FastNAC

INSTALLATION GUIDE

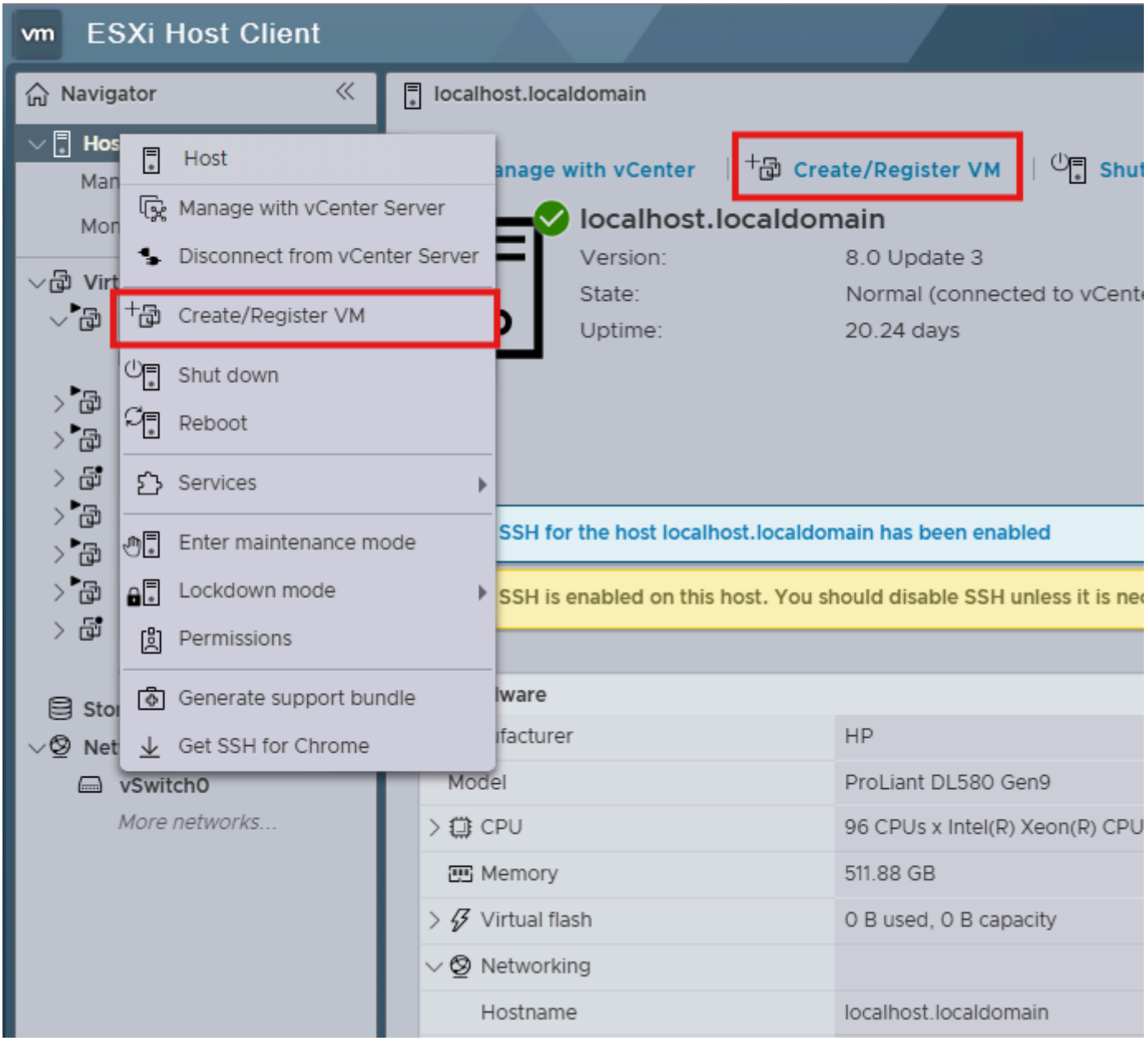
Contents;

1. Deploying to VMware ESXi Environment

FastNAC installation , the OVA file must be deployed to the virtualization environment as shown in the images below .

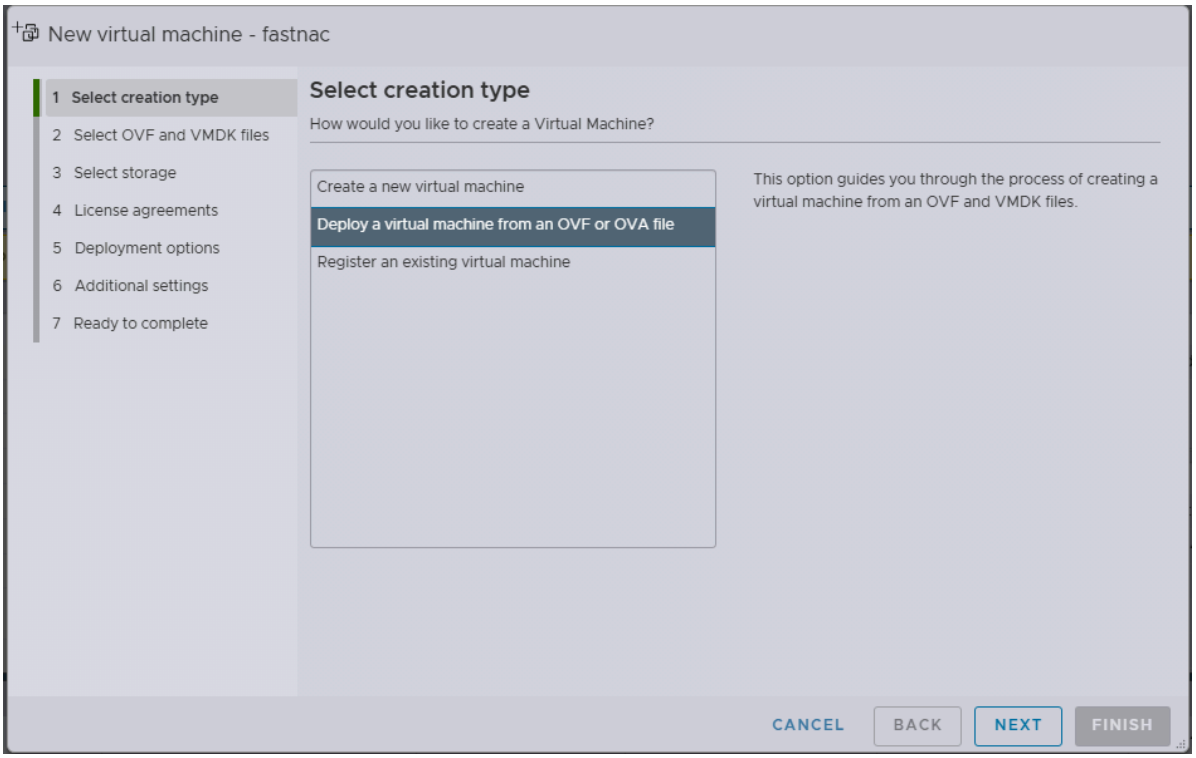
1.1) Creating a Virtual Server

logging into the virtualization environment , click the " **Create/Register VM** " option on the main screen . (This option can also be accessed by right-clicking on the " **Host " section in the left-hand menu** .)



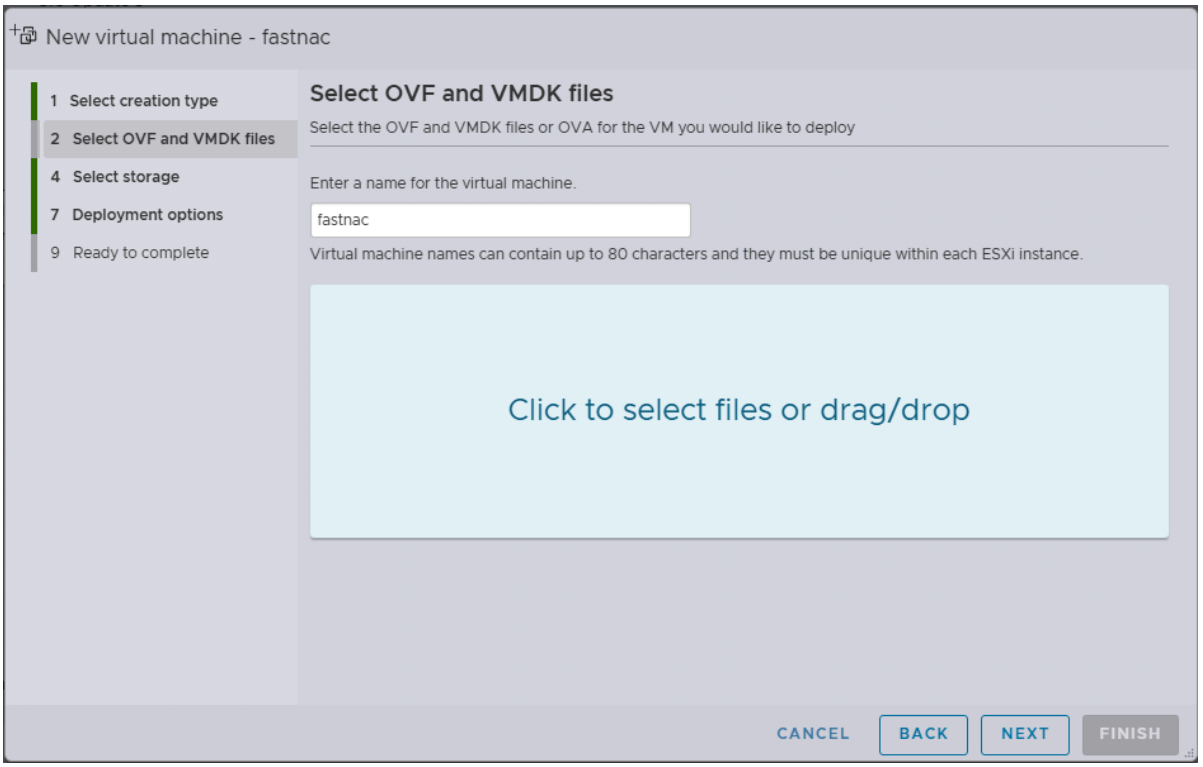
1.2) Selecting the Server Type

On the screen that appears, select the " **Deploy a virtual machine from an OVF or OVA file** " option and click the " **Next** " button .



