

Installation



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CAUTION

The installation process and the system requirements described below will change in the future **InfimONITOR NEXT** beta versions.

System requirements

InfimONITOR NEXT is distributed as an OVA virtual machine image for deployment under the control of a hypervisor. The following hypervisors are currently supported: VMware ESXi.

The recommended system requirements for the platform, depending on the number of network nodes that are planned to be monitored using the monitoring system are shown in the table below.

Network nodes	up to 1000	up to 5 000	up to 10 000
CPU	Level of Intel Core i3 3.6 GHz, 4 cores.	Level of Intel Core i5 3 GHz, 6 cores.	Level of Intel Xeon E 2.4 GHz, 10 cores.
RAM	up to 4 Gb	up to 8 Gb	up to 16 Gb
HDD	up to 200 Gb	up to 1 Tb	up to 2 Tb

Table - The recommended system requirements for the platform, depending on the number of network nodes

Pre-installation

Requirements for the deployment:

- A virtualization server controlled by a hypervisor compatible with **InfimONITOR NEXT**.
- OVA image (Open Virtualization Format) with the latest version of monitoring system, downloaded from the official Infinet Wireless FTP server - <https://ftp.infinet.ru/pub/INMS/>.

Installation



NOTE

In this installation example, the VMware ESXi hypervisor is used. For deploying to a different hypervisor, proceed according to the user guide of the product.

Step 1 - import the OVA image

- Launch vSphere Client and connect to a hypervisor.
- Run the image import wizard "**File → Deploy OVF Template**".

Title

In the first step of the wizard click on the "Browse" button and specify the path to the **NEXT** image file. Click on the "Next" button to proceed to the following step.

