

LAB. 7

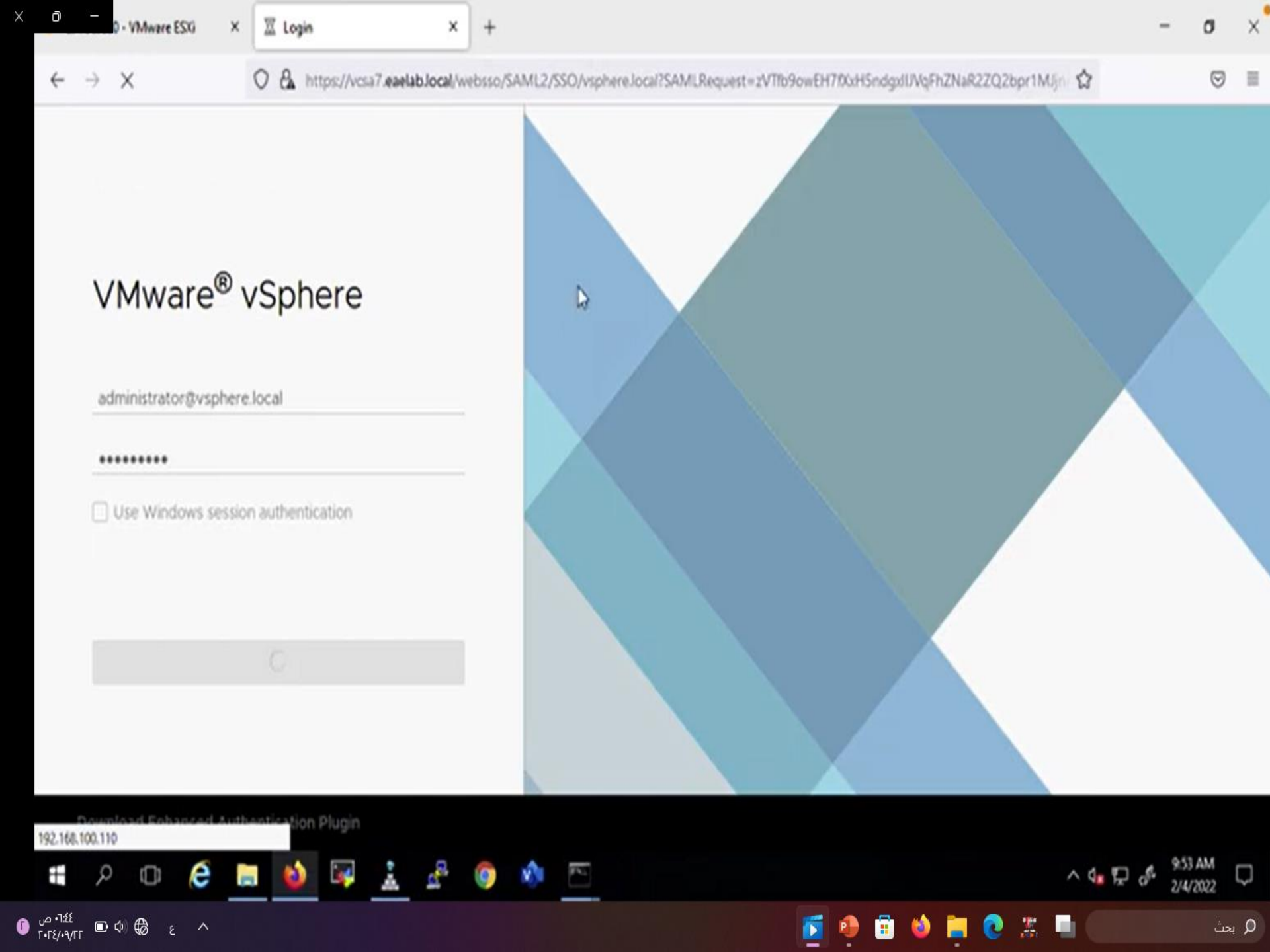
VMware vSphere

VMware vCenter Server

vCenter Server interface

Lecturer:

Eng. Asma'a Hassan



VMware® vSphere

administrator@vsphere.local

☐ Use Windows session authentication



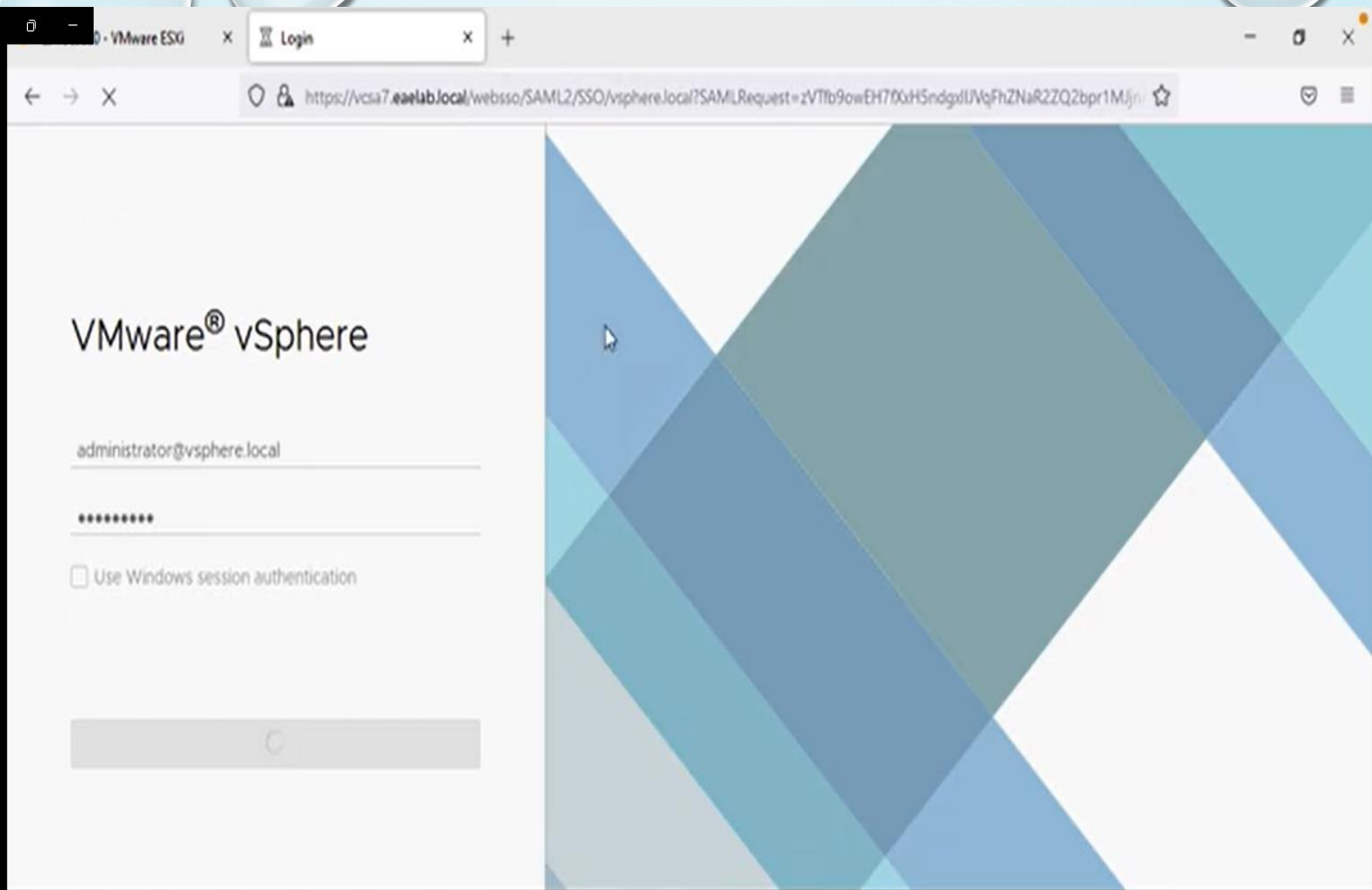
Download Enhanced Authentication Plugin

192.168.100.110



9:53 AM
2/4/2022





Download Enhanced Authentication Plugin
192.168.100.110





vcsa7.eaelab.local ACTIONS ▾

Summary

Monitor

Configure

Permissions

Datacenters

Hosts & Clusters

VMS

Datastores

Networks

Version:	7.0.2
Build:	18455184
Last Updated:	Feb 4, 2022, 9:49 AM
Last File-Based Backup:	Not scheduled

Clusters: 0
Hosts: 0
Virtual Machines: 0

CPU	Free: 0 Hz
Used: 0 Hz	Capacity: 0 Hz
Memory	Free: 0 B
Used: 0 B	Capacity: 0 B
Storage	Free: 0 B
Used: 0 B	Capacity: 0 B