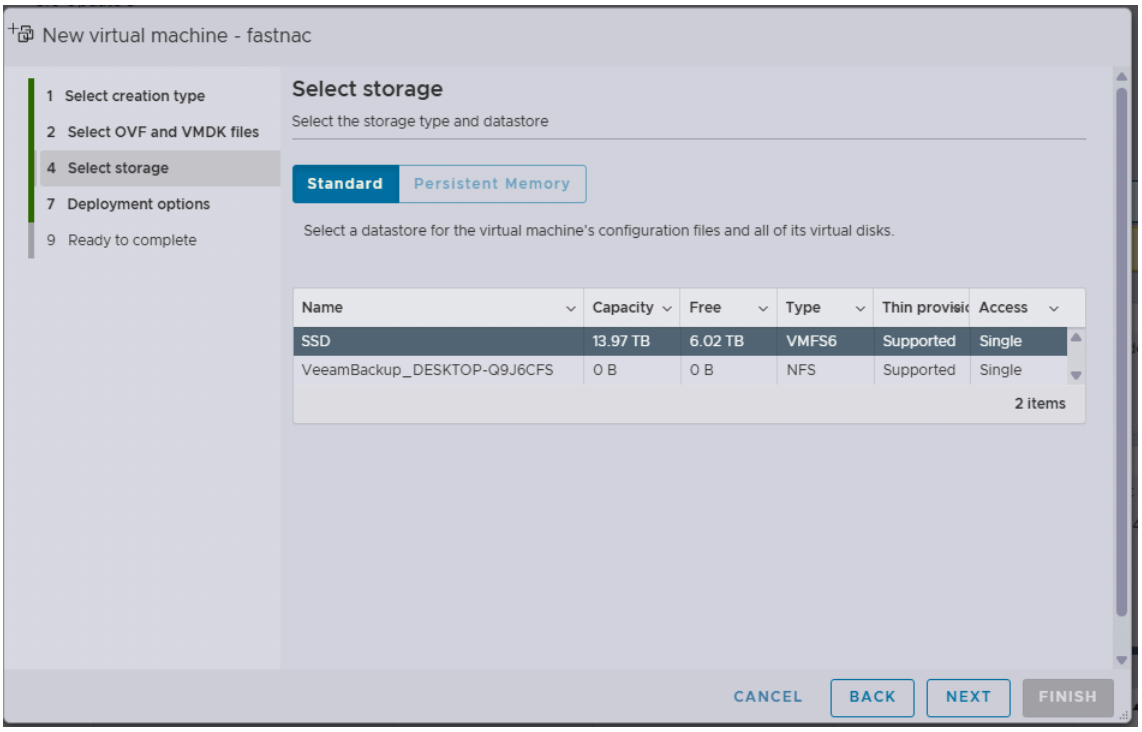
1.3) Selecting the OVA File

On the screen that appears, you need to give the FastNAC virtual machine a name and select the OVA file by dragging and dropping it into the " **Click to select files or drag/drop " section, or by clicking on it.**



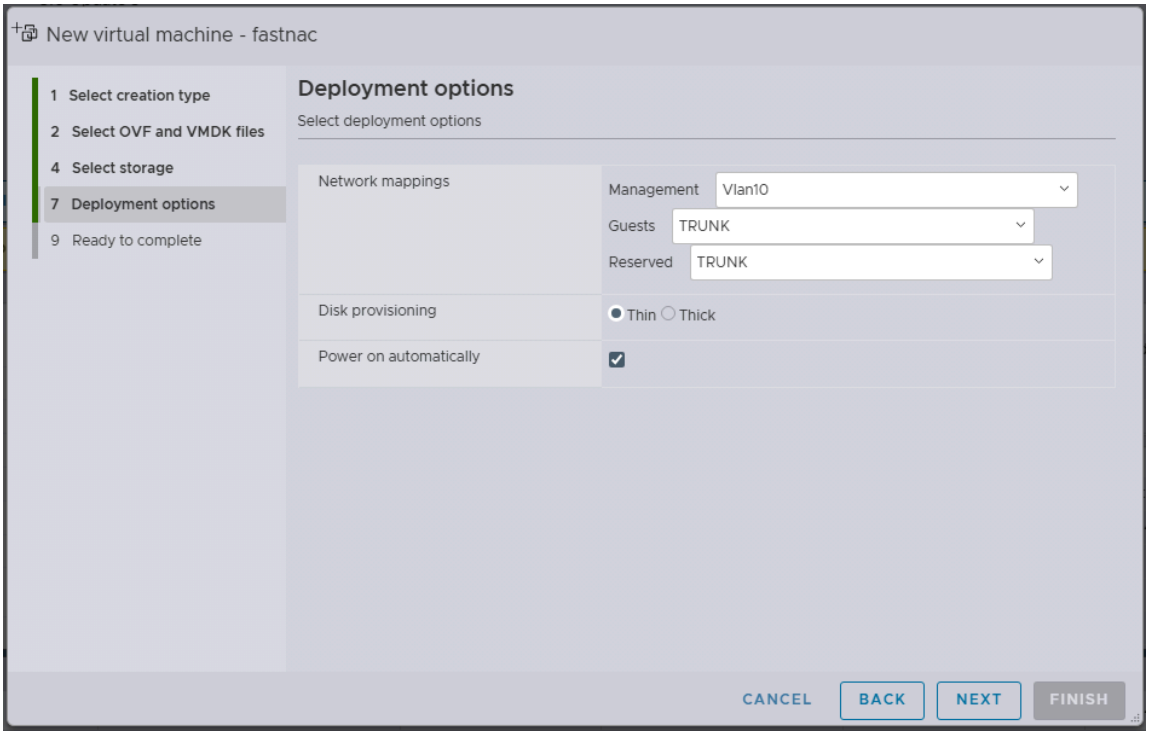
1.4) Selecting Disk Space

On the next screen, after selecting the storage partition where you want to deploy FastNAC, click the " **Next " button.**



1.5) Deployment Features

In the " **Deployment options** " section ;



FastNAC comes with three network interfaces by default: **Management, Guests, and Reserved** . These interfaces are required according to FastNAC's deployment model.

> Management - FastNAC is managed via the web interface using this IP address (or FQDN if an A-record is entered). Additionally, FastNAC communicates with all peripheral components (switches, computers, printers, etc.) through this interface.
> Guests - This is a required network card for the Hotspot module. It initially appears as "Not Connected".
> Reserved - This network card is the third network card of the FastNAC and is in a reserved state. It initially appears as "Not Connected".

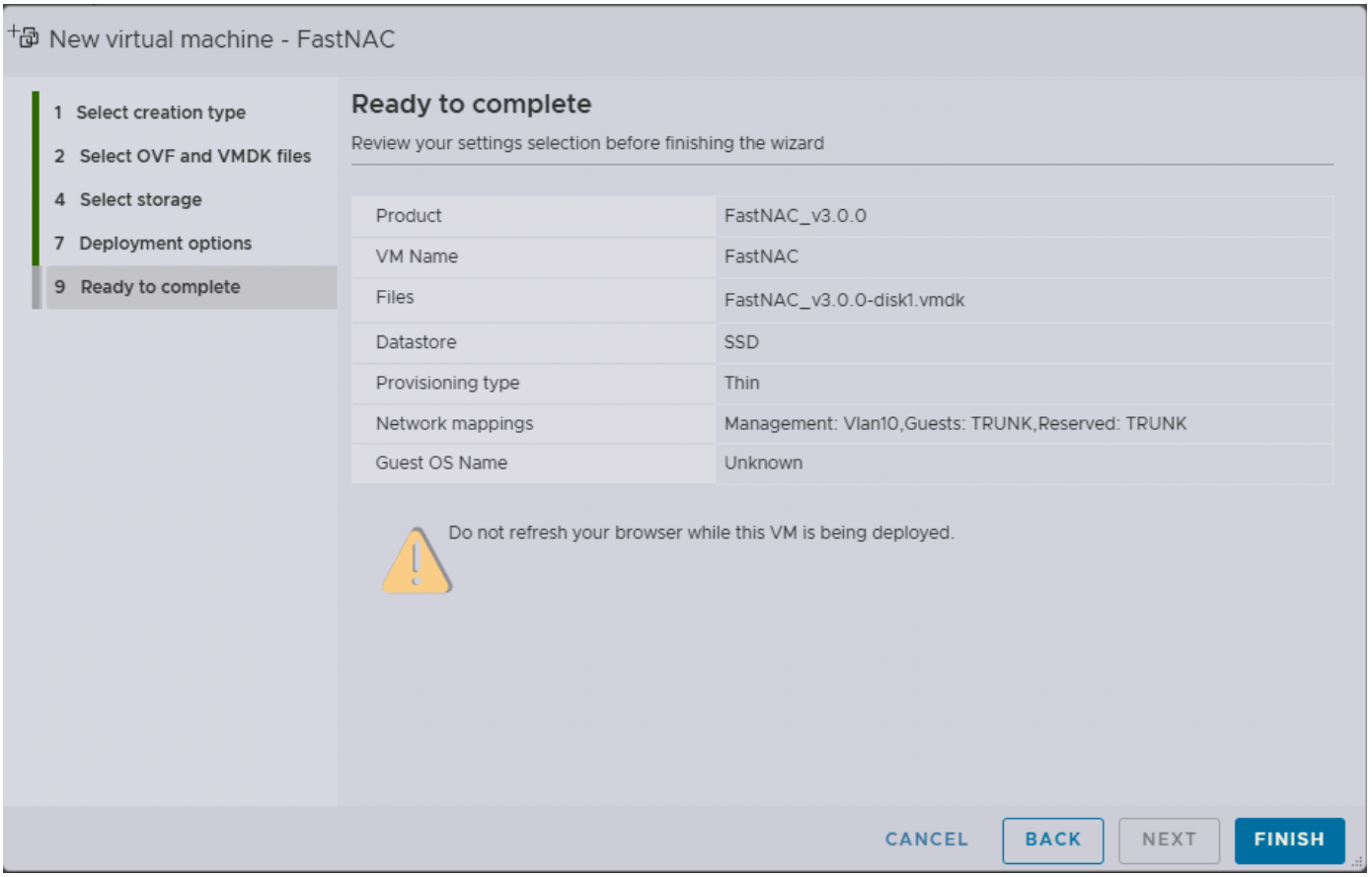
- The " **Disk provisioning** " section is set to **"Thin"** .

- The " **Power on automatically** " option is checked.

you proceed to the next step by clicking the " **Next " button.**

1.6) Completion of the Deployment Process

Once all steps are completed, the deployment process is finalized by clicking the " **Finish** " button.