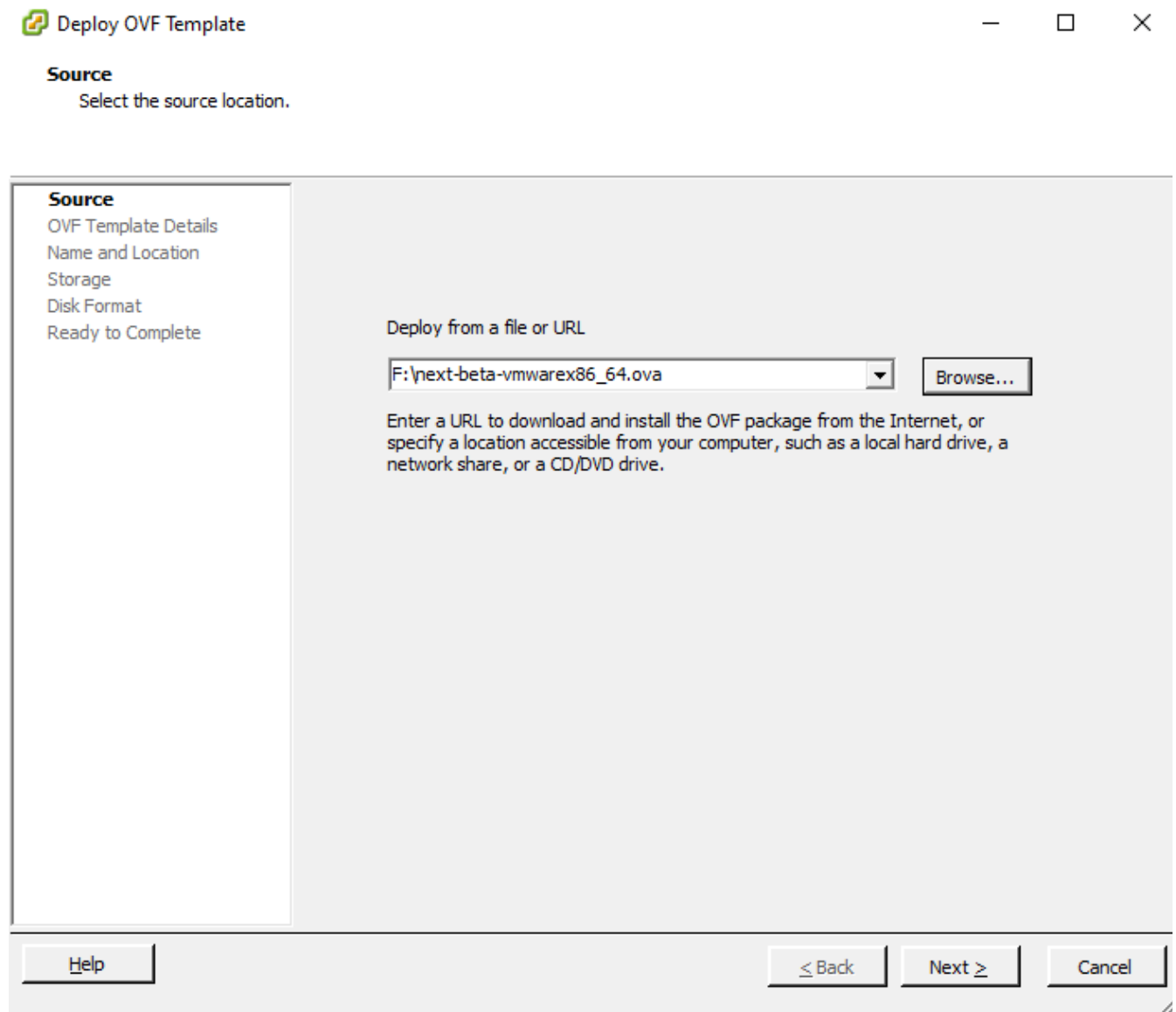


Figure - Image file selection

The next step contains general information about the image, click the "Next" button.

Specify a custom virtual machine name, such as "NEXT EMS." Click "Next" to continue.

Deploy OVF Template

Name and Location
Specify a name and location for the deployed template

Source
OVF Template Details
Name and Location
Storage
Disk Format
Network Mapping
Ready to Complete

Name:
NEXT EMS

The name can contain up to 80 characters and it must be unique within the inventory folder.

Help < Back Next > Cancel

Figure - Virtual machine name

Select the hypervisor storage where the virtual machine should be created. The storage should have the necessary free space, corresponding to the [system requirements](#).

Click "Next" to continue.

Deploy OVF Template

Storage
Where do you want to store the virtual machine files?

[Source](#)
[OVF Template Details](#)
[Name and Location](#)
Storage
Disk Format
Network Mapping
Ready to Complete

Select a destination storage for the virtual machine files:

Name	Drive Type	Capacity	Provisioned	Free	Type	Thin Pro
Datastore - HDD	Non-SSD	3,63 TB	139,57 GB	3,49 TB	VMFS5	S
Datastore - SSD	Non-SSD	930,75 GB	976,00 MB	929,80 GB	VMFS5	S

☐ Disable Storage DRS for this virtual machine

Select a datastore:

Name	Drive Type	Capacity	Provisioned	Free	Type	Thin Pro
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[Help](#) [< Back](#) [Next >](#) [Cancel](#)

Figure - Storage for the virtual machine

At the next step specify the formatting requirements for the space allocated in the repository. Keep the default settings and click "Next" to continue.

The screenshot shows a window titled "Deploy OVF Template" with standard window controls (minimize, maximize, close). The main heading is "Disk Format" with the question "In which format do you want to store the virtual disks?". On the left is a navigation pane with links: "Source", "OVF Template Details", "Name and Location", "Storage", "Disk Format" (highlighted), "Network Mapping", and "Ready to Complete". The main area contains the following fields and options:

- Datastore:** A text box containing "Datastore - HDD".
- Available space (GB):** A text box containing "3577,9".
- Provisioning Options:** Three radio buttons:
 - ☒ Thick Provision Lazy Zeroed
 - ☐ Thick Provision Eager Zeroed
 - ☐ Thin Provision

At the bottom are three buttons: "Help", "< Back", and "Next >", followed by a "Cancel" button.

Figure - Storage preparation for virtual machine

Let's configure the network connection of the virtual machine to the local network. It depends on the hypervisor's configuration and on the local network topology. The selection of the network connection is determined by the following requirements:

- the monitoring system must have network access to the wireless devices;
- the wireless network administrators must have access to the web interface of the monitoring system;
- to make updates, the monitoring system must have access to the update server located in the Internet;
- for the correct functioning of the notification subsystem, the monitoring system must have network access to the corresponding email server.

Click "Next" to continue.

The screenshot shows a window titled "Deploy OVF Template" with standard window controls (minimize, maximize, close). The main heading is "Network Mapping" with the subtitle "What networks should the deployed template use?". On the left is a sidebar with a list of steps: "Source", "OVF Template Details", "Name and Location", "Storage", "Disk Format", "Network Mapping" (which is bolded and has "Ready to Complete" below it), and "Ready to Complete". The main area is titled "Map the networks used in this OVF template to networks in your inventory". It contains a table with two columns: "Source Networks" and "Destination Networks". The first row shows "nat" in the source column and "Vlan107-Default" in the destination column. Below the table is a "Description:" label and a text area containing "The nat network". At the bottom of the window are three buttons: "Help", "< Back", and "Next >", and a "Cancel" button on the far right.