Custom Attributes

Health Status

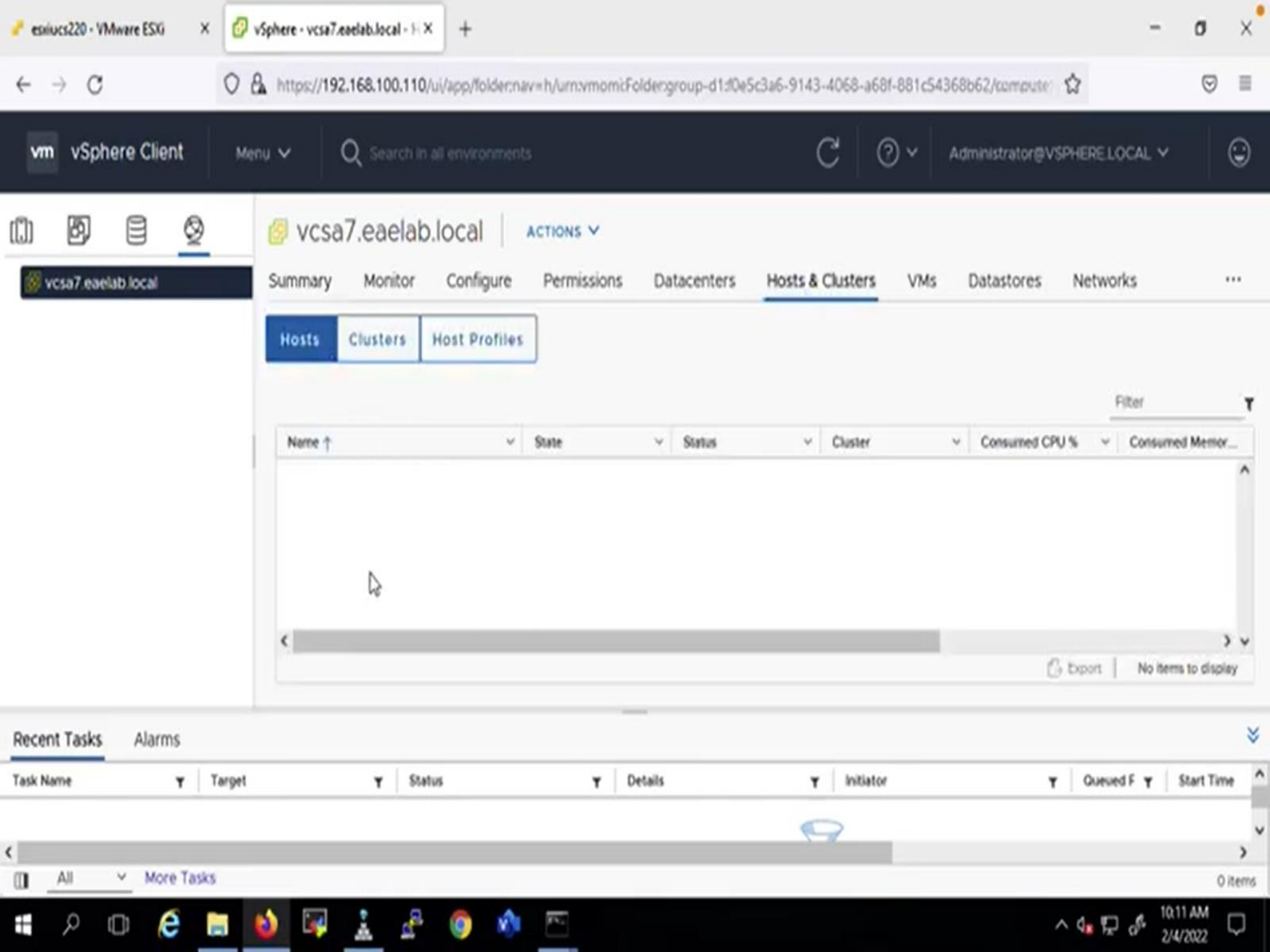
Recent Tasks Alarms

Task Name	Target	Status	Details	Initiator	Queued For	Start Time
-----------	--------	--------	---------	-----------	------------	------------

 All

 More Tasks

0 items



Name ↑	Status	Type	Datastore Clus...	Capacity	Free

Export | No items to display

Task Name	Target	Status	Details	Initiator	Queued F	Start Time
-----------	--------	--------	---------	-----------	----------	------------

Filter					
Name ↑	Type	Network Pr...	VMs	Hosts	VC
<div> <div> <div></div> <div></div> </div> <div> <div></div> <div></div> </div> <div> <div></div> <div></div> </div> <div> <div></div> <div></div> </div> <div> <div></div> <div></div> </div> <div> <div></div> <div></div> </div> </div>					
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esxiucs220 - VMware ESXi X vSphere - vcsa7.eaelab.local - X

https://192.168.100.110/ui/app/folder;nav=h/urn:vmomi:FolderGroup-d1d0e5c3a6-9143-4068-a68f-881c54368b62/networks/

vm vSphere Client

Menu Search in all environments Administrator@VSPHERE.LOCAL

Home ctrl + alt + home
Shortcuts ctrl + alt + 1
Hosts and Clusters ctrl + alt + 2
VMs and Templates ctrl + alt + 3
Storage ctrl + alt + 4
Networking ctrl + alt + 5
Content Libraries ctrl + alt + 6
Workload Management ctrl + alt + 7
Global Inventory Lists ctrl + alt + 8
Policies and Profiles
Auto Deploy
Hybrid Cloud Services
Developer Center
Administration
Tasks
Events
Tags & Custom Attributes
Lifecycle Manager

Permissions Datacenters Hosts & Clusters VMs Datastores Networks

Distributed Port Groups Uplink Port Groups

Filter

Type	Network Pr...	VMs	Hosts	VC
------	---------------	-----	-------	----

Export No items to display

Recent Tasks Alarms

Task Name	Details	Initiator	Queued F	Start Time
-----------	---------	-----------	----------	------------

0 Items

10:12 AM 2/4/2022

esluc220 - VMware ESX

vSphere - Roles

← → ↺ https://192.168.100.110/ui/app/admin/roles ☆

vm vSphere Client Menu Search in all environments Administrator@VSPHERE.LOCAL

Administration

Access Control

Roles

Global Permissions

Licensing

Licenses

Solutions

Client Plugins

vCenter Server Extensions

Deployment

System Configuration

Customer Experience Impr...