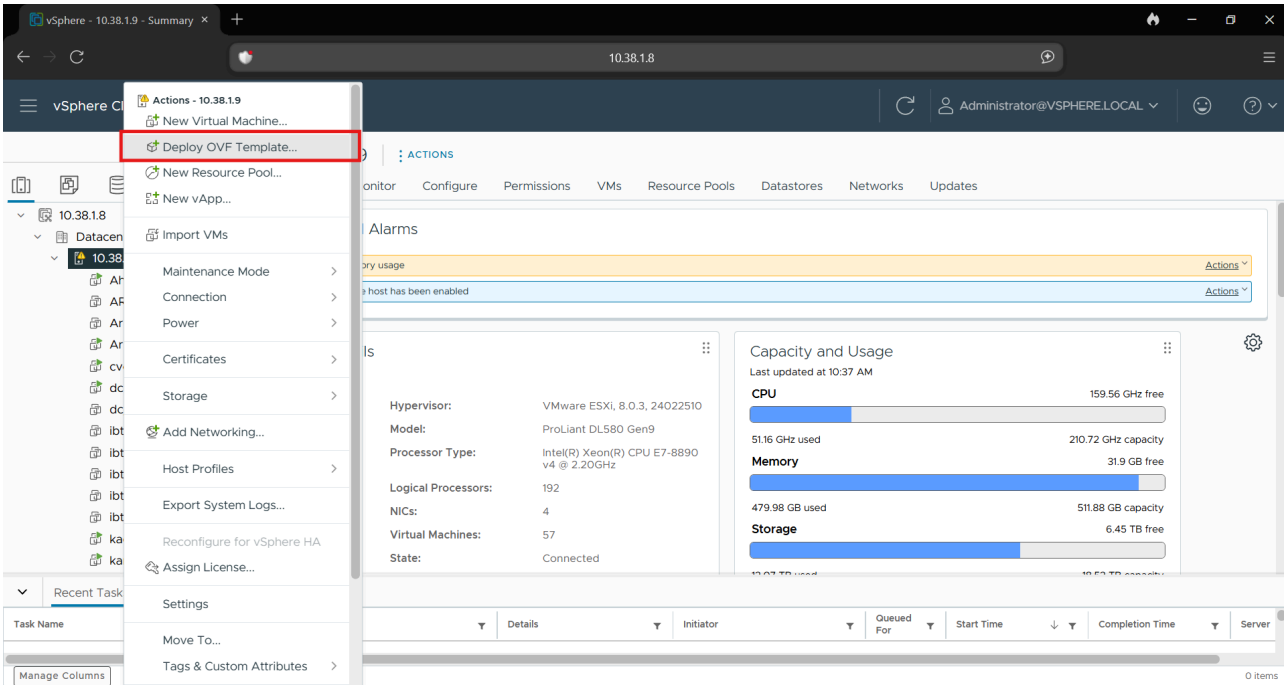


2. Deployment to VMware vCenter Environment

For FastNAC installation, the OVA file must be deployed to the vCenter environment as shown in the images below.

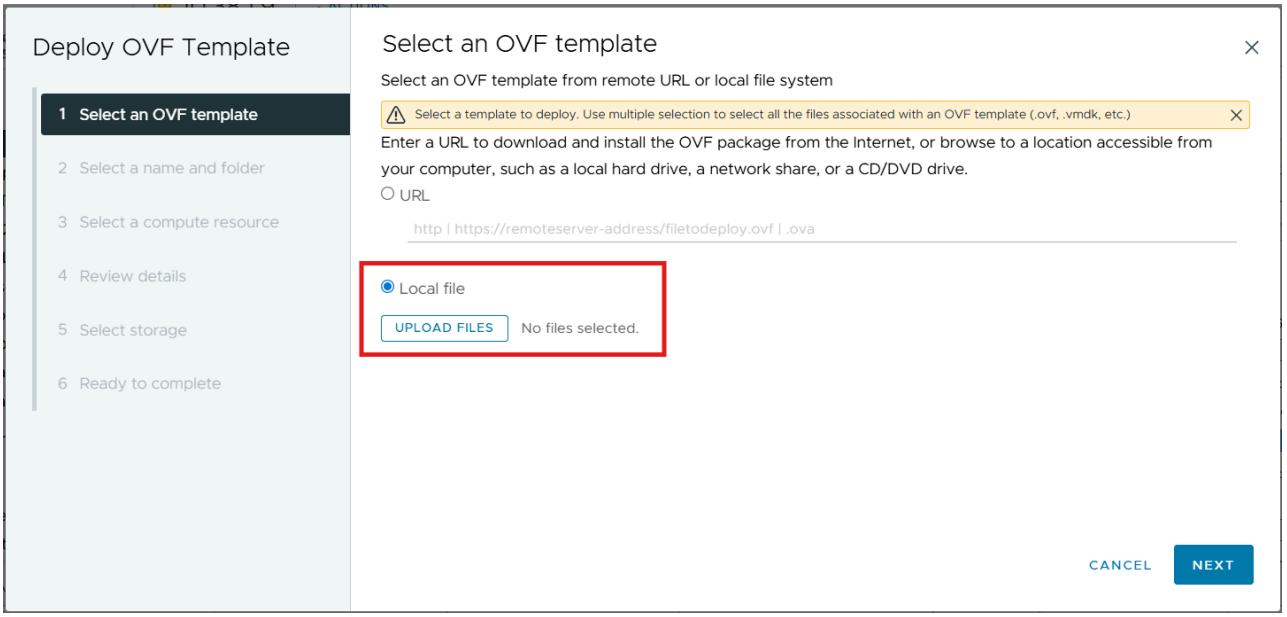
2.1) Deploy OVF Template

After logging into the vCenter environment, right-click on the server and select " **Deploy OVF Template... ".**



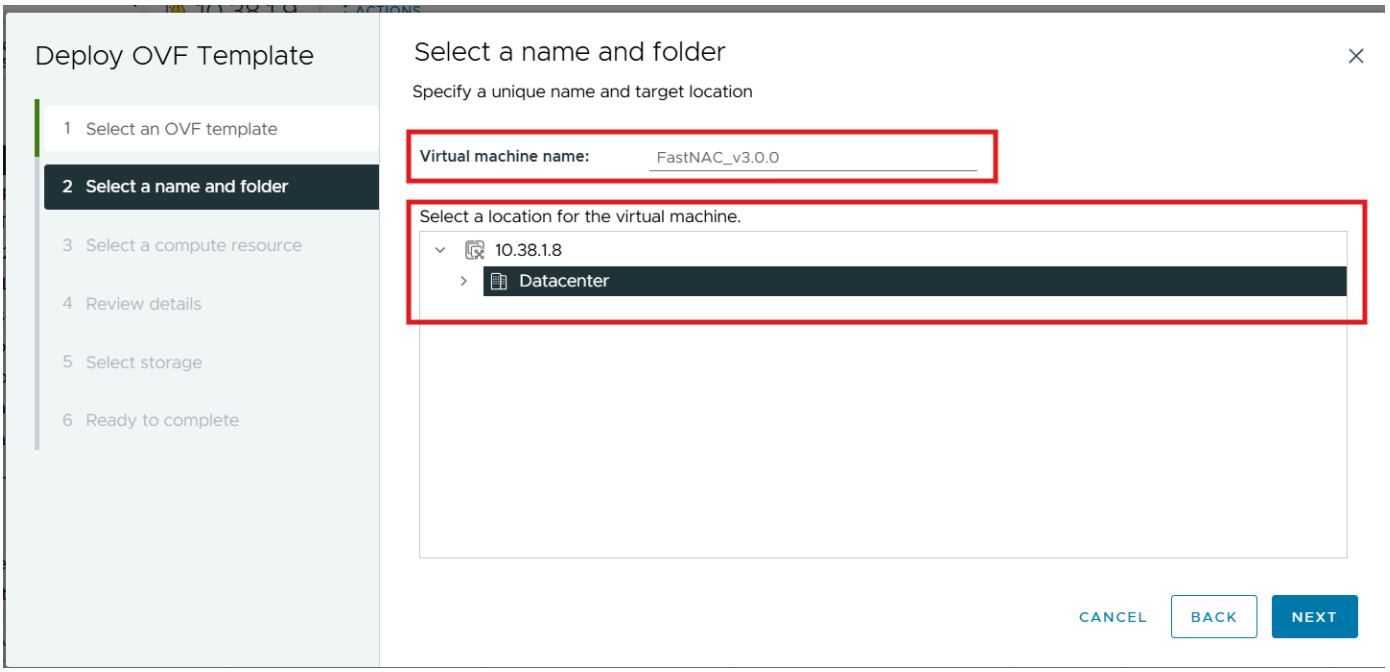
2.2) OVA File Selection

In the window that opens, " **Local** By selecting the **"File** " option, **you can upload it .** Click the " **Files " button, select the downloaded FastNAC OVA file, and proceed by clicking the " Next** " button;



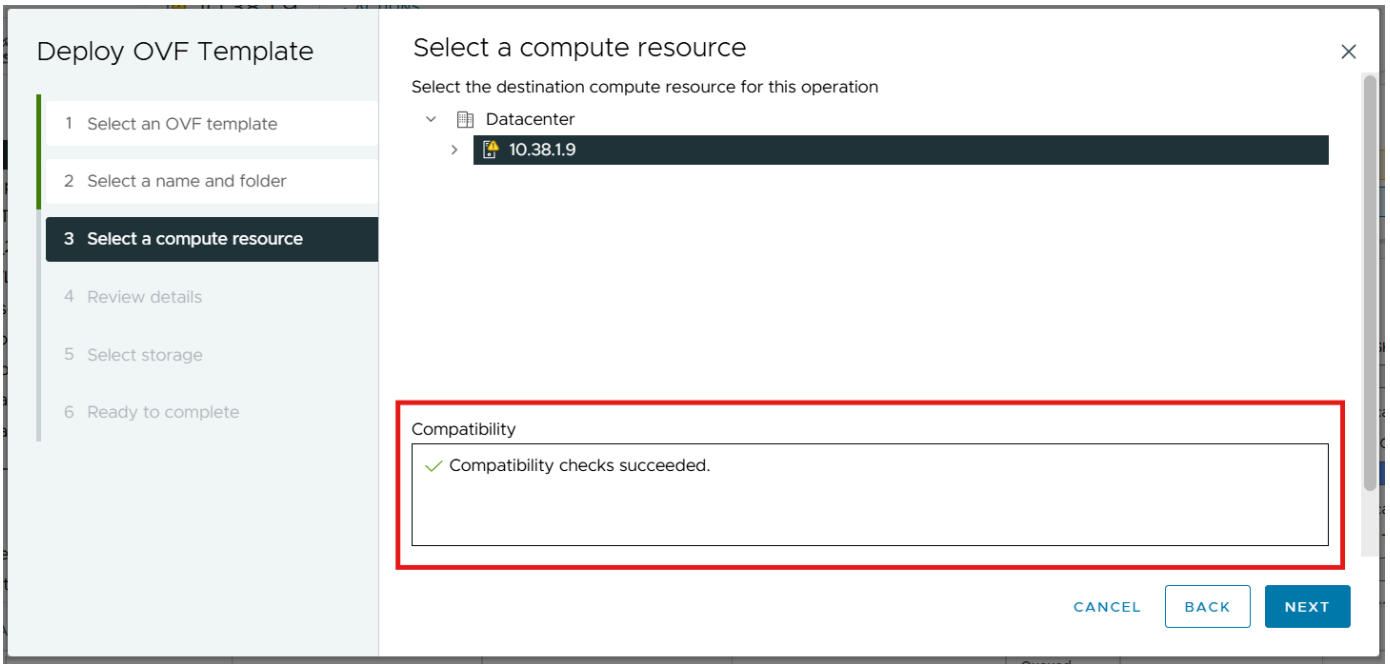
2.3) Choosing a Name and Upload Location

