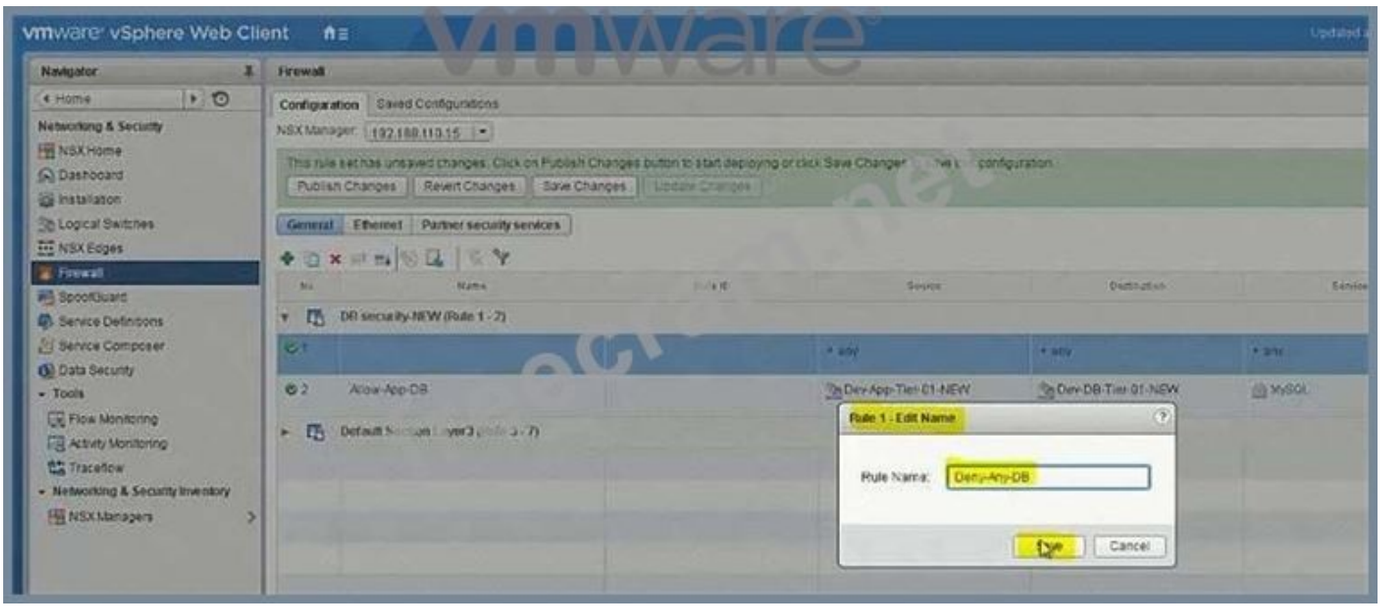


Applied To: Logical Switch = Dev-DB-Tier-01-NEW

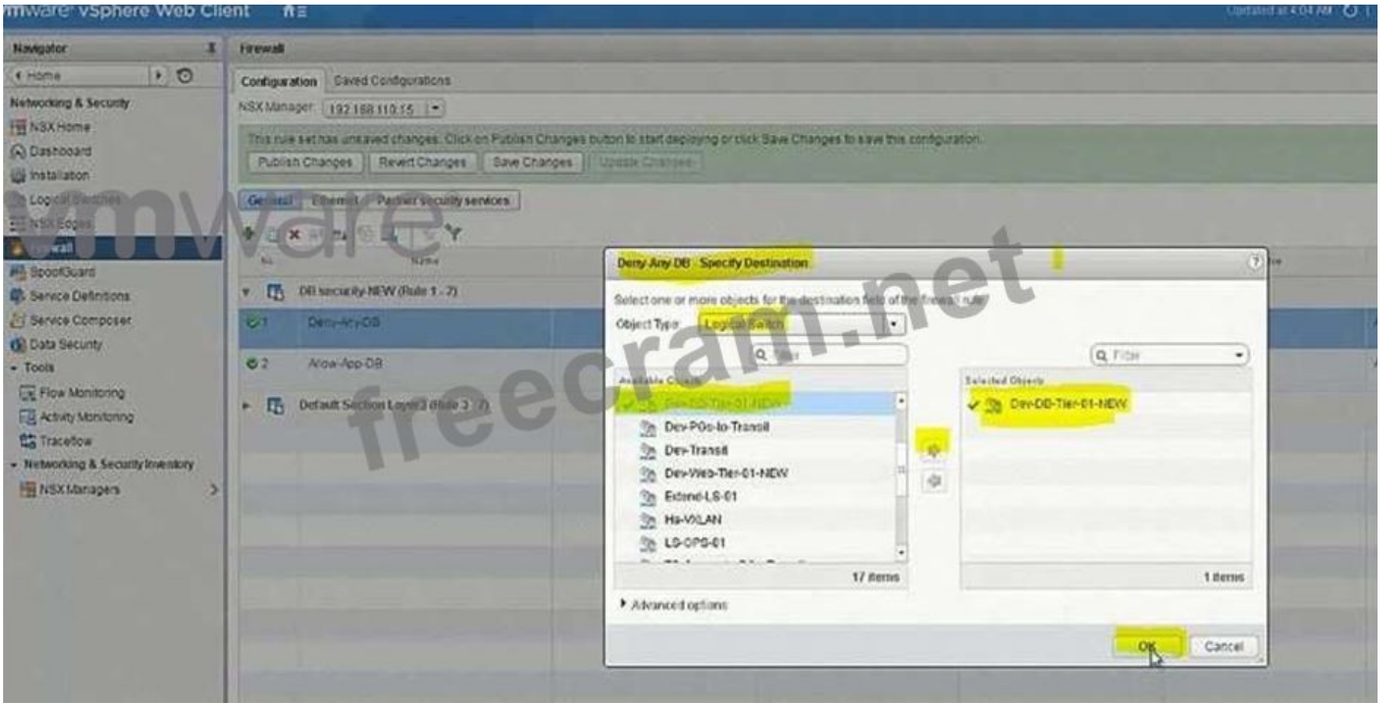