Source Networks	Destination Networks
nat	Vlan107-Default

Description:
The nat network

Figure - Network connection

In the final step, the summary information about the parameters of the newly created virtual machine is displayed. Check it and return to the appropriate steps to make adjustments, if necessary.

Set the "Power on after deployment" flag in order to automatically start the virtual machine after it is created.

If all the parameters are correct, click the "Finish" button to complete the image import and create a virtual machine with the **NEXT** monitoring system.

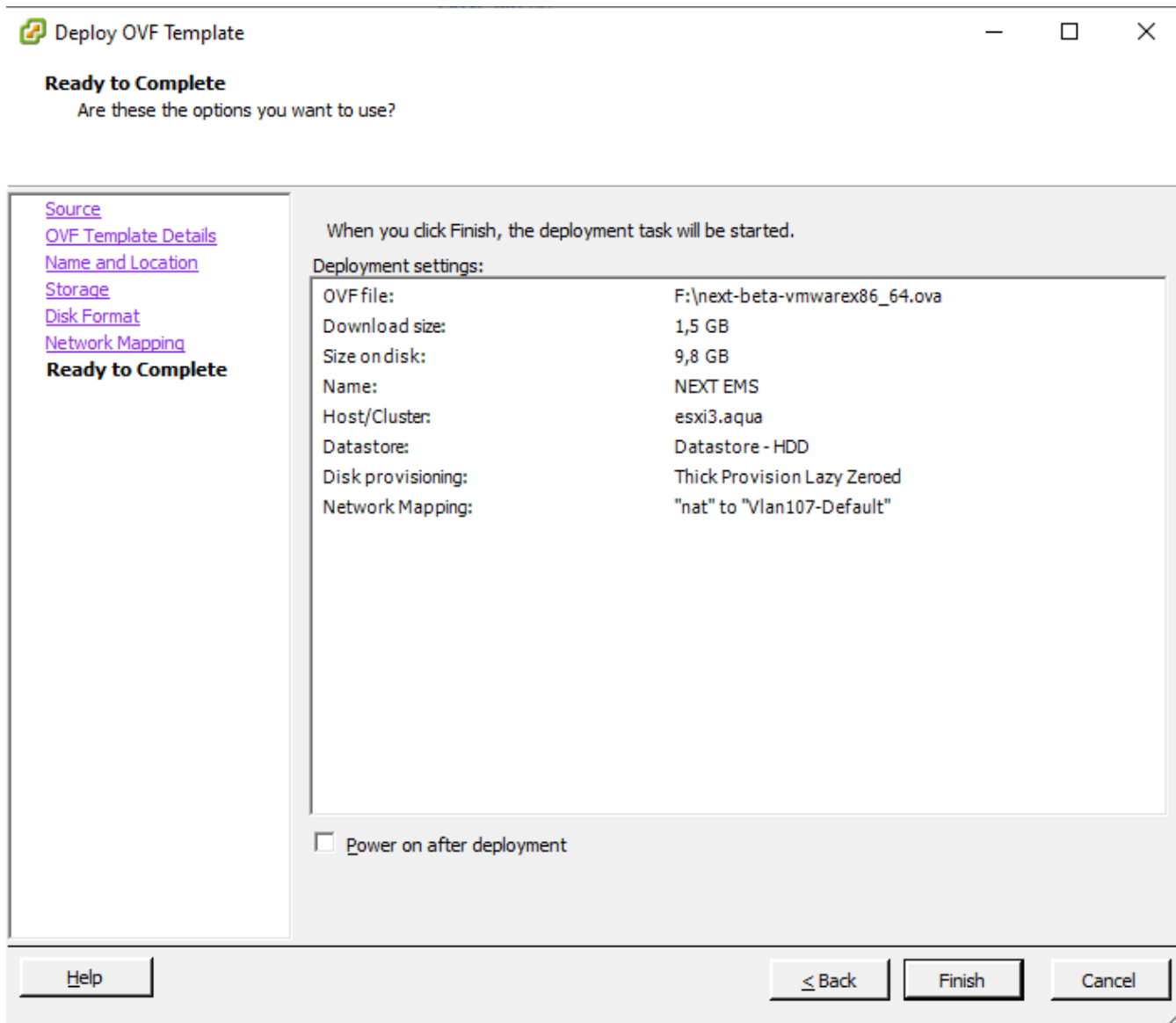


Figure - Image import finishing

Now the virtual machine is created. Run it manually if you have not chosen to start the virtual machine automatically in the previous step.

