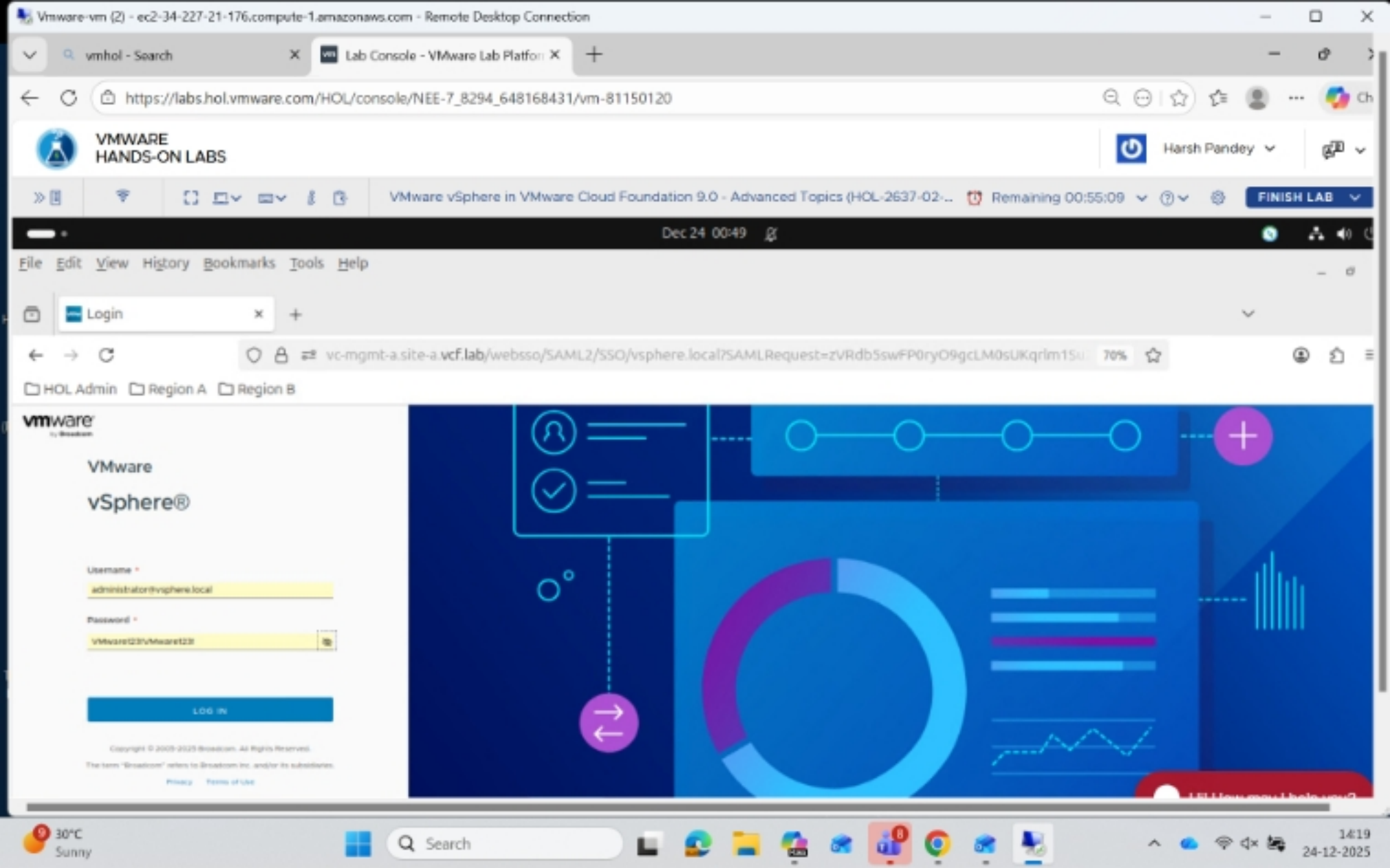
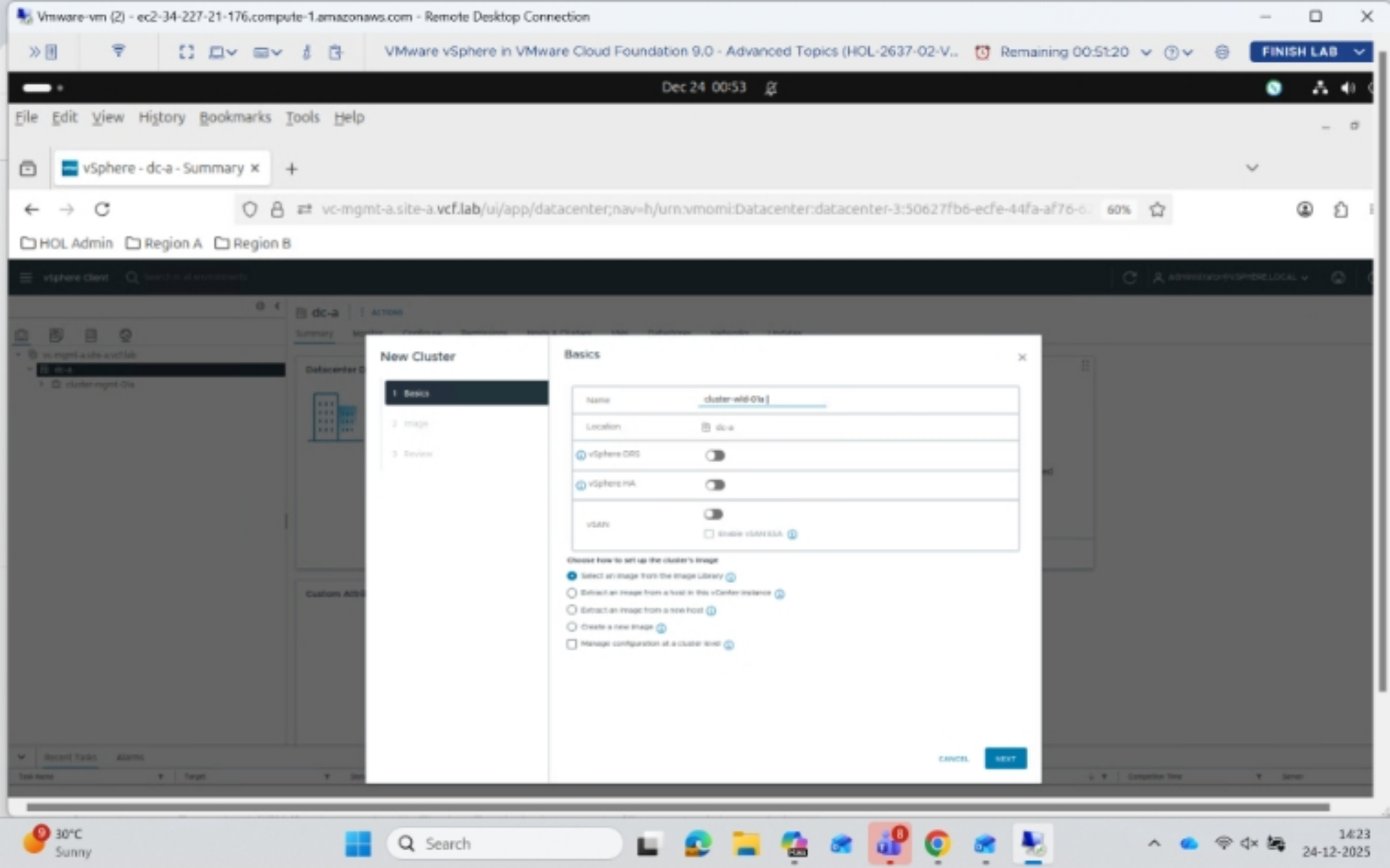

Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection
vmhol - Search
Lab Console - VMware Lab Platfor
https://labs.hol.vmware.com/HOL/console/NEE-7_8294_648168431/vm-81150120
VMWARE
HANDS-ON LABS
Harsh Pandey
VMware vSphere in VMware Cloud Foundation 9.0 - Advanced Topics (HOL-2637-02-...
Remaining 00:55:09
FINISH LAB
Dec 24 00:49
File Edit View History Bookmarks Tools Help
Login
vc-mgmt-a.site-a.vcf.lab/websso/SAML2/SSO/vsphere.local?SAMLRequest=zVRdb5swFP0ryO9gcLM0sUKqrlm15u
70%
HOL Admin
Region A
Region B
vmware
VMware
vSphere®
Username *
administrator@vsphere.local
Password *
LOG IN
Copyright © 2005-2025 Broadcom. All Rights Reserved.
Privacy
Terms of Use
30°C
Sunny
Search
14:19
24-12-2025


Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection
VMware vSphere in VMware Cloud Foundation 9.0 - Advanced Topics (HOL-2637-02-V...
Remaining 00:51:20
FINISH LAB
Dec 24 00:53
File Edit View History Bookmarks Tools Help
vSphere - dc-a - Summary
vc-mgmt-a.site-a.vcf.lab/ui/app/datacenter;nav=h/urn:vmomi:Datacenter:datacenter-3:50627fb6-ecfe-44fa-af76-c...
60%
HOL Admin
Region A
Region B
vSphere Client
dc-a
ACTIONS
Summary
New Cluster
Basics
Image
Review
Basics
Name
cluster-wld-01a
Location
dc-a
vSphere DRS
vSphere HA
vSAN
Enable vSAN ESA
Choose how to set up the cluster's image
Select an image from the image library
Extract an image from a host in this vCenter instance
Extract an image from a new host
Create a new image
Manage configuration at a cluster level
CANCEL
NEXT
Recent Tasks
Alarms
30°C
Sunny
Search
14:23
24-12-2025

Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection

vmhol - Search | Lab Console - VMware Lab Platfor

https://labs.hol.vmware.com/HOL/console/NEE-7_8294_648168431/vm-81150120

VMWARE
HANDS-ON LABS

Harsh Pandey

VMware vSphere in VMware Cloud Fo... Remaining 00:41:13 FINISH LAB

Manual | Consoles | Resources

Dec 24 01:03

vSphere - cluster-wld-01a | Passwords

vc-mgmt-a.site-a.vcf.lab/ui/app/cluster;nav=h/urn:vmomi:Cluster:

HOL Admin | Region A | Region B

Add hosts

1 Add hosts
2 Host Summary
3 Import image
4 Review

Review

Hosts will enter maintenance mode before they are moved to the cluster. You might need to either power off or migrate powered on and suspended virtual machines.

3 new hosts will be connected to vCenter Server and moved to the cluster:

esx-07a.site-a.vcf.lab
esx-06a.site-a.vcf.lab
esx-07a.site-a.vcf.lab

CANCEL | BACK | FINISH

26 / 155

REVIEW AND FINISH

This final page of the wizard is one last chance to review all the information you have provided. Feel free to review this information and compare your lab to the screenshot above.

1. Click **'FINISH'** when you are ready to complete the **Add Hosts** wizard.

Air: Satisfactory
Now

Search

14:33
24-12-2025

Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection

vmhol - Search | Lab Console - VMware Lab Platfor

https://labs.hol.vmware.com/HOL/console/NEE-7_8294_648168431/vm-81150120

VMWARE
HANDS-ON LABS

Harsh Pandey

VMware vSphere in VMware Cloud F... Remaining 00:37:36 FINISH LAB

Manual Consoles Resources

26 / 155

Dec 24 01:06

File Edit View History Bookmarks Tools Help

vSphere - cluster-wld-01a | Passwords

vc-mgmt-a.site-a.vcf.lab/ui/app/cluster;nav=h/urn:vmomi:ClusterC 60%

HOL Admin Region A Region B

Configure cluster

1 Distributed switches
2 Advanced options
3 Review

Review

Advanced options

The cluster is configured with the following options:

- Lockdown mode is disabled on all hosts
- All hosts use NTP server: 192.168.100.1
- Enhanced vMotion Compatibility is disabled
- IBRS support is disabled

CANCEL BACK FINISH

REVIEW AND FINISH

This final page of the wizard is one last chance to review all the information you have provided. Feel free to review this information and compare your lab to the screenshot above.

1. Click **'FINISH'** when you are ready to complete the **Add Hosts** wizard.

30°C Sunny

Search

14:36
24-12-2025

Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection

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https://labs.hol.vmware.com/HOL/console/NEE-7_8294_648168431/vm-81150120

VMWARE
HANDS-ON LABS

Harsh Pandey

VMware vSphere in VMware Cloud F... Remaining 00:35:57 FINISH LAB

Manual | Consoles | Resources

26 / 155

Dec 24 01:08

vSphere - cluster-wld-01a | Passwords

vc-mgmt-a.site-a.vcf.lab/ui/app/cluster;nav=h/urn:vmomi:Cluster:

60%

HOL Admin | Region A | Region B

vSphere Client

cluster-wld-01a

Summary | Monitor | Configure | Permissions | Hosts | VMs | Datastores | Networks | Updates

Services
vSphere DRS
vSphere Availability

Configuration
Quickstart
General
Key Provider
VMware EVC
VM/Host Groups
VM/Host Rules
VM Overrides
I/O Filters
Host Options
Host Profile

Licensing
Alarm Definitions
Scheduled Tasks

vSphere Cluster Services
General
Datastores

Nice work!

Your cluster is now successfully configured and ready to run workloads. In the future you can add more hosts to your cluster by doing Step 2: Add Hosts again.

1. Cluster basics
No selected services.
Lifecycle Management
Manage all hosts with one image

2. Add hosts
Hosts: 3

3. Configure hosts

EDIT | ADD | RE-VALIDATE | CONFIGURE | RE-VALIDATE

Recent Tasks | Alarms

REVIEW AND FINISH

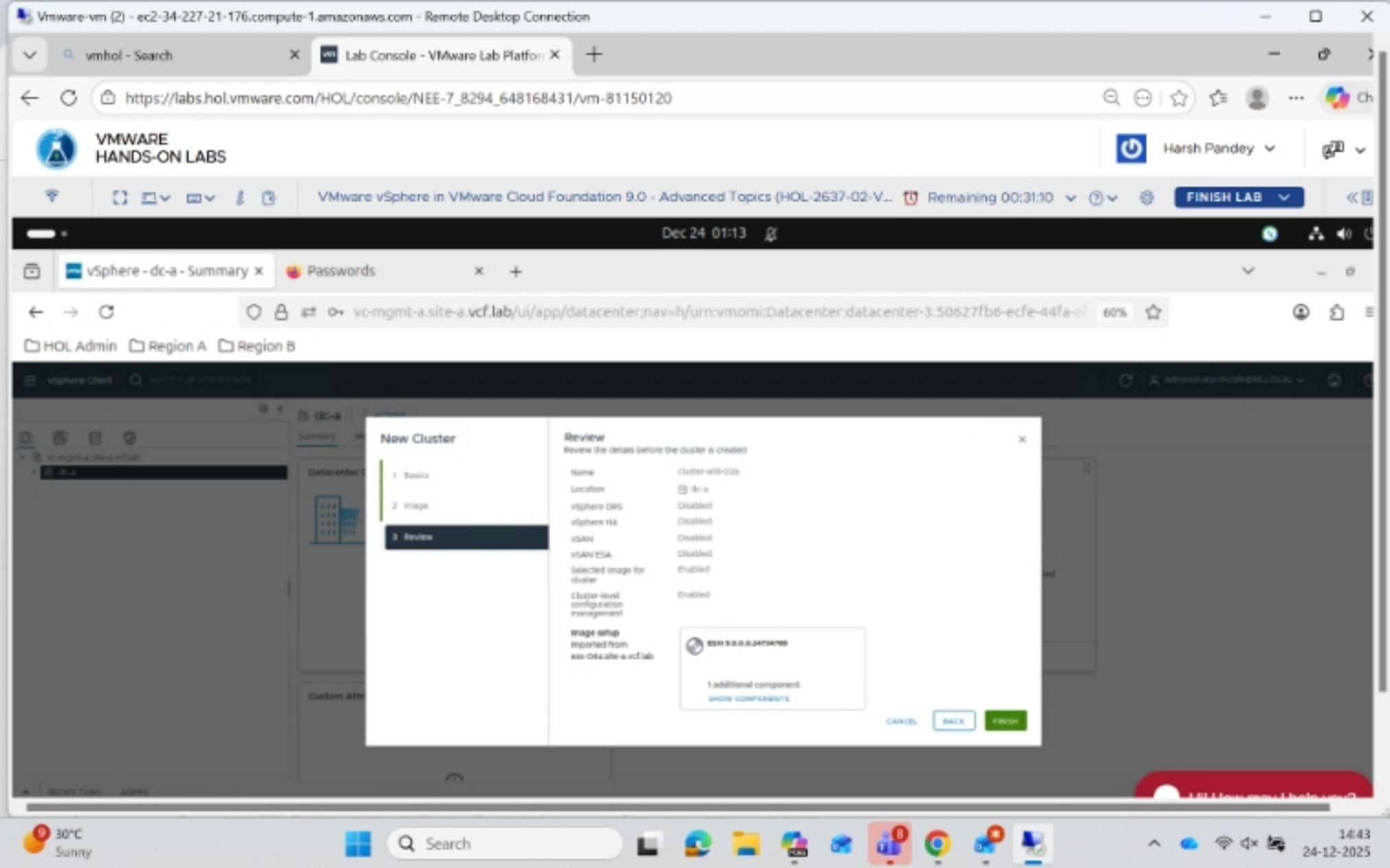
This final page of the wizard is one last chance to review all the information you have provided. Feel free to review this information and compare your lab to the screenshot above.