In the next window, you can choose a name and select the installation location, then proceed with the " **Next " button.**



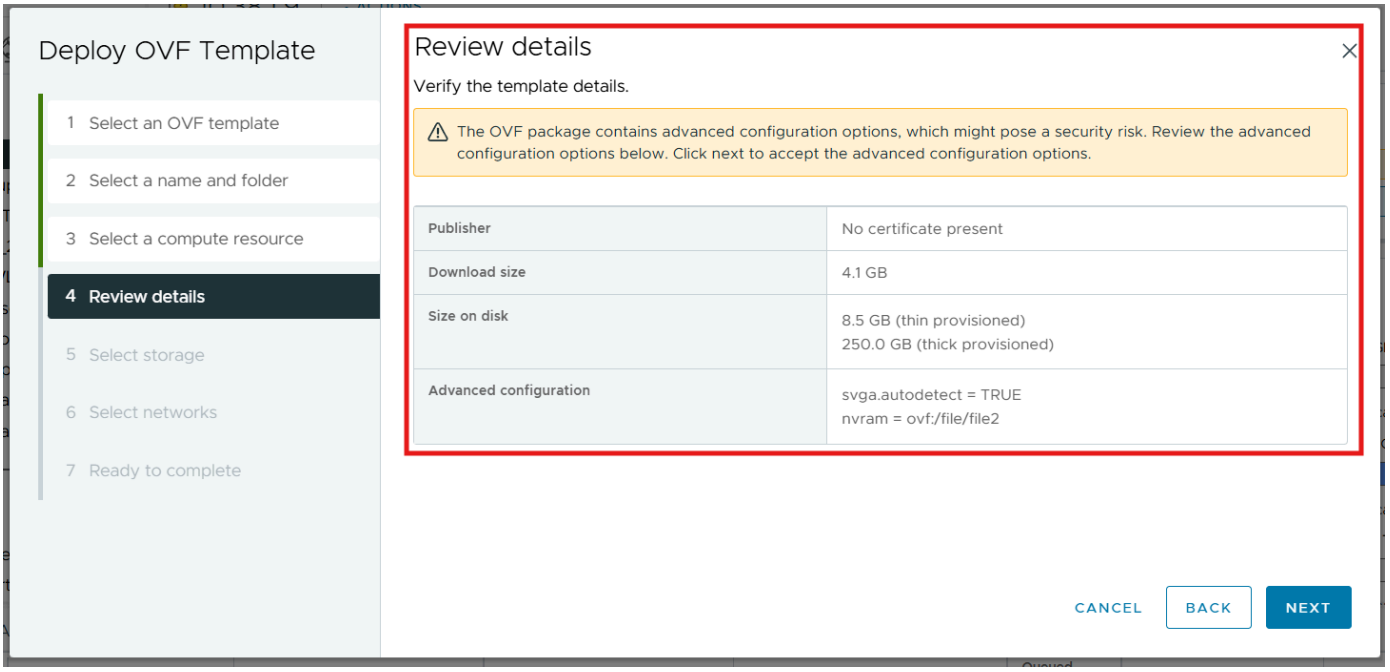
2.4) Compliance Checks

The next window checks the compatibility of the FastNAC OVA file. You can skip this step by clicking " **Next** ".



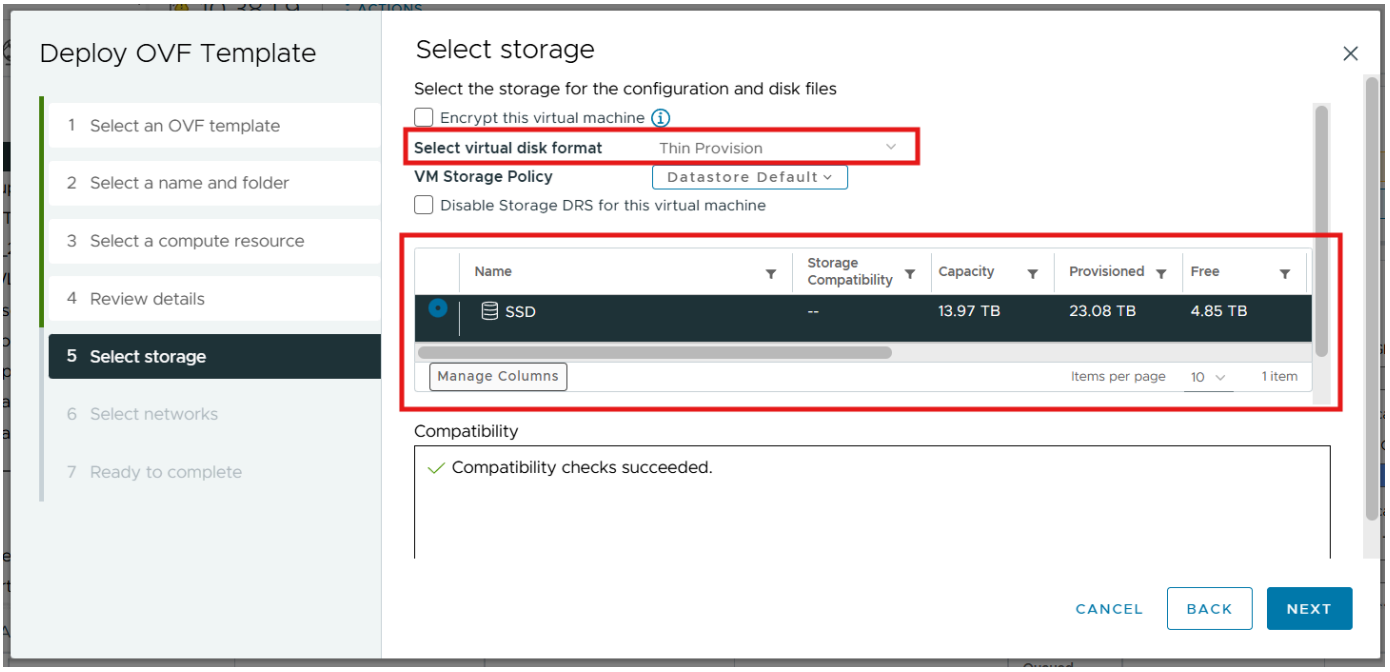
2.5) Adjustment Controls

In the next window, you can see a general summary of the settings up to this point. You can proceed by clicking " **Next** ".



2.6) Disk Selection

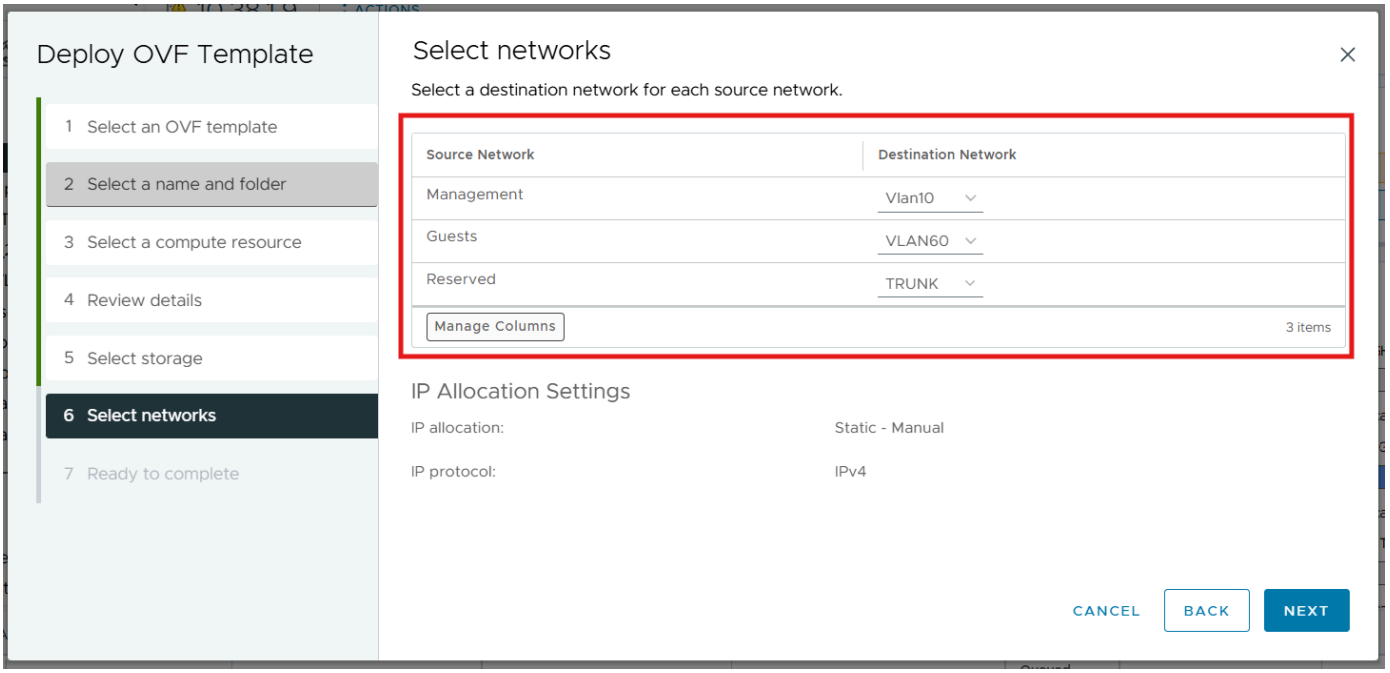
In the next window, information about the disk on which FastNAC will be installed is entered;



Here, the " **Select virtual disk format** " section should be set to " **Thin Provision** ". Then, select the datastore disk partition where it will be installed and proceed with " **Next ".**

2.7) Network Card Settings

The next window is where FastNAC's network card settings are configured;