Client Configuration

Roles

Roles provider: VSPHERE.LOCAL

+

DESCRIPTION USAGE PRIVILEGES

Administrator

Full access rights

Read-only

No access

AppdApplianceUser

AutoUpdateUser

Content library administrator (sample)

Content Library Registry administrator (sample)

Datastore consumer (sample)

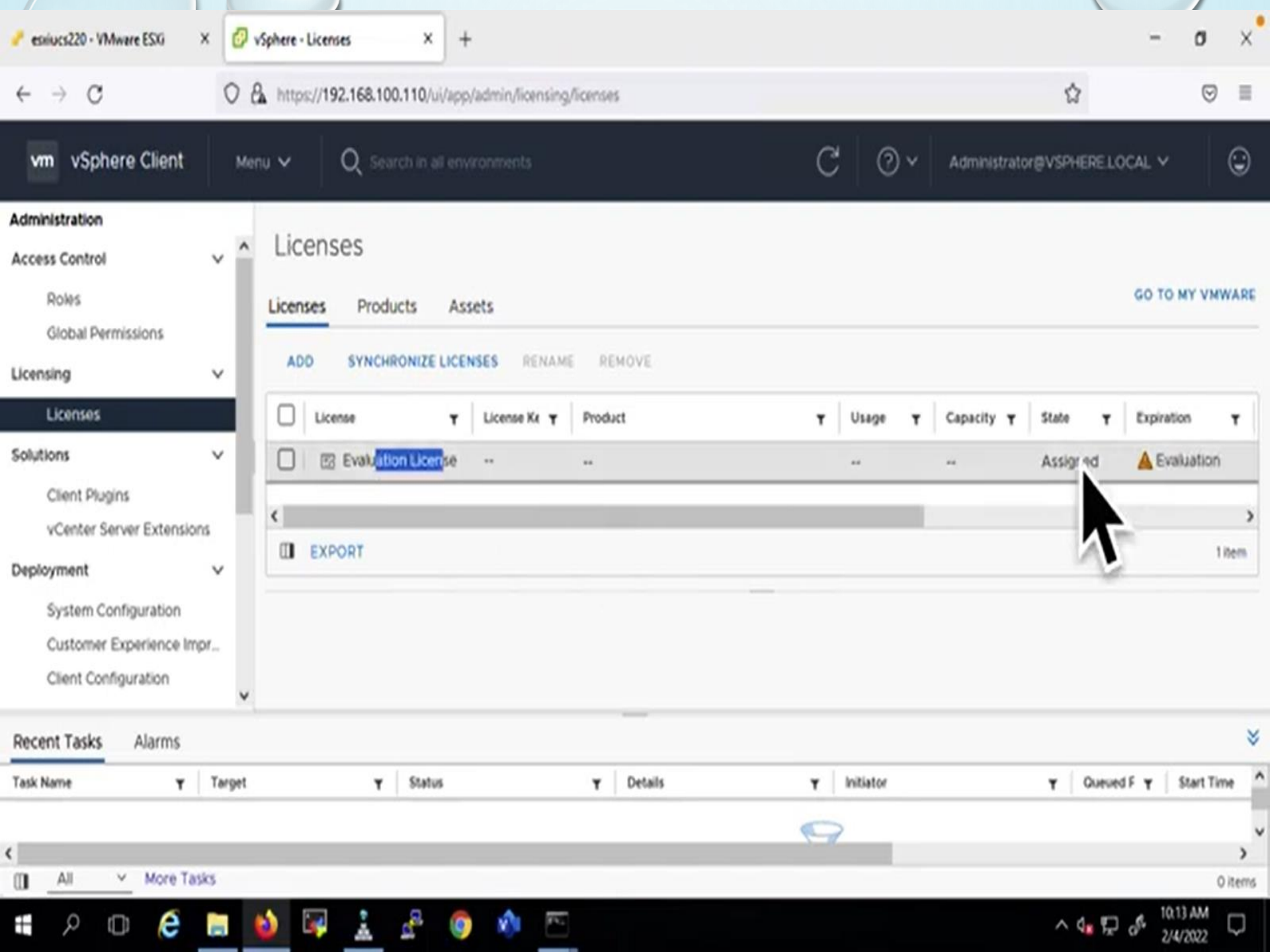
34 items

Recent Tasks Alarms

Task Name Target Status Details Initiator Queued F Start Time

More Tasks 0 items

10:13 AM 2/4/2022



Administration

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Global Permissions

Licensing

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Customer Experience Impr...

Client Configuration

Client Plugins

ENABLE

DISABLE

	Name	Version	Status	VMware Certified	Vendor	Description
	VMware Cloud Director Availability	0.4.2.0	Deployed / Enabled	No	VMware	VMware Cloud Director Availability
	vCenter Server Life-cycle Manager	1.0.0.0	Deployed / Enabled	No	VMware, Inc.	Life-cycle Management for vCenter Server
	VMware vRops Client Plugin	7.0.202.500	Deployed / Enabled	No	VMware, Inc.	VMware vRops Client Plugin
	VMware vSAN Plugin	7.0.202.500	Deployed / Enabled	No	VMware, Inc.	VMware vSAN Plugin

5 items

Recent Tasks

Alarms

Task Name	Target	Status	Details	Initiator	Queued F	Start Time
-----------	--------	--------	---------	-----------	----------	------------

Administration

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Client_Plugins

vCenter Server Extensions

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Customer Experience Impr...