**NOTE**

To ensure **InfMONITOR NEXT** work correctly, make sure that EFI support is enabled on the virtual machine. Open the virtual machine's settings by clicking "**Edit settings**" button, proceed to "VM Options" → "VMware Tools", if necessary in the "Firmware" subsection select the "**UEFI**" option (virtual machine should be turned off).

Step 2 - NEXT pre-configuration

**NOTE**

In the first beta version, only the network settings are available for configuration. In the future, the list of adjustable parameters will expand.

Open the virtual machine's console. After **NEXT** loads, the service mode is launched, in which the basic parameter configuration, necessary to start the monitoring system, is available.

Title

The network connection settings are the most important. By default, **NEXT** attempts to obtain the network settings via DHCP. To set static values, disable DHCP and manually specify the following parameter values:

- IP address and network mask of the monitoring system's network interface;
- Default gateway IP address;
- DNS server's IP address.

Click on the "Apply" button after setting all the parameters.

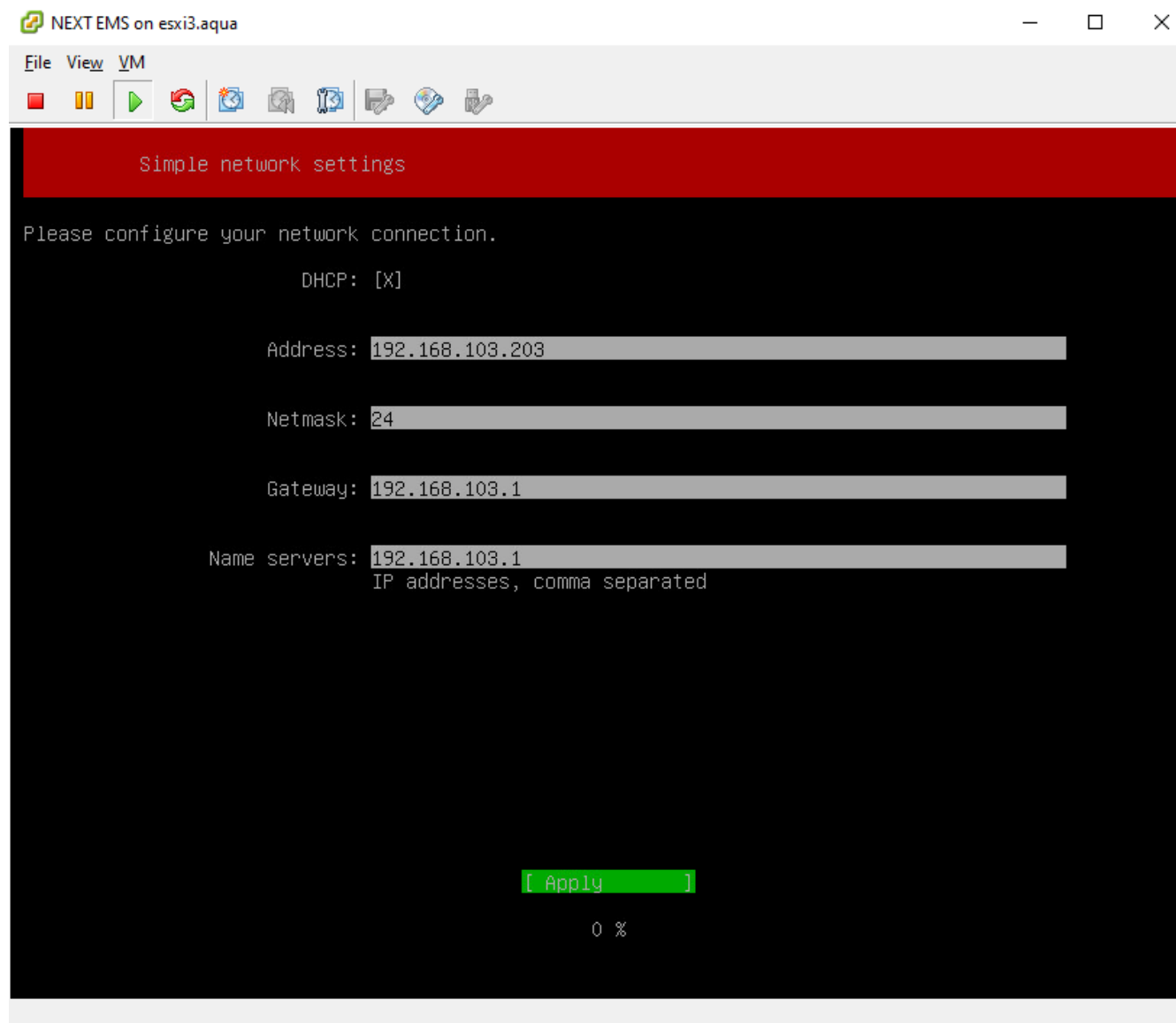


Figure - Pre-configuration

The preliminary configuration is completed, now you can connect to **InfiMONITOR NEXT** monitoring system's web interface where you will be met by installation wizard.