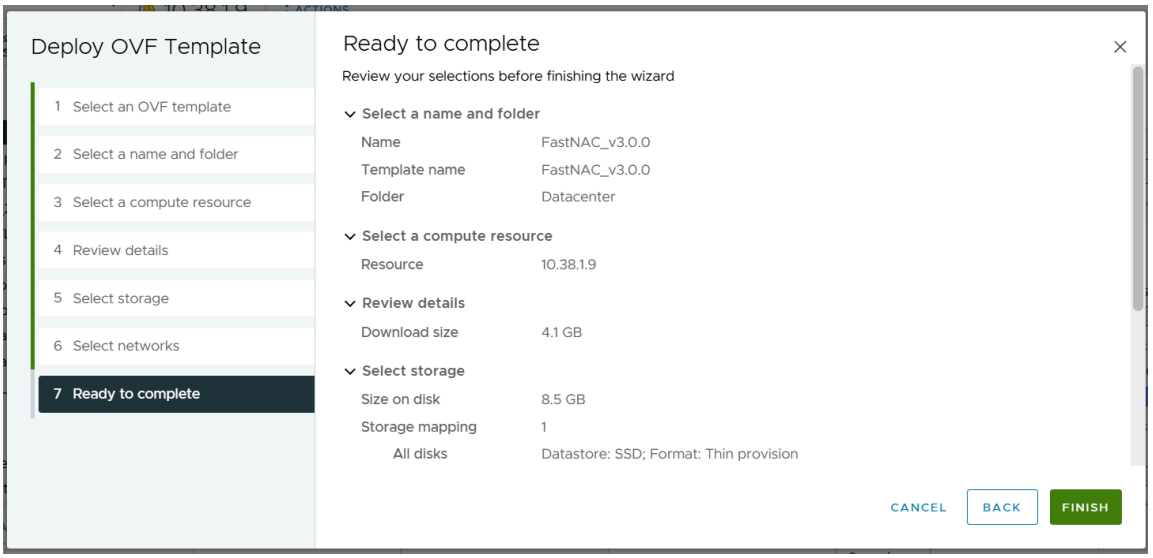


- Management - The network card is the management network for FastNAC. It must be selected as the VLAN network to which FastNAC will be assigned an IP address.
- Guests - This is a required network card for the Hotspot module. It initially appears as "Not Connected".
- Reserved - This network card is the 3rd network card of the FastNAC and is in a reserved state. It initially appears as "Not Connected".

After making the necessary settings, click " **Next** " to proceed to the next step.

2.8) Initiating the Deployment Process

The next window displays a summary of all the settings made. The deployment process is started with the " **Finish " button;**

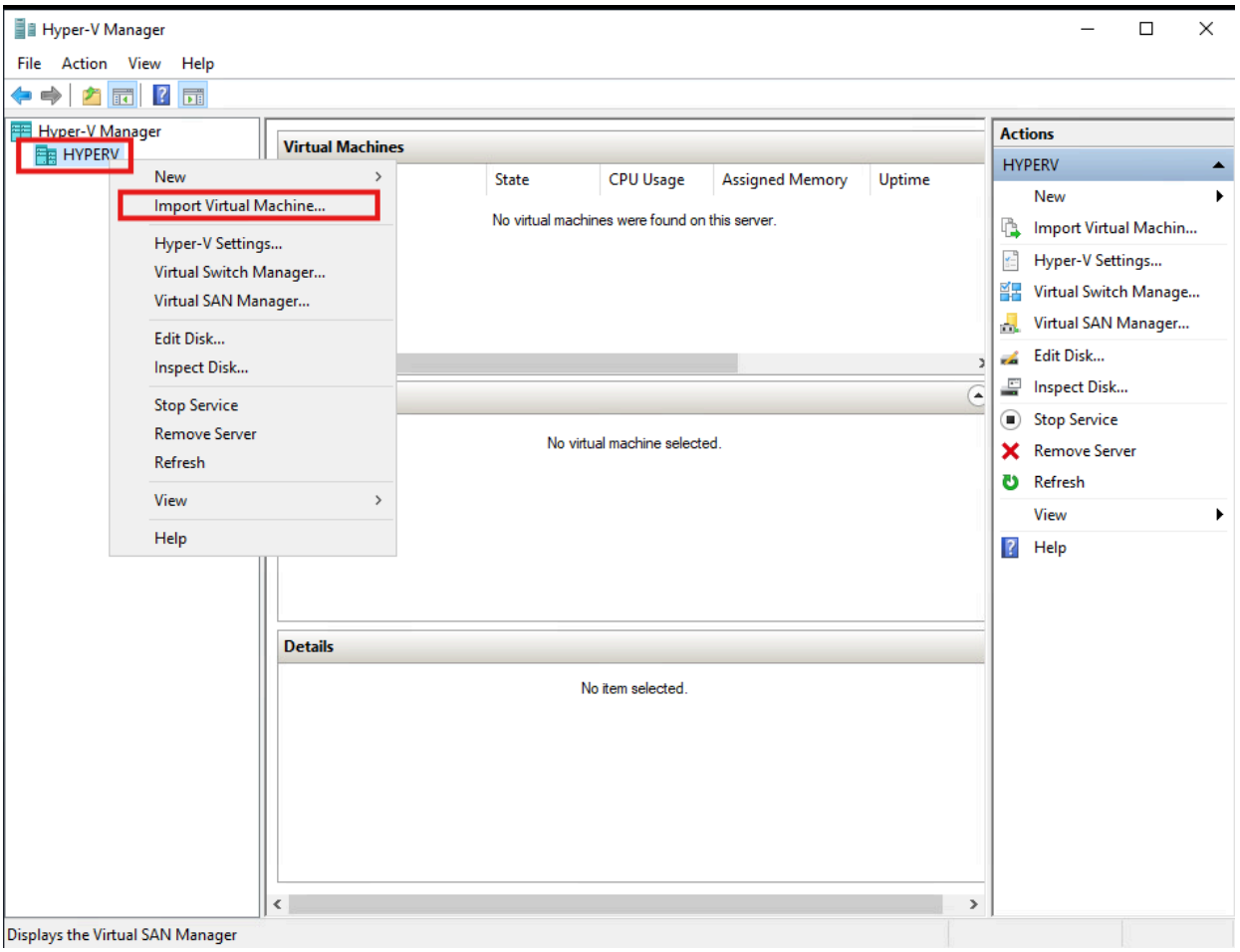


3. DEPLOYMENT TO HYPER-V ENVIRONMENT

For FastNAC installation, the VHD file must be deployed to the Hyper-V environment as shown in the images below.

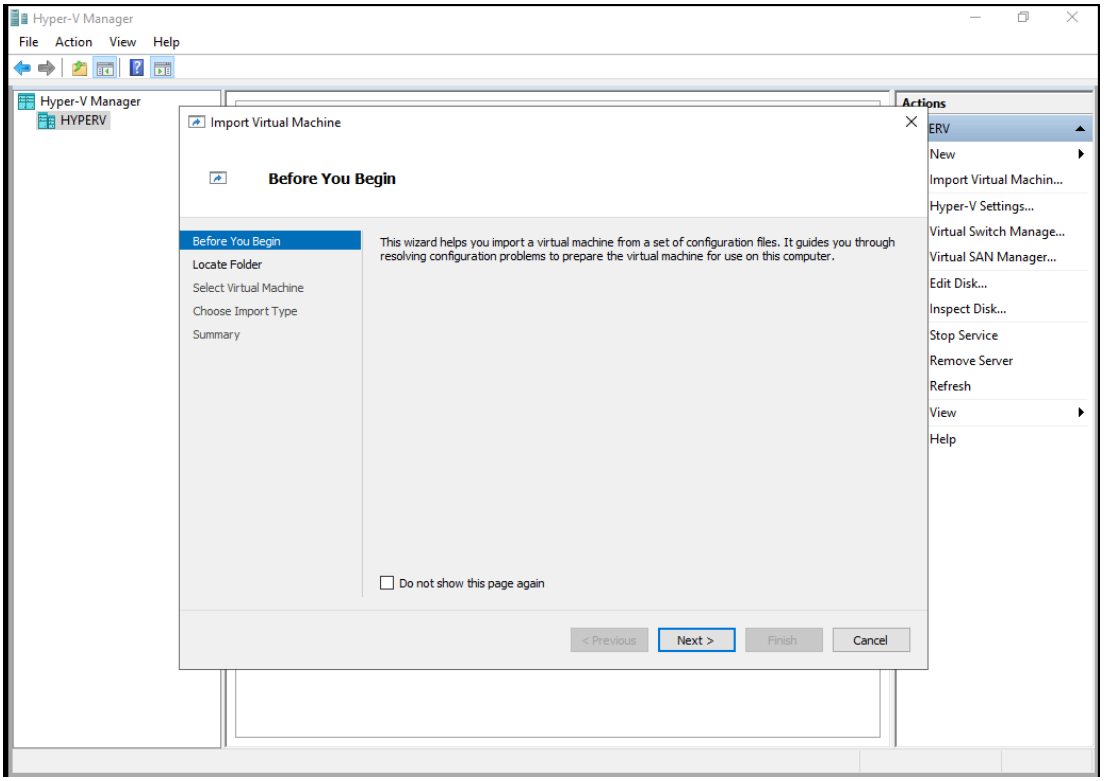
3.1) Import Virtual Machine

In the Hyper-V environment, right-click and select the " **Import Virtual Machine " option;**