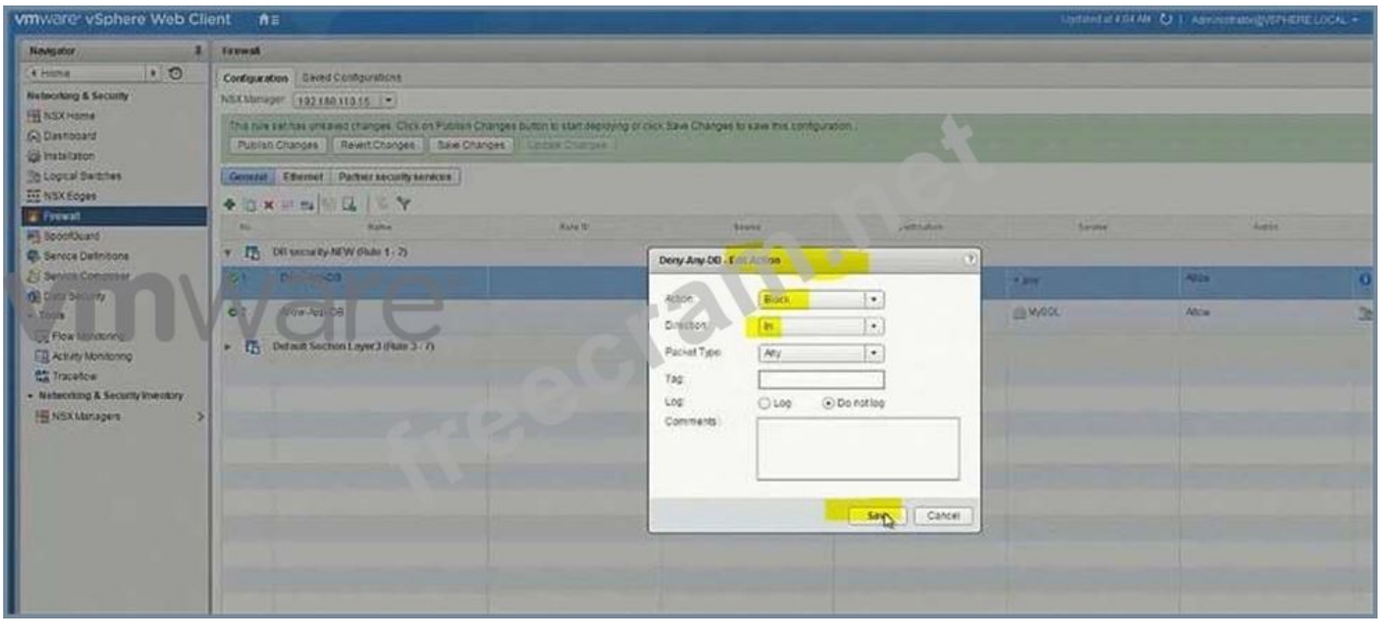
Add another rule = To Deny



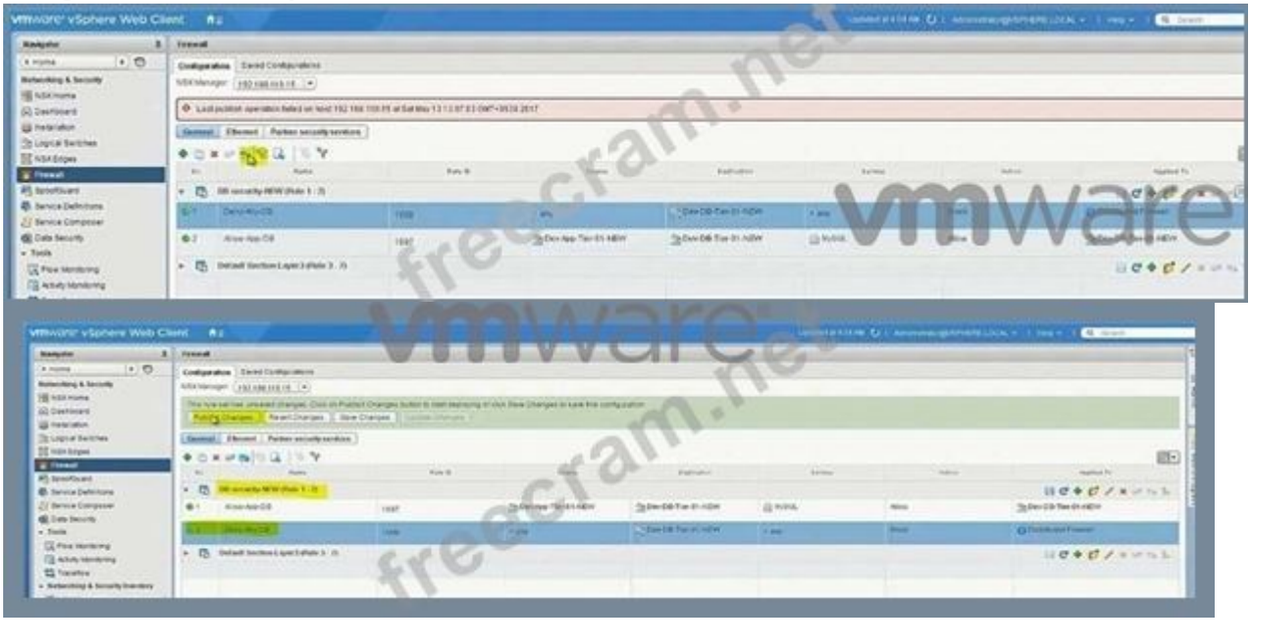


Set destination: Logical Switch = Dev-DB-Tier-01-NEW





Bring to last the Deny rule:



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