Time settings

Configure the time settings of virtual machine to ensure correctly displayed date and time in the monitoring system. Open the virtual machine's settings by clicking "Edit settings" button, proceed to "VM Options" → "VMware Tools". Set the "Synchronize guest time with host" flag.

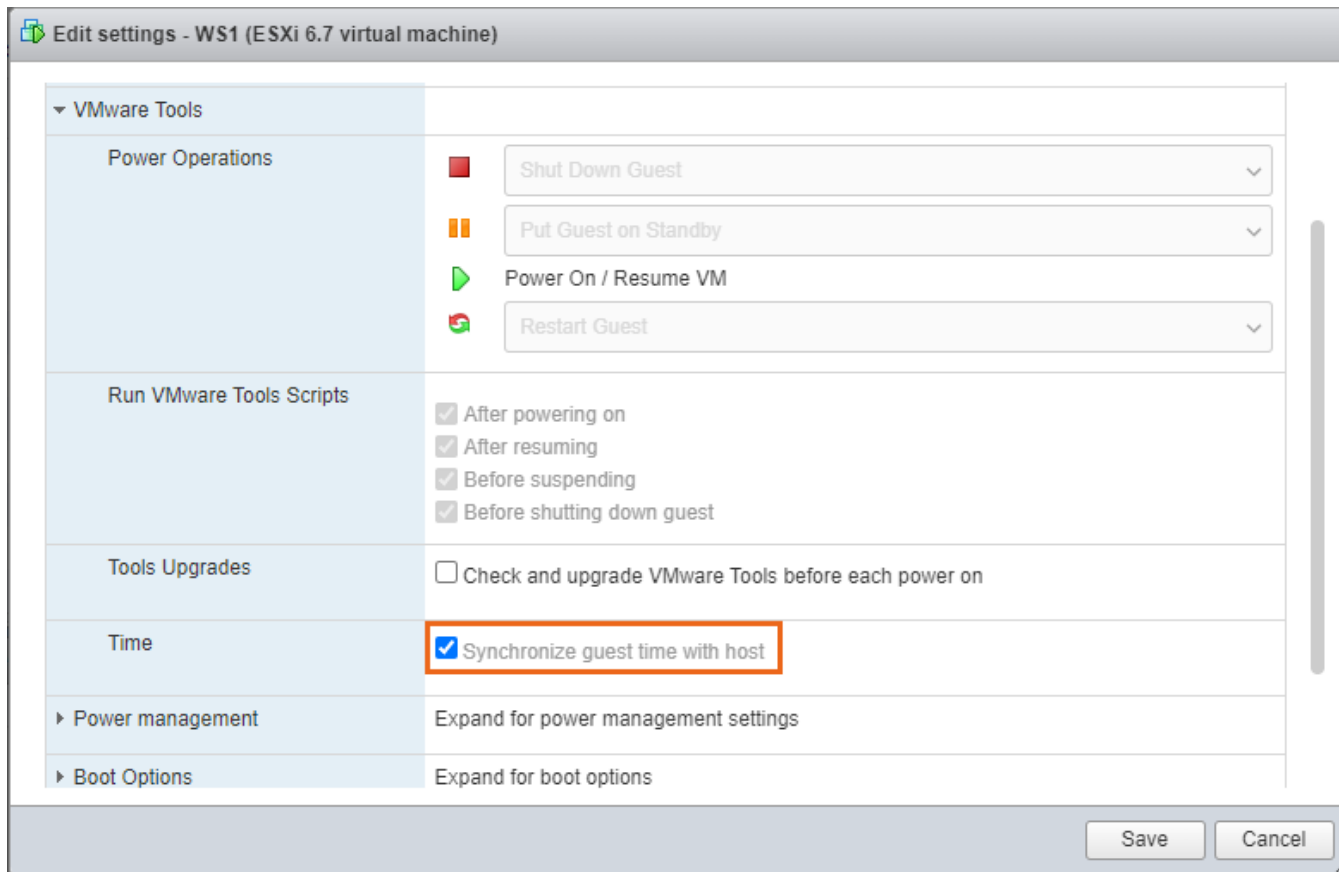


Figure - Time settings