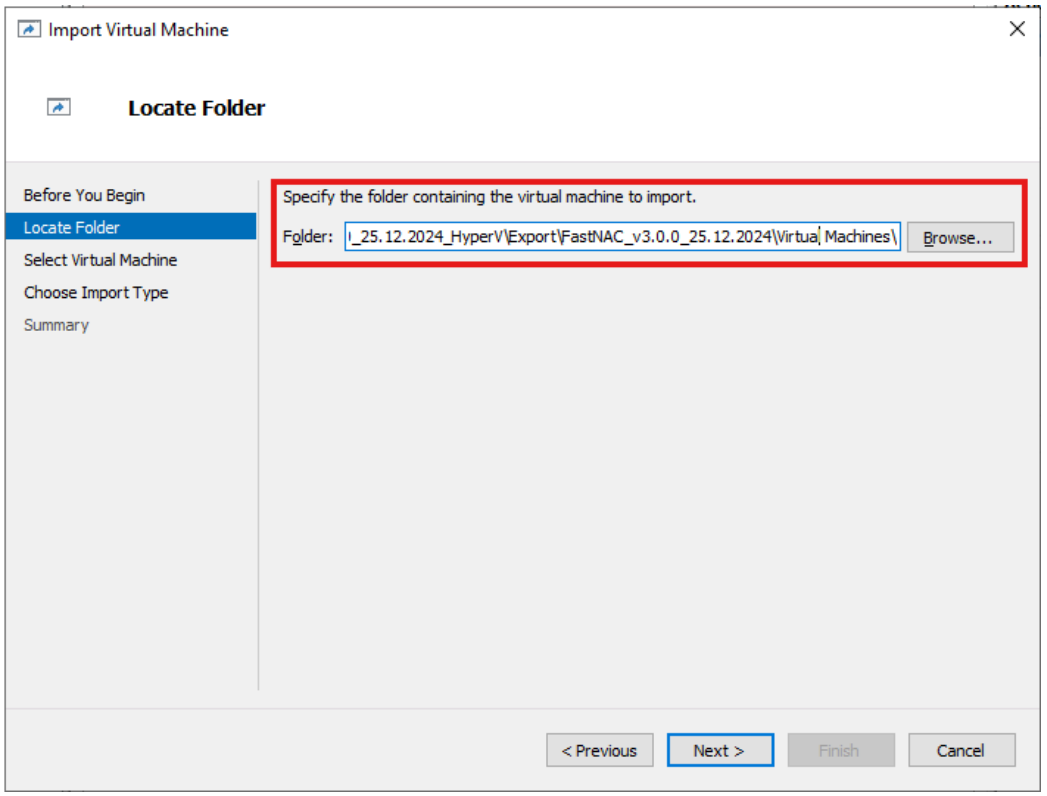
3.2) Beginning

The process begins on the first screen with the " **Next " button;**



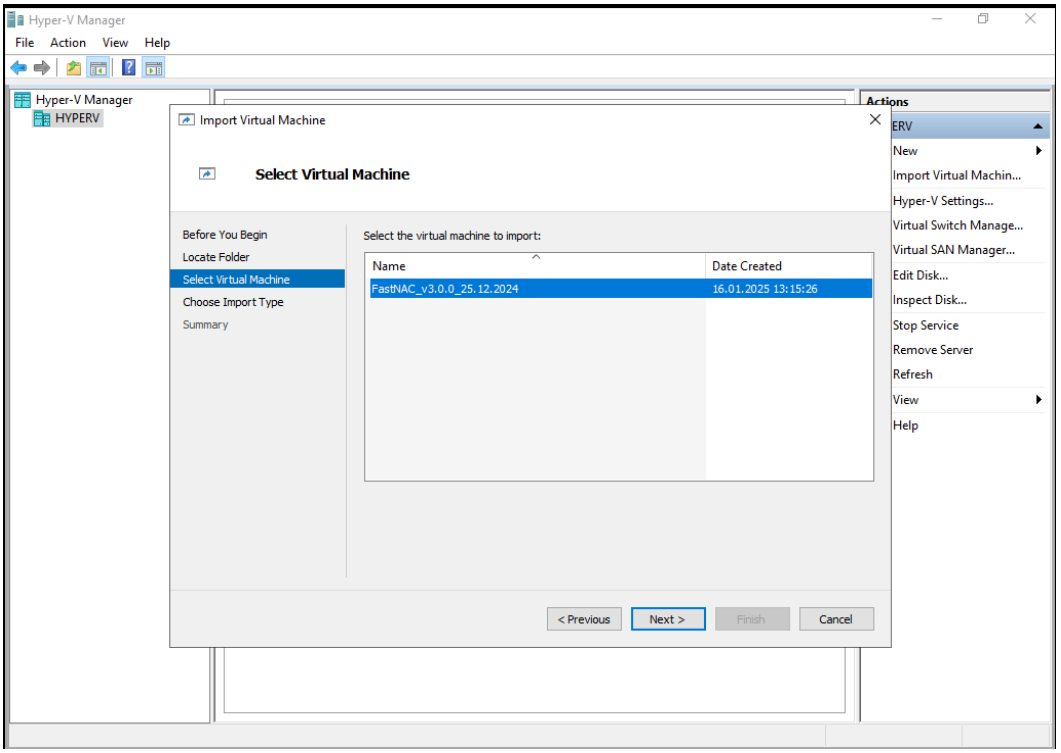
3.3) Selecting a Folder

Next " **Locate"** On the **"Folder** " screen, click the " **Browse... " button to select the " Virtual Machines** " folder path inside the FastNAC Hyper-V folder you downloaded , and then click the " **Next** " button to proceed;



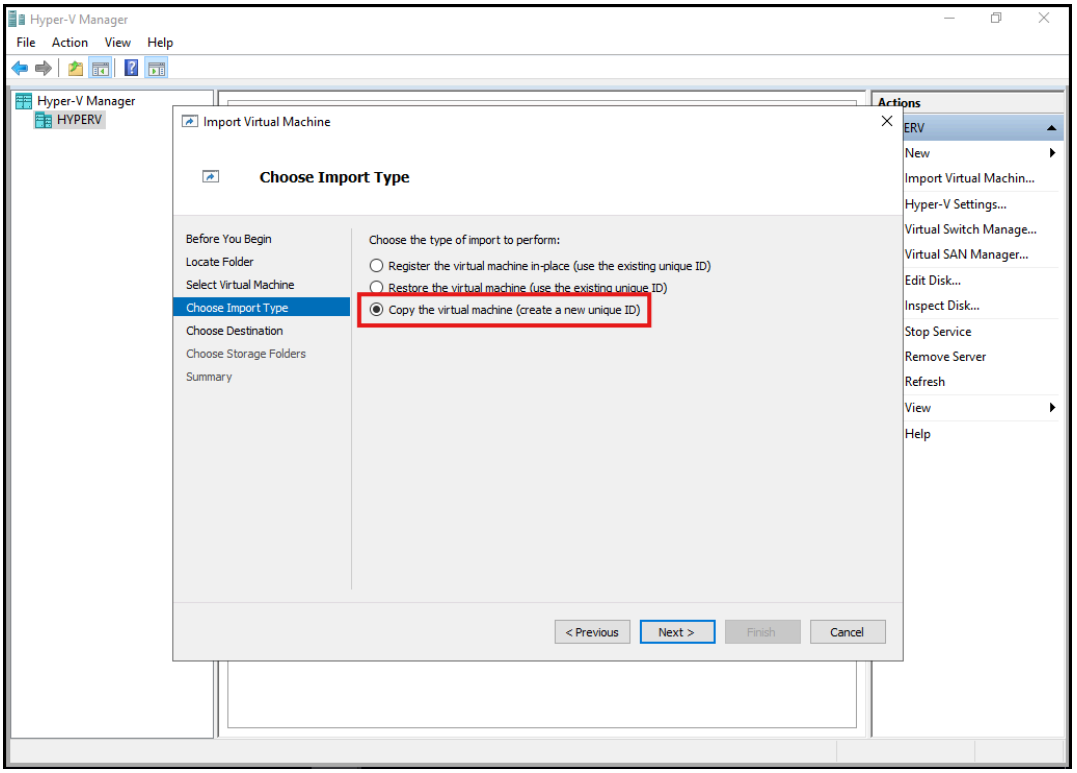
3.4) Selecting a Virtual Machine

On the next screen, you should see the FastNAC Virtual Machine. Proceed to this step by clicking the " **Next** " button;



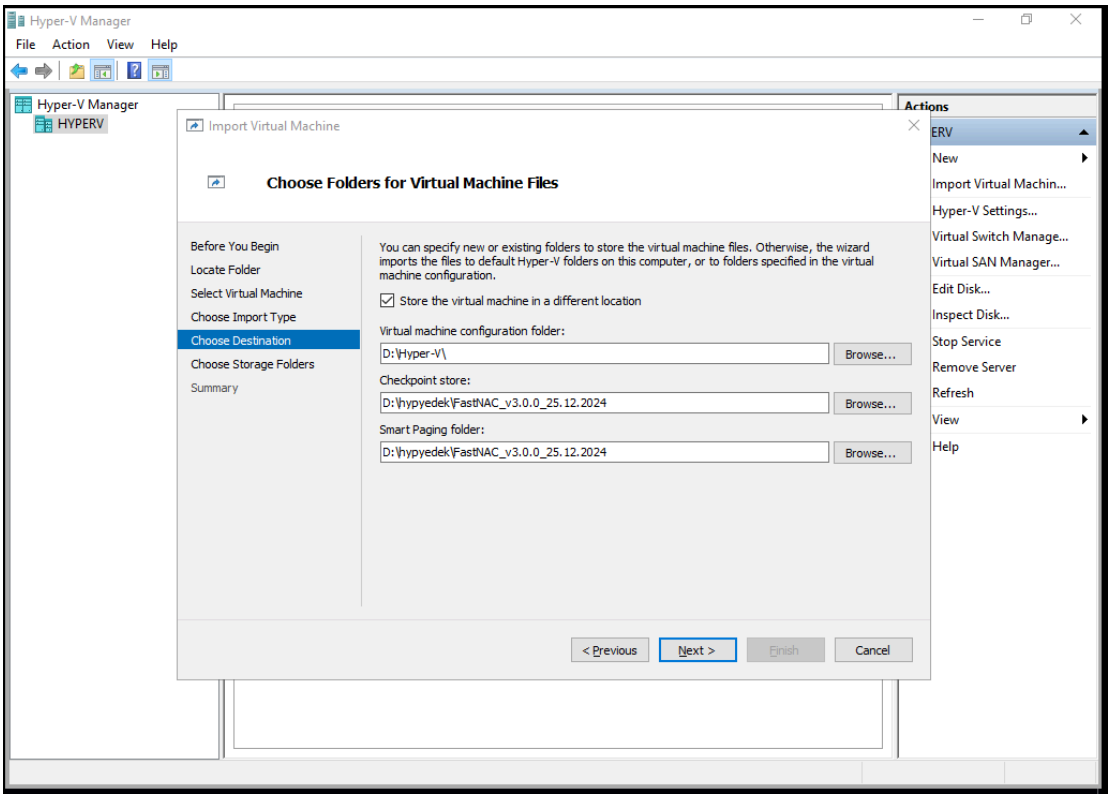
3.5) Selecting the Installation Type

On the next screen, select the " **Copy the virtual machine (create a new unique ID)** " option and click the " **Next** " button;