Client Configuration

vCenter Server Extensions

Name ↑	vCenter Server	Vendor	Version
vService Manager	vcsa7.eselab.local	VMware Inc.	70.2
vSphere ESX Agent Manager	vcsa7.eselab.local	VMware Inc.	70.2


Export 2 items

Export | 2 items

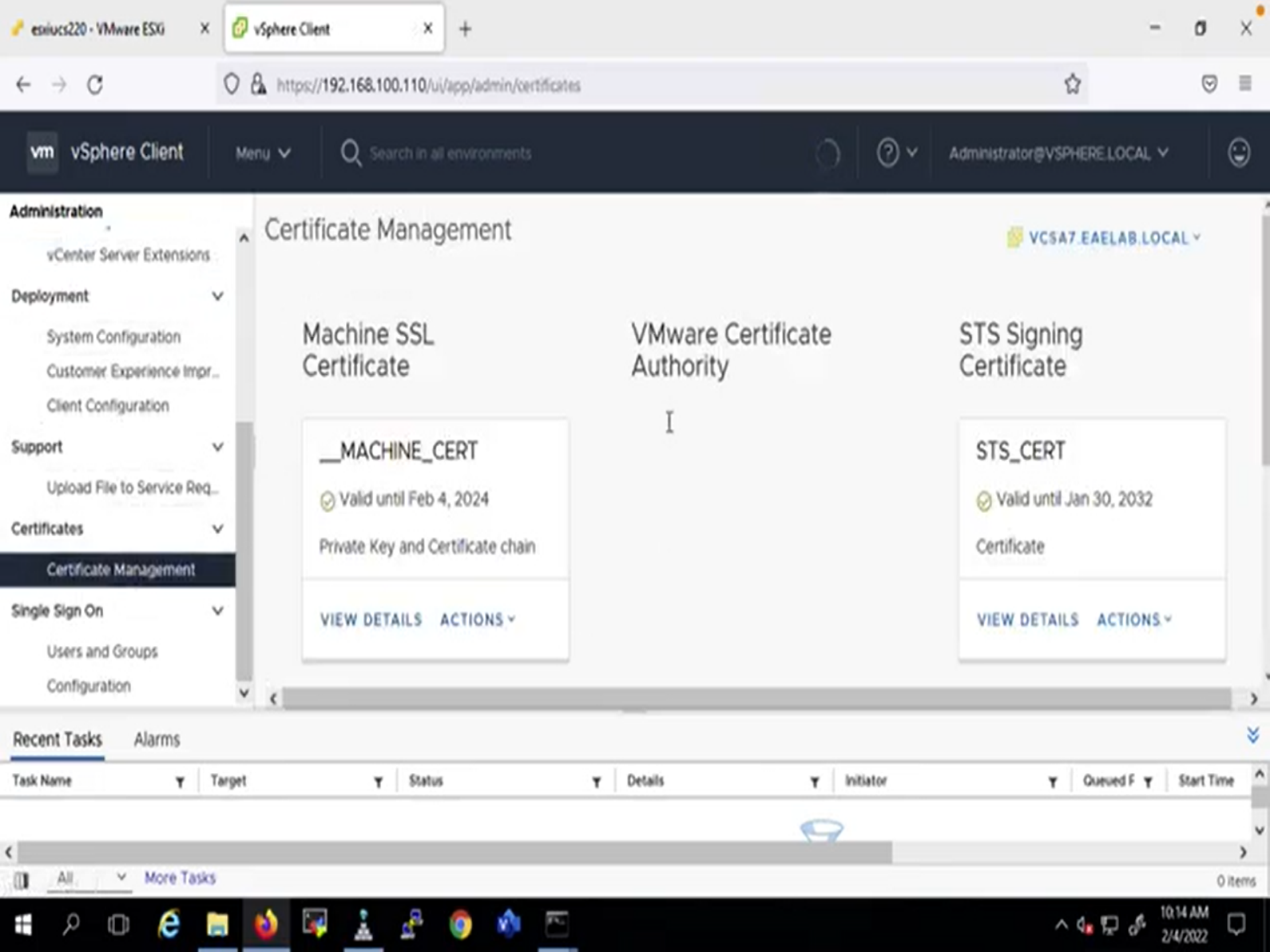
Recent Tasks

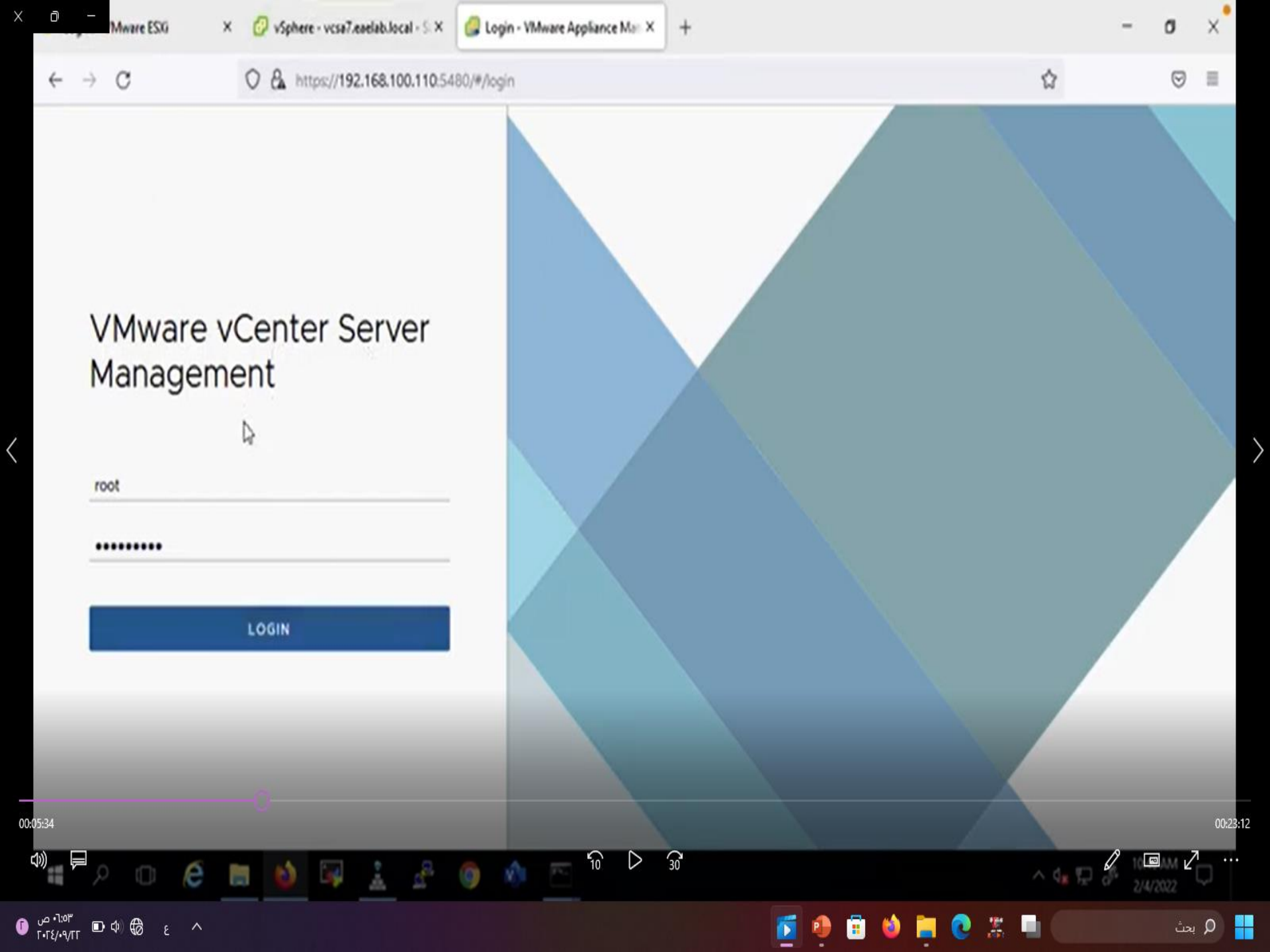
Alarms

Task Name	▼	Target	▼	Status	▼	Details	▼	Initiator	▼	Queued F	▼	Start Time
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 All  More Tasks

0 items





Summary

Monitor

Access

Networking

Firewall

Time

Services

Update

Administration

Syslog

Backup



Hostname: vcsa7.eaelab.local
Product: VMware vCenter Server
Version: 7.0.2.00500
Build number: 18455184

Health Status

Overall Health	✓ Good (Last checked Feb 4, 2022, 10:32:31 AM)
CPU	✓ Good
Memory	✓ Good
Database	✓ Good
Storage	✓ Good
Swap	✓ Good

Single Sign-On

Domain	vsphere.local
Status	Running

VMware ESX Login - VMware Appliance Manager

https://vcsa7-aaalab.local/webssso/SAML2/SSO/vsphere.local?SAMLRequest=zVRbbSswFH7lr0B%28DzaUkdRqUmXNqIXqISvZNC

VMware® vSphere

administrator@vsphere.local

.....