1. Click **'FINISH'** when you are ready to complete the **Add Hosts** wizard.

30°C Sunny

Search

14:38
24-12-2025


Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection
vmhol - Search
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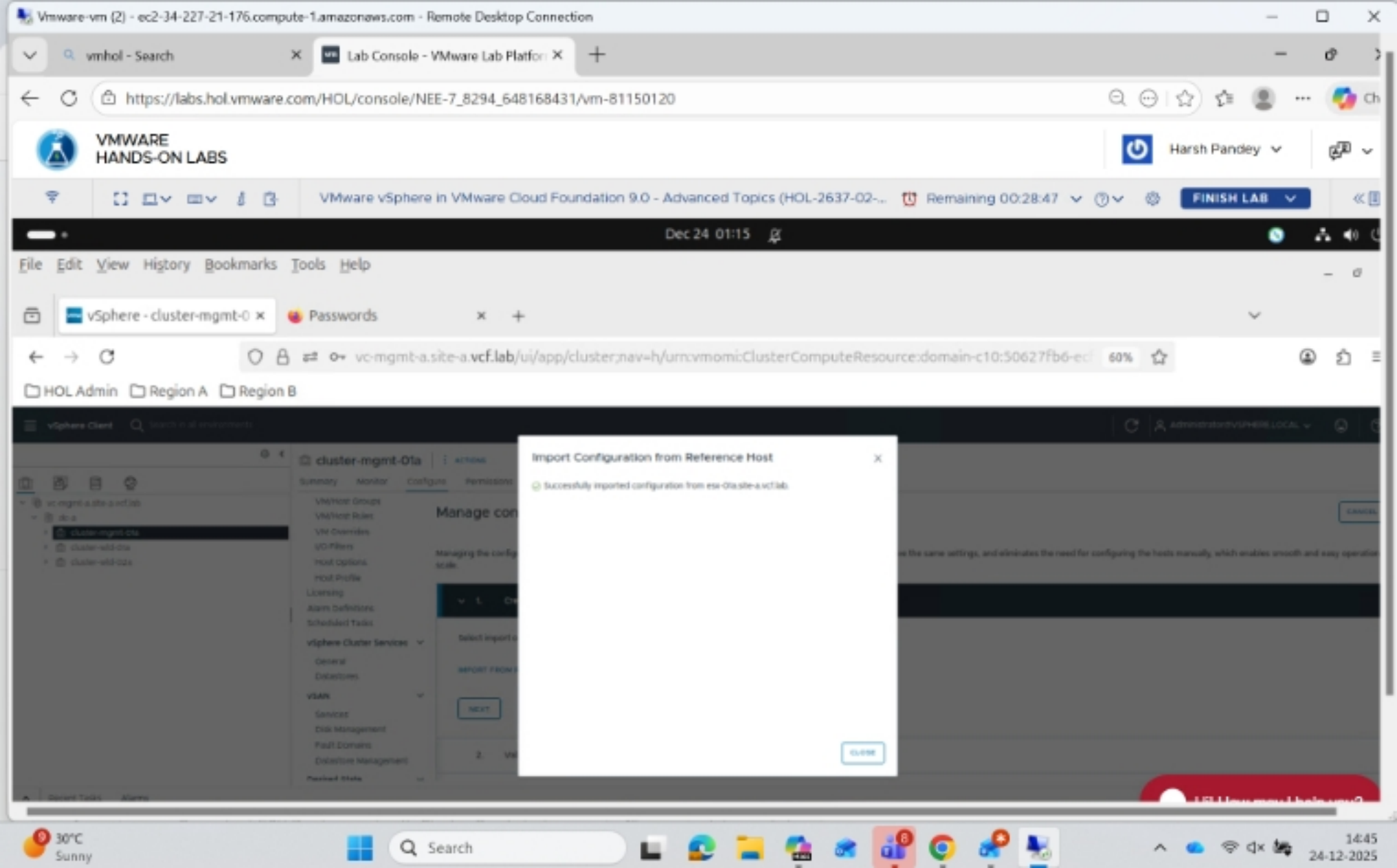
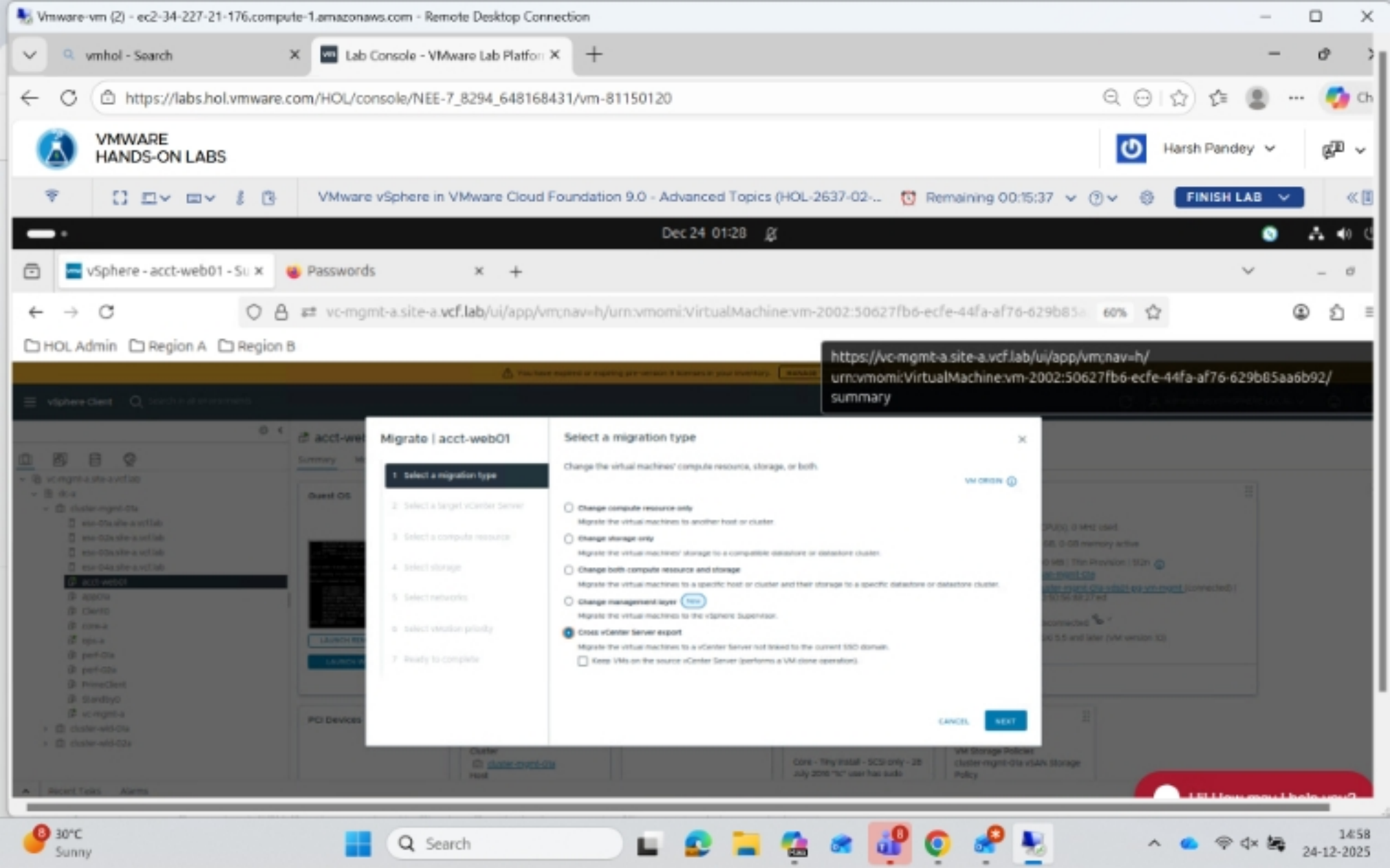
VMWARE
HANDS-ON LABS
Harsh Pandey
VMware vSphere in VMware Cloud Foundation 9.0 - Advanced Topics (HOL-2637-02-V...
Remaining 00:31:10
FINISH LAB
Dec 24 01:13
vSphere - dc-a - Summary
Passwords
vc-mgmt-a.site-a.vcf.lab/ui/app/datacenter;nav=h/urn:vmomi:Datacenter:datacenter-3:50627fb6-ecfe-44fa-a
60%
HOL Admin
Region A
Region B
New Cluster
1 Basics
2 Image
3 Review
Review
Review the details before the cluster is created
Name
Location
vSphere DRS
vSphere HA
vSAN
vSAN ESA
Selected image for cluster
Cluster-level configuration management
Image setup
Imported from
1 additional component
SHOW COMPONENTS
CANCEL
BACK
FINISH
30°C
Sunny
Search
14:43
24-12-2025


Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection
vmhol - Search
Lab Console - VMware Lab Platfor
https://labs.hol.vmware.com/HOL/console/NEE-7_8294_648168431/vm-81150120
VMWARE
HANDS-ON LABS
Harsh Pandey
VMware vSphere in VMware Cloud Foundation 9.0 - Advanced Topics (HOL-2637-02-...
Remaining 00:28:47
FINISH LAB
Dec 24 01:15
File Edit View History Bookmarks Tools Help
vSphere - cluster-mgmt-0
Passwords
vc-mgmt-a.site-a.vcf.lab/ui/app/cluster;nav=h/urn:vmomi:ClusterComputeResource:domain-c10:50627fb6-ec
60%
HOL Admin
Region A
Region B
cluster-mgmt-01a
Import Configuration from Reference Host
Successfully imported configuration from esx-01a.site-a.vcf.lab.
CLOSE
30°C
Sunny
Search
14:45
24-12-2025


Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection
vmhol - Search
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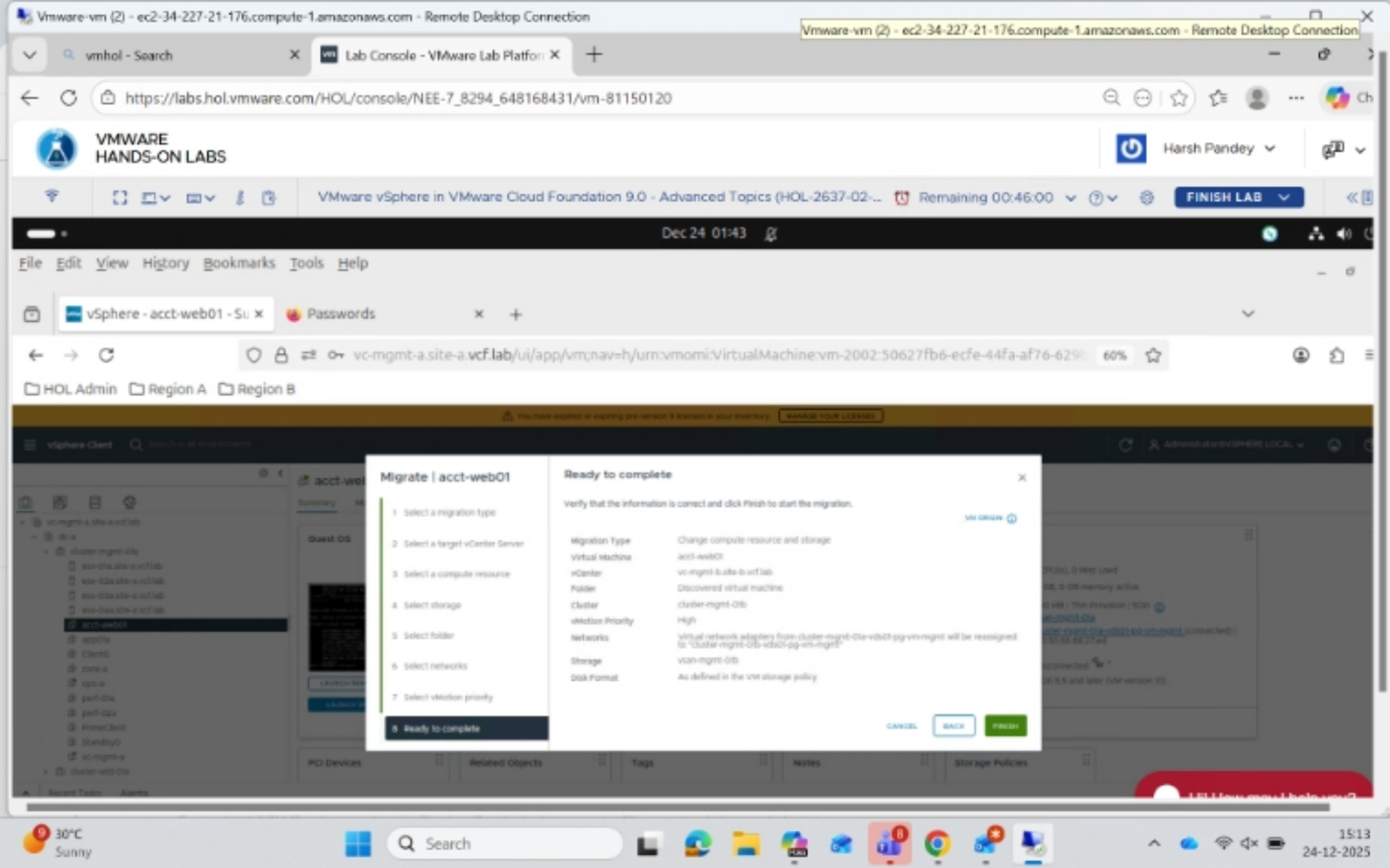
https://labs.hol.vmware.com/HOL/console/NEE-7_8294_648168431/vm-81150120
VMWARE
HANDS-ON LABS
Harsh Pandey
VMware vSphere in VMware Cloud Foundation 9.0 - Advanced Topics (HOL-2637-02-...
Remaining 00:15:37
FINISH LAB
Dec 24 01:28
vSphere - acct-web01 - Su
Passwords
vc-mgmt-a.site-a.vcf.lab/ui/app/vm;nav=h/urn:vmomi:VirtualMachine:vm-2002:50627fb6-ecfe-44fa-af76-629b85
60%
HOL Admin
Region A
Region B
https://vc-mgmt-a.site-a.vcf.lab/ui/app/vm;nav=h/urn:vmomi:VirtualMachine:vm-2002:50627fb6-ecfe-44fa-af76-629b85aa6b92/summary
Migrate | acct-web01
Select a migration type
Change the virtual machines' compute resource, storage, or both.
VM ORIGIN
Change compute resource only
Migrate the virtual machines to another host or cluster.
Change storage only
Migrate the virtual machines' storage to a compatible datastore or datastore cluster.
Change both compute resource and storage
Migrate the virtual machines to a specific host or cluster and their storage to a specific datastore or datastore cluster.
Change management layer
New
Migrate the virtual machines to the vSphere Supervisor.
Cross vCenter Server export
Migrate the virtual machines to a vCenter Server not linked to the current SSO domain.
Keep VMs on the source vCenter Server (performs a VM clone operation).
CANCEL
NEXT
30°C
Sunny
Search
14:58
24-12-2025


Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection
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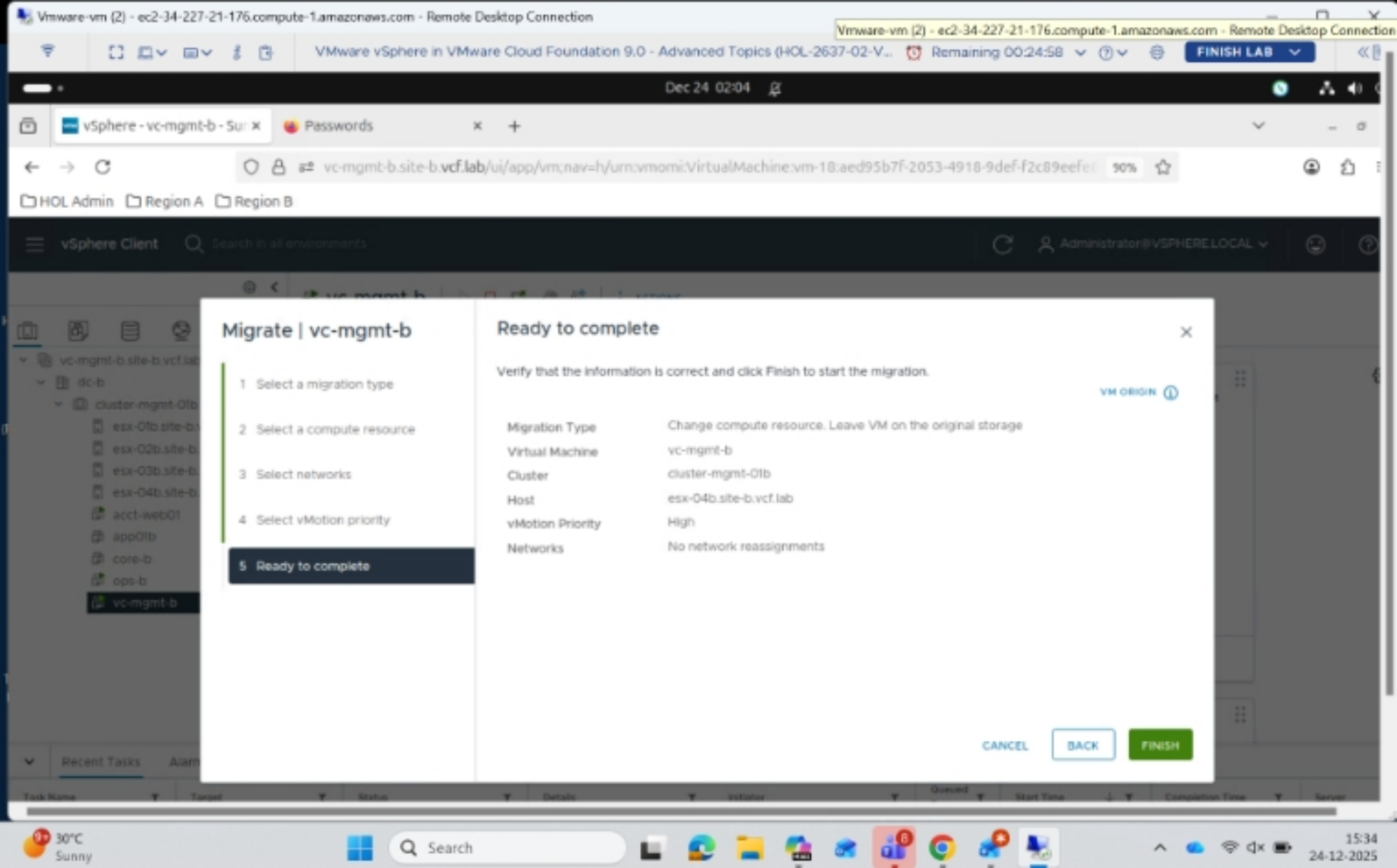
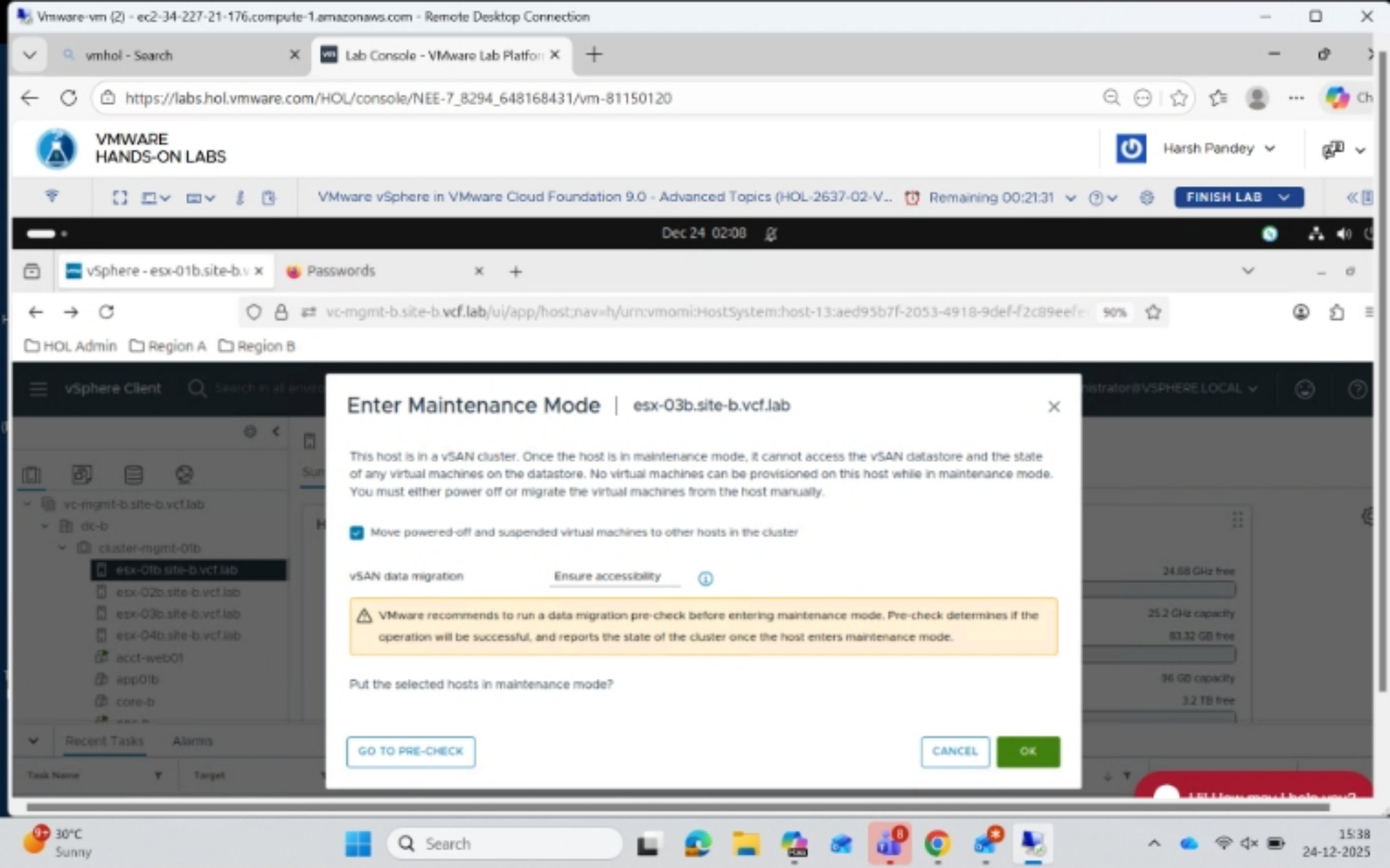
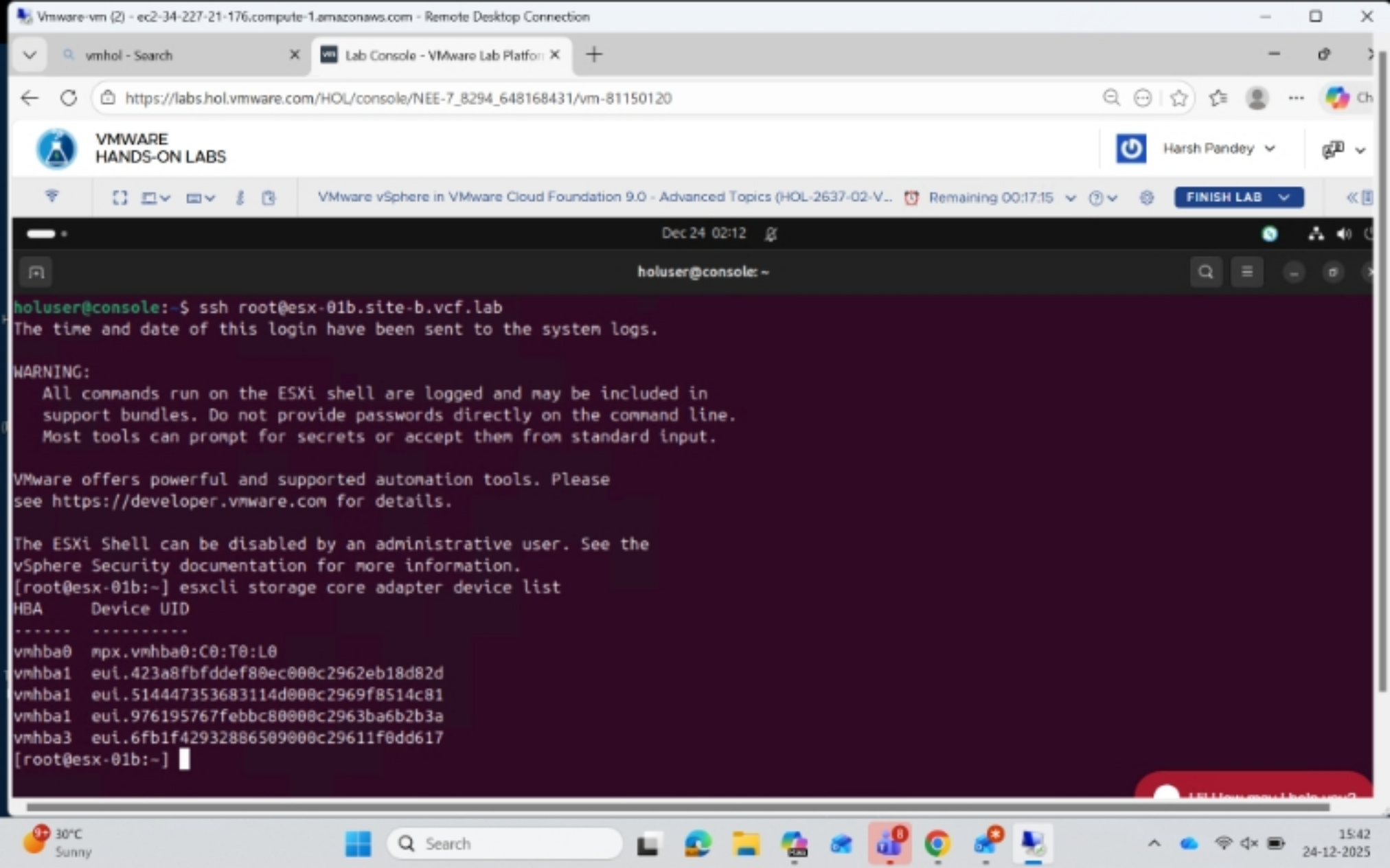
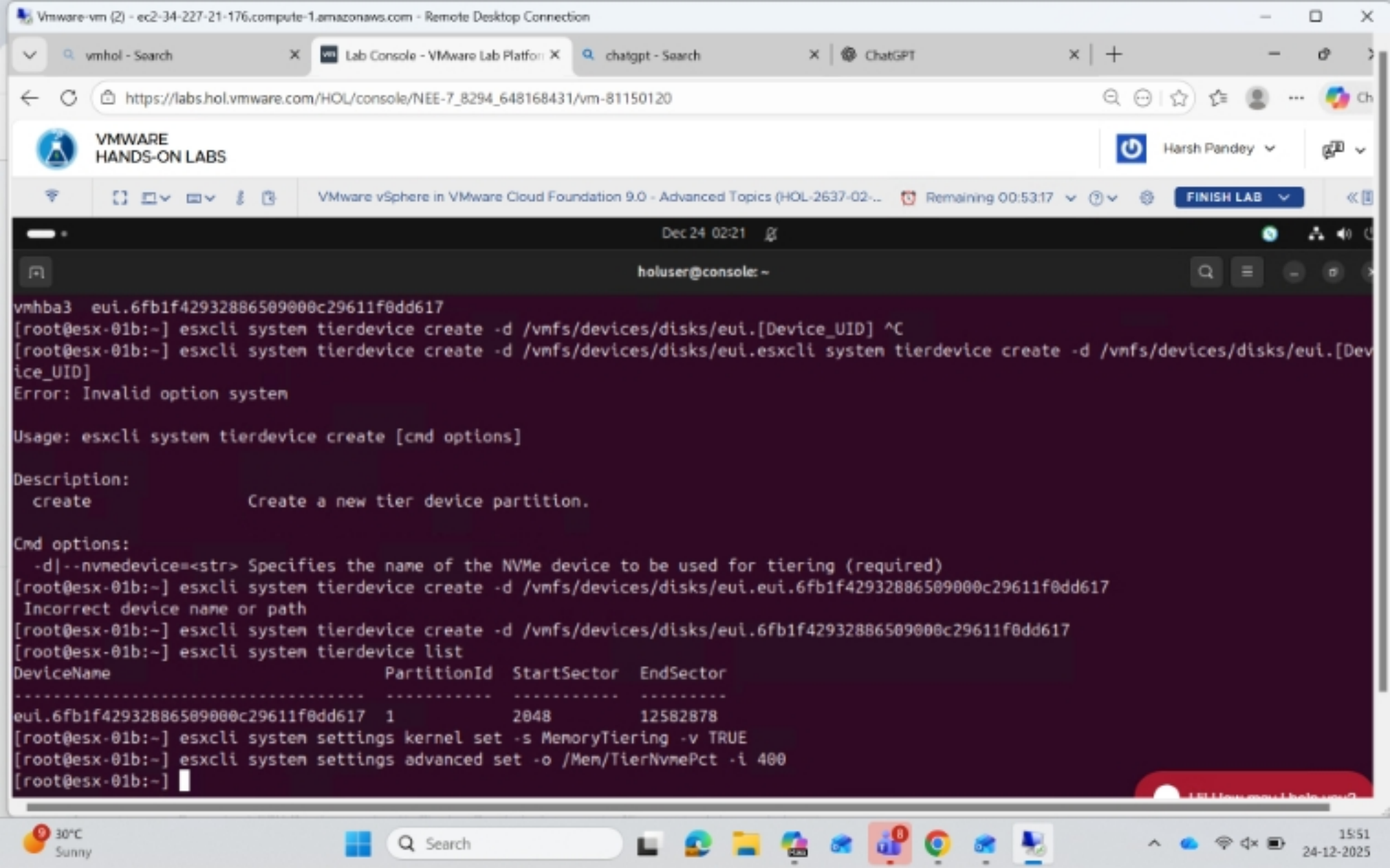
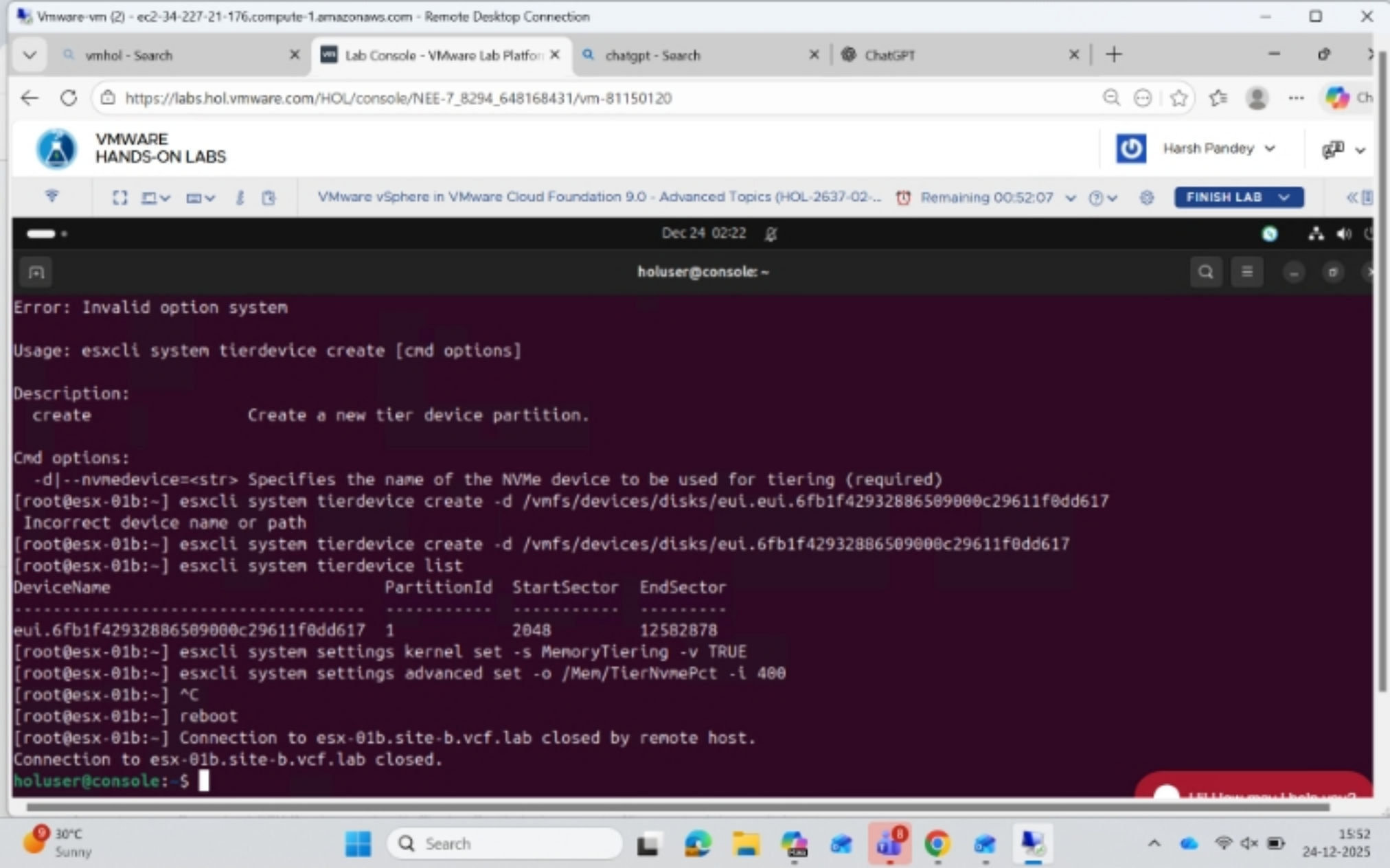
Lab Console - VMware Lab Platfor
https://labs.hol.vmware.com/HOL/console/NEE-7_8294_648168431/vm-81150120
VMWARE
HANDS-ON LABS
Harsh Pandey
VMware vSphere in VMware Cloud Foundation 9.0 - Advanced Topics (HOL-2637-02-...
Remaining 00:46:00
FINISH LAB
Dec 24 01:43
File Edit View History Bookmarks Tools Help
vSphere - acct-web01 - Su
Passwords
vc-mgmt-a.site-a.vcf.lab/ui/app/vm;nav=h/urn:vmomi:VirtualMachine:vm-2002:50627fb6-ecfe-44fa-af76-629
60%
HOL Admin
Region A
Region B
Migrate | acct-web01
1 Select a migration type
2 Select a target vCenter Server
3 Select a compute resource
4 Select storage
5 Select folder
6 Select networks
7 Select vMotion priority
8 Ready to complete
Ready to complete
Verify that the information is correct and click Finish to start the migration.
Migration Type
Change compute resource and storage
Virtual Machine
acct-web01
vCenter
vc-mgmt-b.site-b.vcf.lab
Folder
Discovered virtual machine
Cluster
cluster-mgmt-01b
vMotion Priority
High
Networks
Storage
vsan-mgmt-01b
Disk Format
As defined in the VM storage policy
CANCEL
BACK
FINISH
30°C
Sunny
Search
15:13
24-12-2025


Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection
VMware vSphere in VMware Cloud Foundation 9.0 - Advanced Topics (HOL-2637-02-V...
Remaining 00:24:58
FINISH LAB
Dec 24 02:04
vSphere - vc-mgmt-b - Su
Passwords
vc-mgmt-b.site-b.vcf.lab/ui/app/vm;nav=h/urn:vmomi:VirtualMachine:vm-18:aed95b7f-2053-4918-9def-f2c89eefe
90%
HOL Admin
Region A
Region B
vSphere Client
Administrator@VSPHERE.LOCAL
Migrate | vc-mgmt-b
1 Select a migration type
2 Select a compute resource
3 Select networks
4 Select vMotion priority
5 Ready to complete
Ready to complete
Verify that the information is correct and click Finish to start the migration.
VM ORIGIN
Migration Type
Change compute resource. Leave VM on the original storage
Virtual Machine
vc-mgmt-b
Cluster
cluster-mgmt-01b
Host
esx-04b.site-b.vcf.lab
vMotion Priority
High
Networks
No network reassignments
CANCEL
BACK
FINISH
Recent Tasks
30°C
Sunny
Search
15:34
24-12-2025


Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection
vmhol - Search
Lab Console - VMware Lab Platfor
https://labs.hol.vmware.com/HOL/console/NEE-7_8294_648168431/vm-81150120
VMWARE
HANDS-ON LABS
Harsh Pandey
VMware vSphere in VMware Cloud Foundation 9.0 - Advanced Topics (HOL-2637-02-V...
Remaining 00:21:31
FINISH LAB
Dec 24 02:08
vSphere - esx-01b.site-b.v
Passwords
vc-mgmt-b.site-b.vcf.lab/ui/app/host;nav=h/urn:vmomi:HostSystem:host-13:aed95b7f-2053-4918-9def-f2c89eef
90%
HOL Admin
Region A
Region B
vSphere Client
vc-mgmt-b.site-b.vcf.lab
dc-b
cluster-mgmt-01b
esx-01b.site-b.vcf.lab
esx-02b.site-b.vcf.lab
esx-03b.site-b.vcf.lab
esx-04b.site-b.vcf.lab
acct-web01
app01b
core-b
Recent Tasks
Alarms
Task Name
Target
Enter Maintenance Mode | esx-03b.site-b.vcf.lab
This host is in a vSAN cluster. Once the host is in maintenance mode, it cannot access the vSAN datastore and the state of any virtual machines on the datastore. No virtual machines can be provisioned on this host while in maintenance mode. You must either power off or migrate the virtual machines from the host manually.
Move powered-off and suspended virtual machines to other hosts in the cluster
vSAN data migration
Ensure accessibility
VMware recommends to run a data migration pre-check before entering maintenance mode. Pre-check determines if the operation will be successful, and reports the state of the cluster once the host enters maintenance mode.
Put the selected hosts in maintenance mode?
GO TO PRE-CHECK
CANCEL
OK
24.68 GHz free
25.2 GHz capacity
83.32 GB free
96 GB capacity
3.2 TB free
30°C
Sunny
Search
15:38
24-12-2025


Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection
vmhol - Search
Lab Console - VMware Lab Platfor
https://labs.hol.vmware.com/HOL/console/NEE-7_8294_648168431/vm-81150120
VMWARE
HANDS-ON LABS
Harsh Pandey
VMware vSphere in VMware Cloud Foundation 9.0 - Advanced Topics (HOL-2637-02-V...
Remaining 00:17:15
FINISH LAB
Dec 24 02:12
holuser@console: ~
holuser@console:~$ ssh root@esx-01b.site-b.vcf.lab
The time and date of this login have been sent to the system logs.
WARNING:
All commands run on the ESXi shell are logged and may be included in
support bundles. Do not provide passwords directly on the command line.
Most tools can prompt for secrets or accept them from standard input.
VMware offers powerful and supported automation tools. Please
see https://developer.vmware.com for details.
The ESXi Shell can be disabled by an administrative user. See the
vSphere Security documentation for more information.
[root@esx-01b:~] esxcli storage core adapter device list
HBA Device UID
vmhba0 mpx.vmhba0:C0:T0:L0
vmhba1 eui.423a8fbfddef80ec000c2962eb18d82d
vmhba1 eui.514447353683114d000c2969f8514c81
vmhba1 eui.976195767febbc80000c2963ba6b2b3a
vmhba3 eui.6fb1f42932886509000c29611f0dd617
[root@esx-01b:~]
30°C
Sunny
Search
15:42
24-12-2025


Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection
vmhol - Search
Lab Console - VMware Lab Platfor
chatgpt - Search
ChatGPT
https://labs.hol.vmware.com/HOL/console/NEE-7_8294_648168431/vm-81150120
VMWARE
HANDS-ON LABS
Harsh Pandey
VMware vSphere in VMware Cloud Foundation 9.0 - Advanced Topics (HOL-2637-02-...
Remaining 00:53:17
FINISH LAB
Dec 24 02:21
holuser@console: ~
vmhba3 eui.6fb1f42932886509000c29611f0dd617
[root@esx-01b:~] esxcli system tierdevice create -d /vmfs/devices/disks/eui.[Device_UID] ^C
[root@esx-01b:~] esxcli system tierdevice create -d /vmfs/devices/disks/eui.esxcli system tierdevice create -d /vmfs/devices/disks/eui.[Dev
ice_UID]
Error: Invalid option system
Usage: esxcli system tierdevice create [cmd options]
Description:
create Create a new tier device partition.
Cmd options:
-d|--nvmedevice=<str> Specifies the name of the NVMe device to be used for tiering (required)
[root@esx-01b:~] esxcli system tierdevice create -d /vmfs/devices/disks/eui.eui.6fb1f42932886509000c29611f0dd617
Incorrect device name or path
[root@esx-01b:~] esxcli system tierdevice create -d /vmfs/devices/disks/eui.6fb1f42932886509000c29611f0dd617
[root@esx-01b:~] esxcli system tierdevice list
DeviceName PartitionId StartSector EndSector
eui.6fb1f42932886509000c29611f0dd617 1 2048 12582878
[root@esx-01b:~] esxcli system settings kernel set -s MemoryTiering -v TRUE
[root@esx-01b:~] esxcli system settings advanced set -o /Mem/TierNvmePct -i 400
[root@esx-01b:~]
30°C
Sunny
Search
15:51
24-12-2025


Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection
vmhol - Search
Lab Console - VMware Lab Platfor
chatgpt - Search
ChatGPT
https://labs.hol.vmware.com/HOL/console/NEE-7_8294_648168431/vm-81150120
VMWARE
HANDS-ON LABS
Harsh Pandey
VMware vSphere in VMware Cloud Foundation 9.0 - Advanced Topics (HOL-2637-02-...
Remaining 00:52:07
FINISH LAB
Dec 24 02:22
holuser@console: ~
Error: Invalid option system
Usage: esxcli system tierdevice create [cmd options]
Description:
create Create a new tier device partition.
Cmd options:
-d|--nvmedevice=<str> Specifies the name of the NVMe device to be used for tiering (required)
[root@esx-01b:~] esxcli system tierdevice create -d /vmfs/devices/disks/eui.eui.6fb1f42932886509000c29611f0dd617
Incorrect device name or path
[root@esx-01b:~] esxcli system tierdevice create -d /vmfs/devices/disks/eui.6fb1f42932886509000c29611f0dd617
[root@esx-01b:~] esxcli system tierdevice list
DeviceName PartitionId StartSector EndSector
eui.6fb1f42932886509000c29611f0dd617 1 2048 12582878
[root@esx-01b:~] esxcli system settings kernel set -s MemoryTiering -v TRUE
[root@esx-01b:~] esxcli system settings advanced set -o /Mem/TierNvmePct -i 400
[root@esx-01b:~] ^C
[root@esx-01b:~] reboot
[root@esx-01b:~] Connection to esx-01b.site-b.vcf.lab closed by remote host.
Connection to esx-01b.site-b.vcf.lab closed.
holuser@console:~$
30°C
Sunny
Search
15:52
24-12-2025

Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection

vmhol - Search | Lab Console - VMware Lab Platfor | chatgpt - Search | ChatGPT

https://labs.hol.vmware.com/HOL/console/NEE-7_8294_648168431/vm-81150120

VMWARE
HANDS-ON LABS

Harsh Pandey

VMware vSphere in VMware Cloud F... Remaining 00:50:01 FINISH LAB

Manual Consoles Resources

26 / 155

Dec 24 02:24

File Edit View History Bookmarks Tools Help

vSphere - esx-01b.site-b.v | Passwords

vc-mgmt-b.site-b.vcf.lab/ui/app/host;nav=h/urn:vmomi:HostSystem:h

HOL Admin Region A Region B

vSphere Client Search in all environments

vc-mgmt-b.site-b.vcf.lab
dc-b
cluster-mgmt-01b
esx-01b.site-b...
esx-02b.site-b...
esx-03b.site-b...
esx-04b.site-b...
acct-web01
app01b
core-b

CPU 24.68 GHz free
0.52 GHz used 25.2 GHz capacity

Memory 83.32 GB free
12.68 GB used 96 GB capacity

Storage 3.2 TB free
318.4 GB used 3.52 TB capacity

VIEW STATS

Recent Tasks Alarms

REVIEW AND FINISH

This final page of the wizard is one last chance to review all the information you have provided. Feel free to review this information and compare your lab to the screenshot above.

1. Click **'FINISH'** when you are ready to complete the **Add Hosts** wizard.

30°C Sunny

Search

15:54 24-12-2025

Vmware-vm (2) - ec2-34-227-21-176.compute-1.amazonaws.com - Remote Desktop Connection

vmhol - Search | Lab Console - VMware Lab Platfor | chatgpt - Search | ChatGPT

https://labs.hol.vmware.com/HOL/console/NEE-7_8294_648168431/vm-81150120

VMWARE
HANDS-ON LABS

Harsh Pandey

VMware vSphere in VMware Cloud F... Remaining 00:49:44 FINISH LAB

End

Dec 24 02:24

Manual Consoles Resources

26 / 155

vSphere - esx-01b.site-b.v | Passwords

vc-mgmt-b.site-b.vcf.lab/ui/app/host;nav=h/urn:vmomi:HostSystem:h... 90%

HOL Admin Region A Region B

vSphere Client Search in all environments

vc-mgmt-b.site-b.vcf.lab
dc-b
cluster-mgmt-01b
esx-01b.site-b...
esx-02b.site-b...
esx-03b.site-b...
esx-04b.site-b...
acct-web01
app01b
core-b
ops-b
vc-mgmt-b

CPU 24.68 GHz free
0.52 GHz used 25.2 GHz capacity

Memory 83.32 GB free
12.68 GB used 96 GB capacity

Storage 3.2 TB free
318.4 GB used 3.52 TB capacity

VIEW STATS

DirectPath Profiles

Recent Tasks Alarms

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30°C Sunny

Search

15:54
24-12-2025