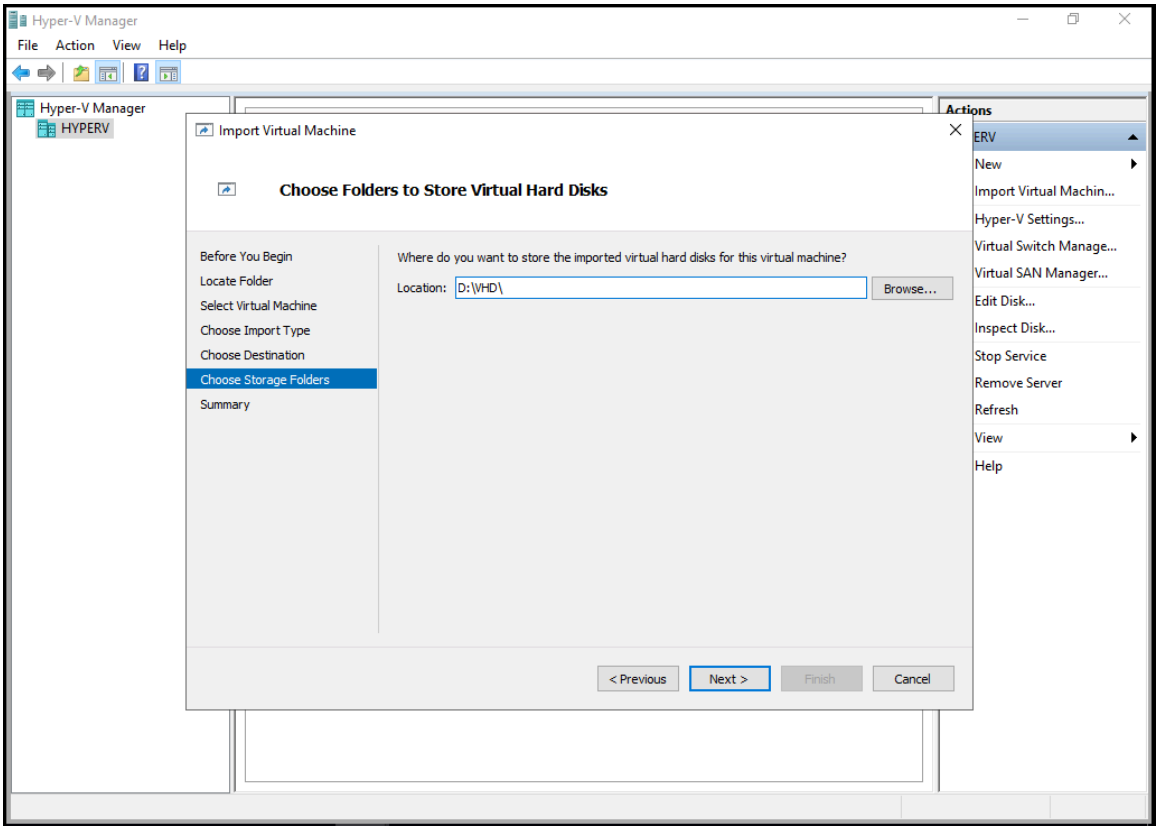
3.6) Choosing the Installation Location

If you want to install FastNAC in a different location, select the desired location by checking the “Store the virtual machine in a different location” option, and then proceed by clicking the “ **Next** ” button;



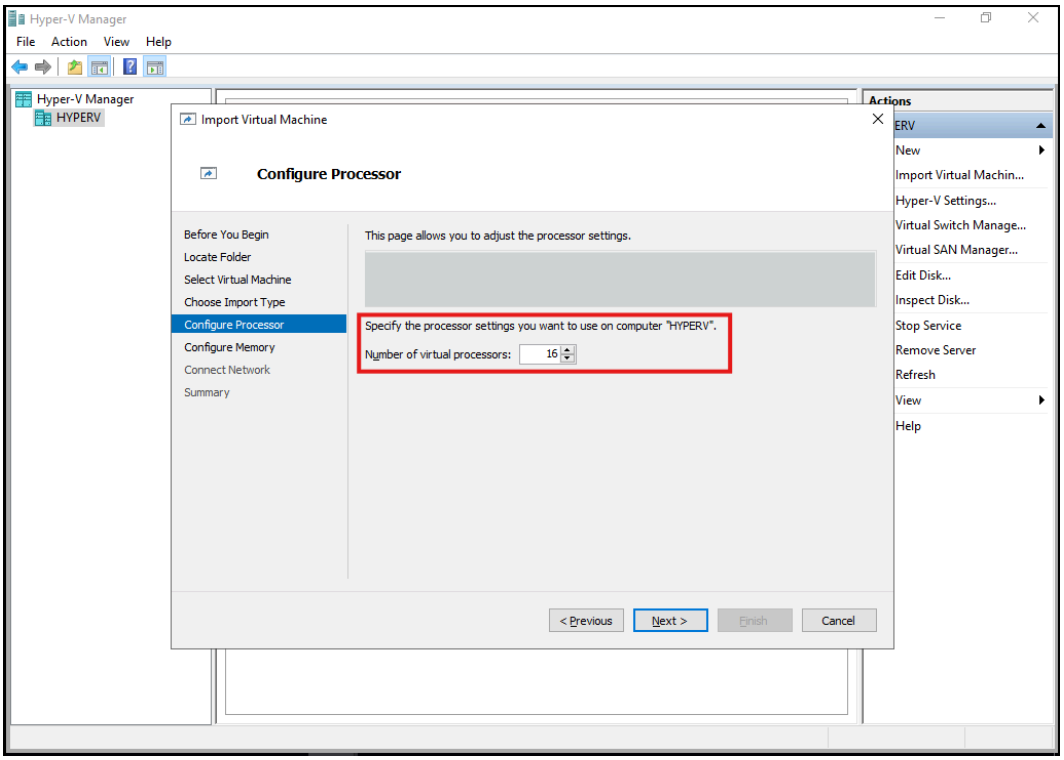
3.7) Selecting the Disk Location

Select the partition where the FastNAC files will be stored and proceed by clicking the " **Next** " button;



3.8) CPU Settings

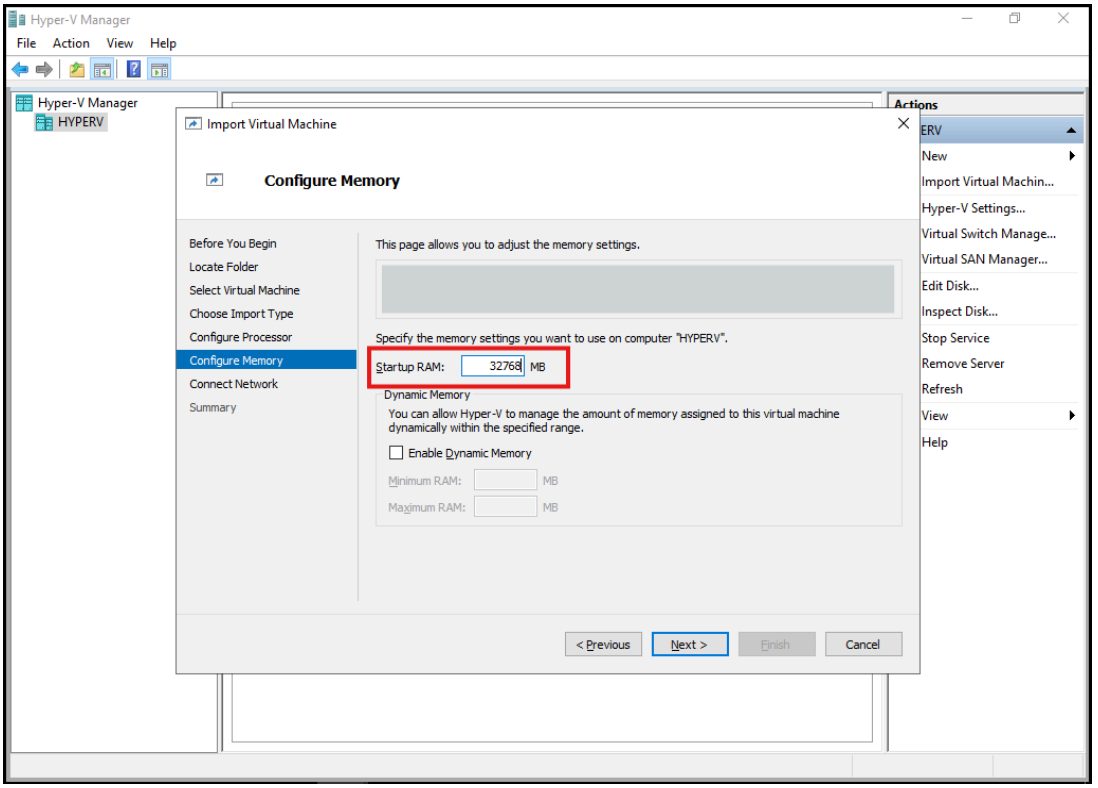
On the next screen, FastNAC's CPU settings are configured, and then you proceed by clicking the " **Next** " button;



Note: For stable operation of FastNAC, a minimum of 16-core CPU is recommended.

3.9) Memory Settings

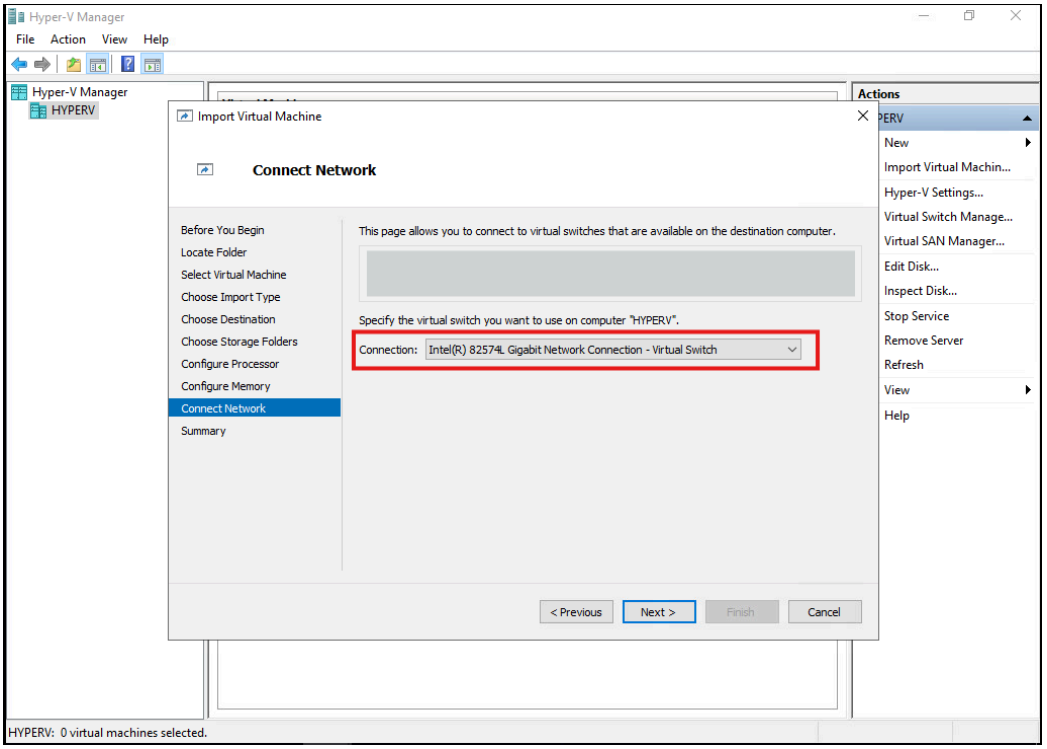
On the next screen, FastNAC's memory settings are configured, and then you proceed by clicking the " **Next** " button;