☐ Use Windows session authentication

LOGIN

Download Enhanced Authentication Plugin



https://192.168.100.110:5480/#/ui/services



vmw vCenter Server Management

Fri 02-04-2022 07:50 AM UTC

English ▾

Help ▾

Actions ▾

root ▾

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RESTART START STOP SET STARTUP TYPE

	Name	Startup Type	Health	State
<input type="radio"/>	Appliance Management Service	Automatic	Healthy	Started
<input type="radio"/>	Auto Deploy	Manual		Stopped
<input type="radio"/>	Content Library Service	Automatic	Healthy	Started
<input type="radio"/>	Envoy Sidecar Proxy	Automatic	Healthy	Started
<input type="radio"/>	Hybrid vCenter Service	Automatic	Healthy	Started
<input type="radio"/>	ImageBuilder Service	Manual		Stopped
<input type="radio"/>	License Service	Automatic	Healthy	Started
<input type="radio"/>	Service Control Agent	Automatic	Healthy	Started
<input type="radio"/>	vAPI Endpoint	Automatic	Healthy	Started
<input type="radio"/>	vCenter Server Profiles	Automatic	Healthy	Started
<input type="radio"/>	VMware Analytics Service	Automatic	Healthy	Started
<input type="radio"/>	VMware Appliance Monitoring Service	Automatic	Healthy	Started