Note: For stable operation of FastNAC, it is recommended to allocate a minimum of 32 GB of memory. FastNAC has its own memory manager. Therefore, using " **Dynamic Memory** " **is not recommended.**

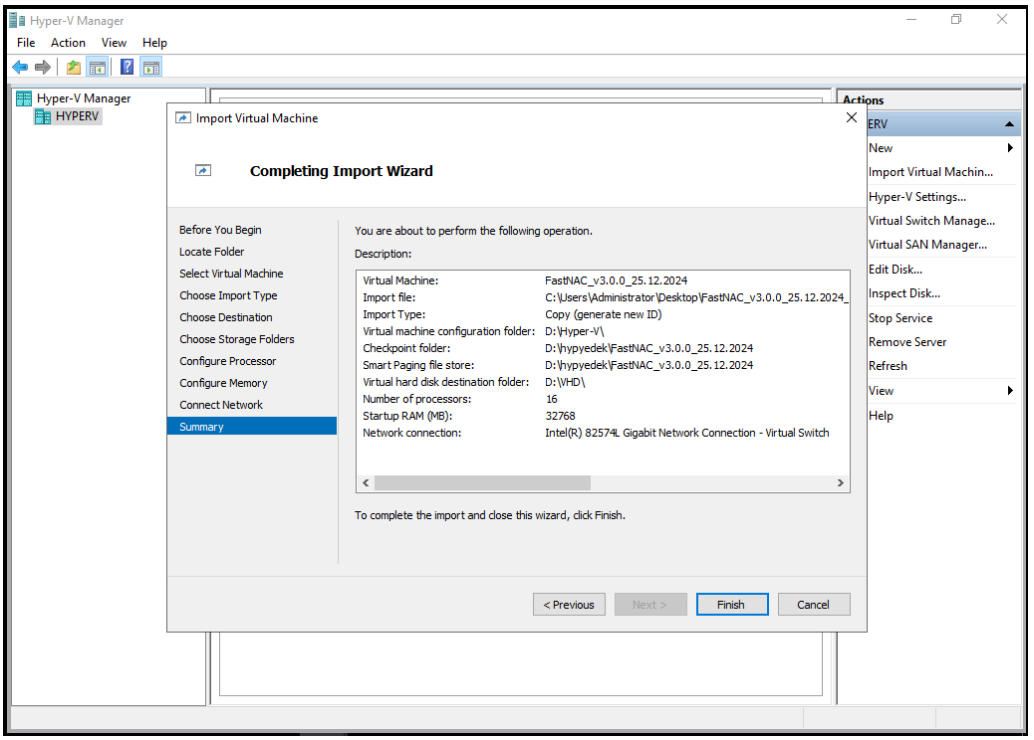
3.10) Network Settings

On the next screen, select the network card used in Hyper-V and then proceed by clicking the " **Next** " **button;**



3.11) Summary Information

The next screen provides a summary of the settings you've made. Clicking the " **Finish** " **button here will start the deployment process.**

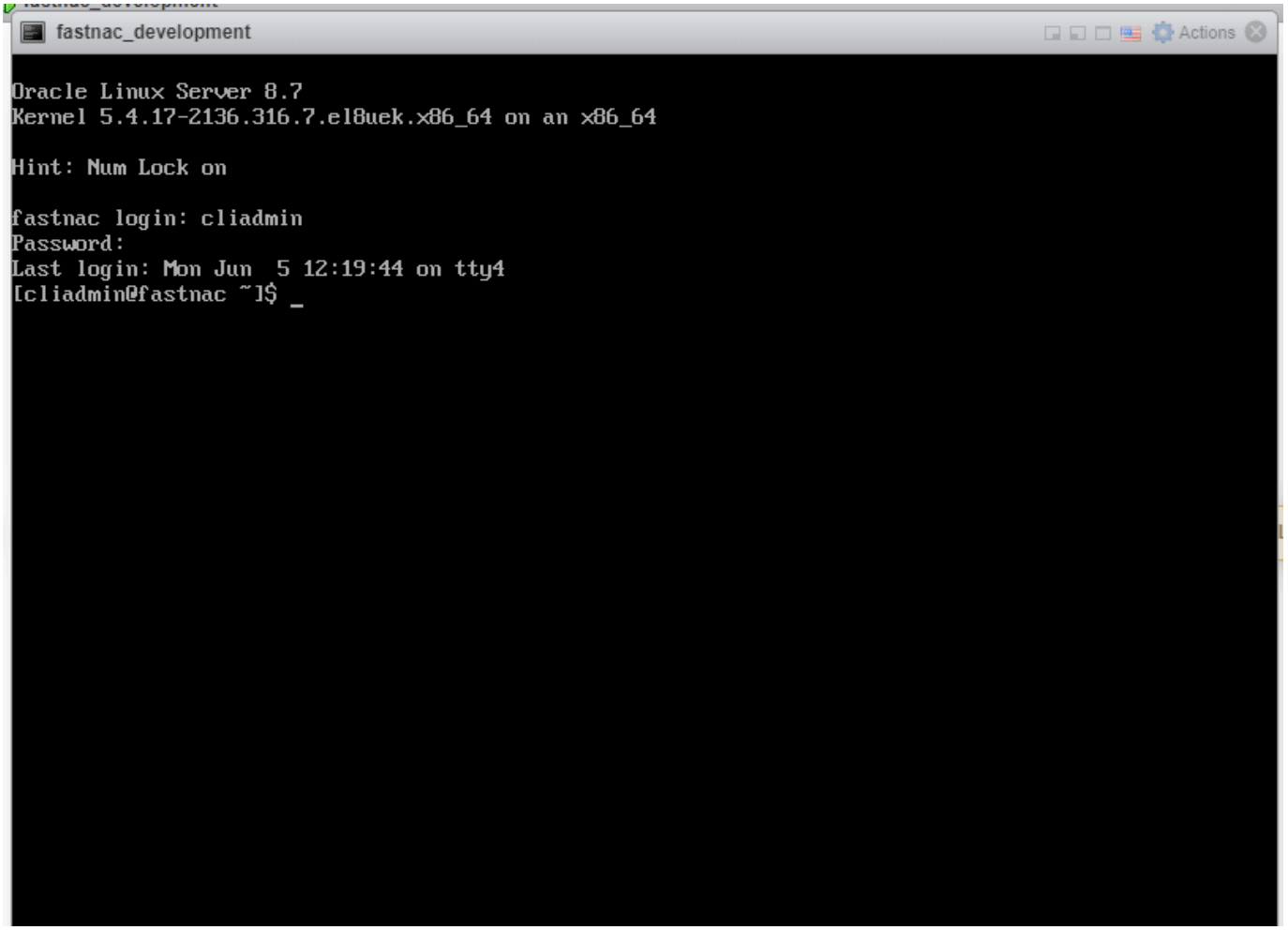


4. FASTNAC STARTUP SETTINGS

4.1) Initial Setup via CLI

the deployment process is complete , you first need to log in via the console (CLI) with the **cliadmin** user and define an IP address, gateway, DNS, and NTP server for FastNAC. The default user credentials are as follows:

Username: **cliadmin**
Password: **fastnac**



The initial settings must be completed using the following commands in order.

```
config network ip 192.168.1.1/24
config network gateway 192.168.1.254
config network dns 192.168.1.10
config ntp 162.159.200.123
config reboot
```

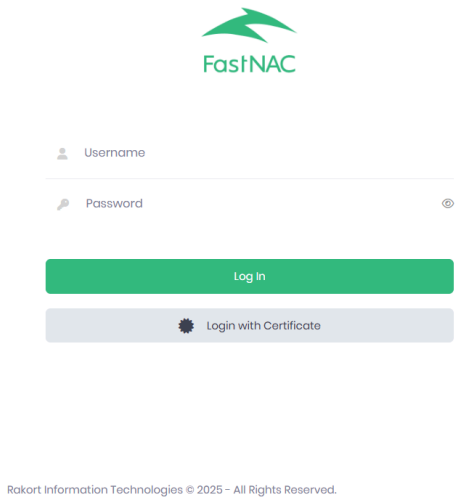
Note : *For a list of commands that* ***the cliadmin user can access and use, please refer to the document fastnac_cliadmin.docx*** .

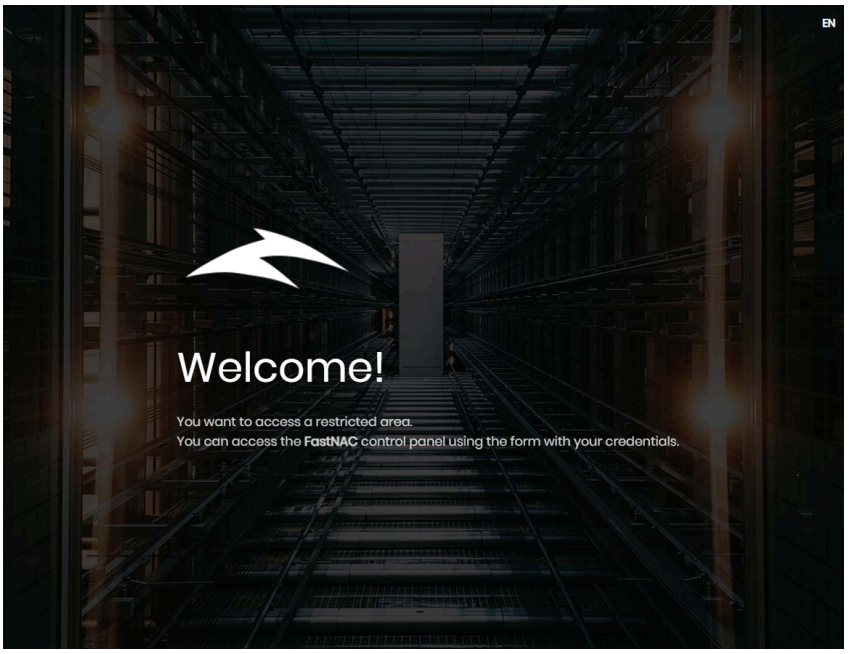
4.2) Accessing the Web Interface

After the initial settings are configured, the given IP address can be opened in a browser (e.g., **https://192.168.1.1**) The fastnac web interface is accessed. After FastNAC restarts, it takes approximately 5-10 seconds for all services to become active.

The default user login information is as follows:

Username: **admin**
Password: **rakort**





Note: The default user information will prompt you to change your password the first time you log in. You can change your password if you wish.