10:51 AM
2/4/2022

بحث



https://192.168.100.110:5480/#/ui/monitor/cpuandmem



vmw vCenter Server Management

Fri 02-04-2022 07:53 AM UTC

English ▾

Help ▾

Actions ▾

root ▾

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CPU & Memory

Disks

Network

Database

Feb 4, 2022, 09:53:59 AM - Feb 4, 2022, 10:53:59 AM

Last hour ▾



CPU



Memory



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Access Settings

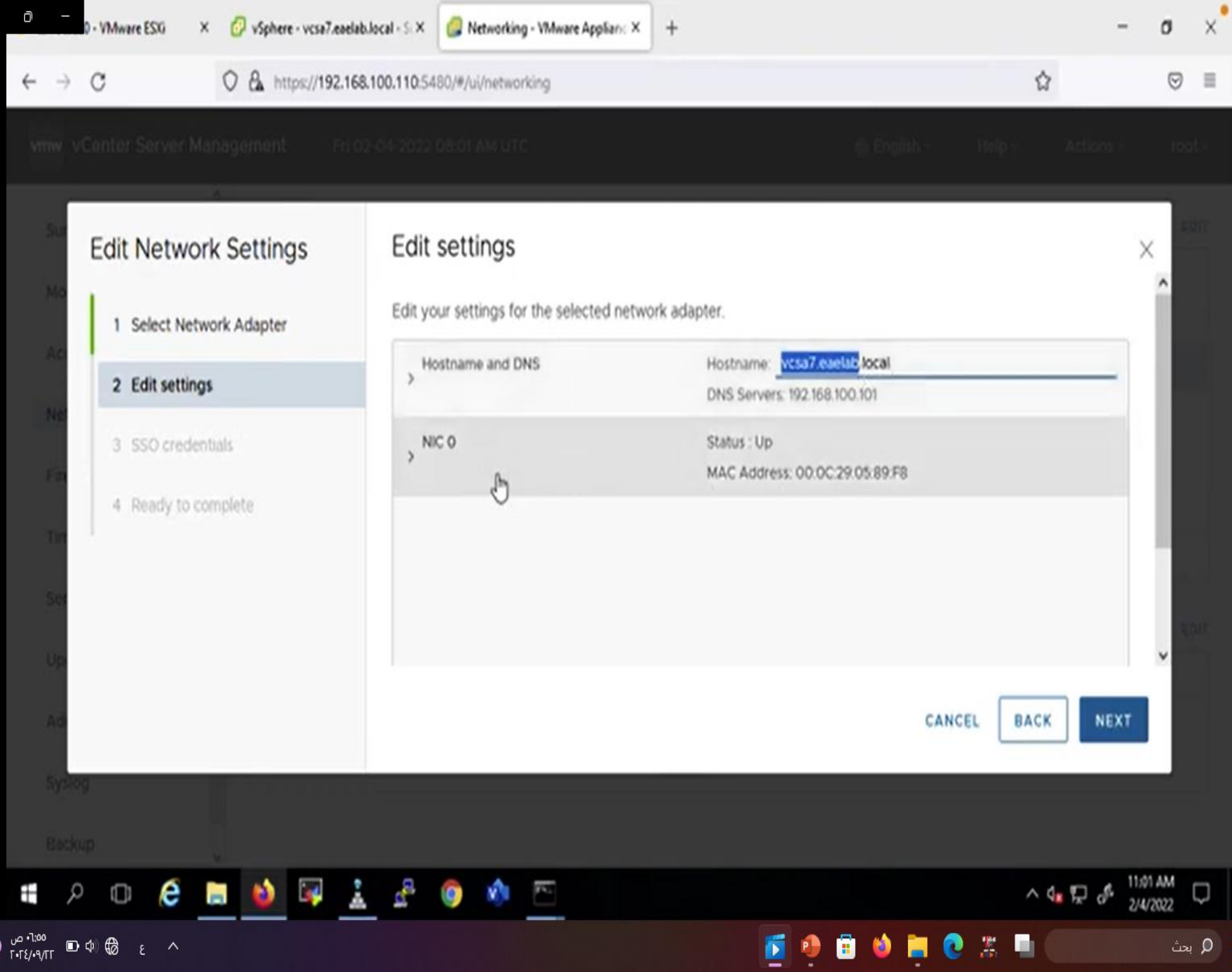
EDIT

SSH Login	Enabled
DCLI	Enabled
Console CLI	Enabled
Bash Shell	Disabled

10:59 AM
2/4/2022

بحث





VMware ESXi

vSphere - vcsa7.easlab.local - S: X

Monitor - VMware Appliance M X

+

← → ↺

https://192.168.100.110:5480/#/ui/monitor/database

☆

🛡️ ☰

vmw vCenter Server Management

Fri 02-04-2022 07:58 AM UTC

English ▾

Help ▾

Actions ▾

root ▾

Summary

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CPU & Memory

Disks

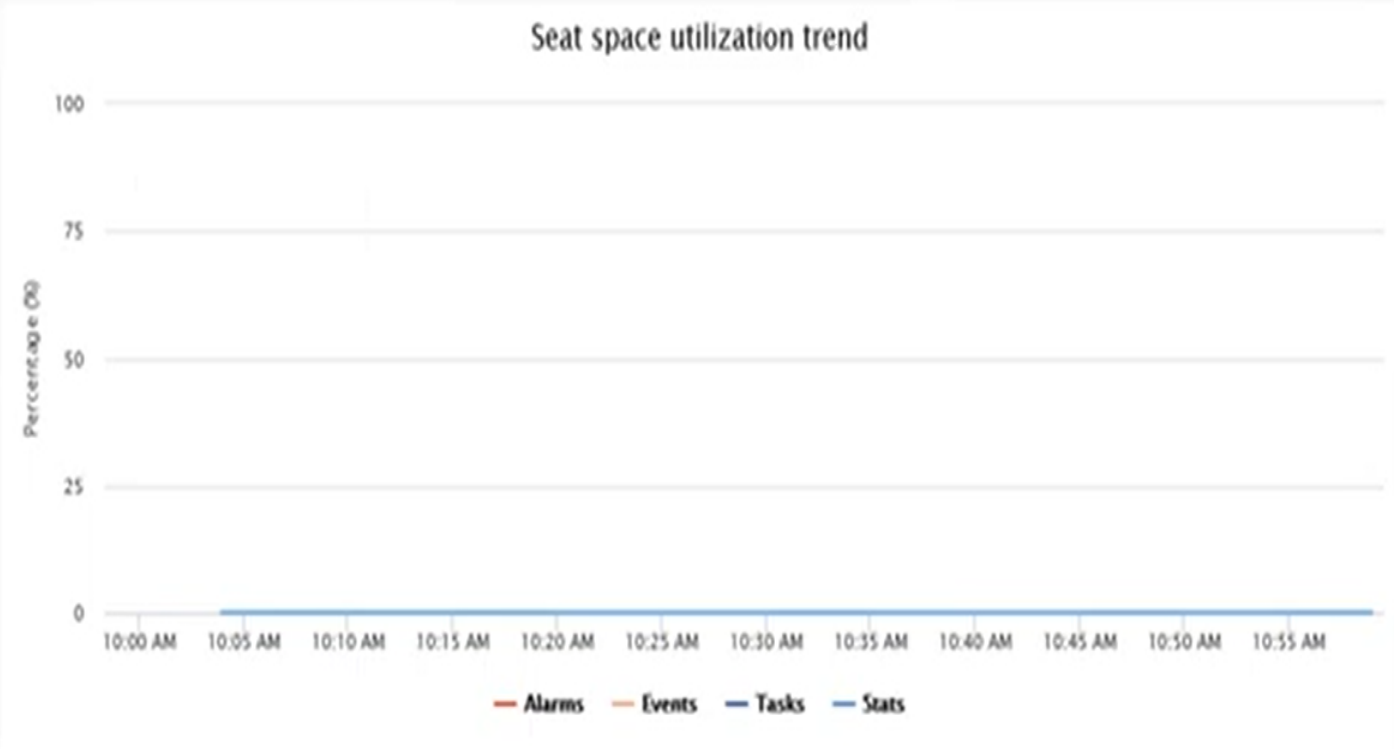
Network

Database

Feb 4, 2022, 09:58:57 AM - Feb 4, 2022, 10:58:57 AM

Last hour ▾ ↺

Seat space utilization trend



— Alarms — Events — Tasks — Stats

https://192.168.100.110:5480/#/ui/monitor

Windows Taskbar

10:59 AM 2/4/2022

🔍 بحث

Firewall

ADD EDIT DELETE REORDER

Order	Network Interface	IP Address	Action
 <p>No firewall rules found</p>			
			0 rules

Summary

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① Prior to setting up the forwarding configuration, remote syslog server(s) must be configured and a network connection must exist between the vCenter server and syslog server(s) to enable log streaming.

Forwarding Configuration ④

CONFIGURE

Remote Syslog Host	Protocol	Port	Connection Status
 No items to display			

Summary

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Backup

Before taking a backup, a backup server must be set up and configured such that the vCenter server has access to it. The protocols supported for backup are FTPS, HTTPS, SFTP, FTP, NFS, SMB and HTTP.

Backup Schedule

CONFIGURE

Status

Not configured

Activity

BACKUP NOW

Backup Location	Type	Status	Data Transferred	Duration	End Time
No items to display					



انتهى العمل السابع