

VMWare Networking Setup

This section presumes you are continuing from the VMWare Initial Setup document.

In the left side pane, click on the Networking entry. Then on the Physical NICs tab.

The screenshot displays the VMware ESXi web interface. The browser address bar shows the URL `154.27.95.139/ui/#/host/networking/adapters`. The left-hand navigation pane has 'Networking' selected, showing 1 item. The main content area is titled 'localhost.localdomain - Networking' and has the 'Physical NICs' tab active. It contains a table with the following data:

Name	Driver	MAC address	Auto-negotiate	Link speed
vmnic0	igbn	00:24:e8:fd:fc:30	Disabled	1000 Mbps, full dup...
vmnic1	igbn	00:24:e8:fd:fc:31	Disabled	1000 Mbps, full dup...
vmnic2	ixgben	00:8c:fa:54:0f:28	Enabled	Link down
vmnic3	ixgben	00:8c:fa:54:0f:29	Disabled	10000 Mbps, full du...

Below the table, it indicates '4 items'. At the bottom of the interface, the 'Recent tasks' section shows a list of completed tasks:

Task	Target	Initiator	Queued	Started	Result	Comple...
Set Entity Permissions	None	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Set Entity Permissions	None	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Set Entity Permissions	None	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Create User	root	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Create User	root	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Options	localhost.localdo...	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...

This is what the network connections should look like. vmnics 0, 1, 3 connected.

Click on the Port Groups tab. In the list click on the VM Network entry to select it, then in the actions option, click on the Remove. This will remove the default network option not needed for the world operation.

The screenshot shows the VMware ESXi web interface. The browser address bar indicates the URL `154.27.95.139/ui/#/host/networking/portgroups`. The interface is titled "localhost.localdomain - Networking" and has tabs for "Port groups", "Virtual switches", "Physical NICs", "VMkernel NICs", "TCP/IP stacks", and "Firewall rules". The "Port groups" tab is active, displaying a table with two entries: "VM Network" and "Management Network". The "VM Network" entry is selected, and a context menu is open over it, with the "Remove" option highlighted. Below the table, the details for the "VM Network" are shown, including its status (Accessible: Yes, Virtual machines: 0, Virtual switch: vSwitch0, VLAN ID: 0, Active ports: 0). At the bottom of the interface, a "Recent tasks" table lists several completed tasks.

Name	Activ...	VLA...	Type	VMs
VM Network	0	0	Star	0
Management Network	1	0	Star	N/A

VM Network

Accessible: Yes
Virtual machines: 0
Virtual switch: vSwitch0
VLAN ID: 0
Active ports: 0

Task	Target	Initiator	Queued	Started	Result	Comple...
Set Entity Permissions	None	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Set Entity Permissions	None	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Set Entity Permissions	None	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Create User	root	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Create User	root	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Options	localhost.localdo...	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...

Verify to remove it.

The screenshot shows the VMware ESXi vSphere Client interface. The browser address bar indicates the URL `154.27.95.139/ui/#/host/networking/portgroups`. The main content area displays the 'Networking' configuration for the host `localhost.localdomain`. A table lists the port groups:

Name	Activ...	VLA...	Type	vSwitch	VMs
VM Network	0	0	Standard port group	vSwitch0	0
Management Network	1	0	Standard port group	vSwitch0	N/A

A dialog box titled 'Remove port group' is open, asking for confirmation to remove the 'VM Network' port group. The dialog contains a warning icon and the text: 'Remove the following port group?' followed by 'VM Network'. The 'Remove' button is highlighted.

Below the dialog, the 'Recent tasks' section shows a list of completed tasks:

Task	Target	Initiator	Queued	Started	Result	Comple...
Set Entity Permissions	None	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Set Entity Permissions	None	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Set Entity Permissions	None	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Create User	root	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Create User	root	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Options	localhost.localdo...	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...

Open the Virtual Switches tab. Click on the vSwitch0 entry to select it, then click on the Edit Settings option.

The screenshot displays the VMware ESXi vSphere Client interface. The browser address bar shows the URL `154.27.95.139/ui/#/host/networking/vswitches`. The interface is titled "localhost.localdomain - Networking" and features several tabs: "Port groups", "Virtual switches", "Physical NICs", "VMkernel NICs", "TCP/IP stacks", and "Firewall rules". The "Virtual switches" tab is active, showing a table with one entry: "vSwitch0", which is selected. The table columns are "Name", "Port groups", "Uplinks", and "Type". Below the table, a detailed view of "vSwitch0" is shown, indicating it is a "Standard vSwitch" with 1 port group and 2 uplinks. A tooltip "Edit the settings for this virtual switch" is visible over the "Edit settings" button. The "Recent tasks" panel at the bottom shows a list of completed tasks.

Name	Port groups	Uplinks	Type
vSwitch0	1	2	Standard vSwitch

vSwitch0
Type: Standard vSwitch
Port groups: 1
Uplinks: 2

Task	Target	Initiator	Queued	Started	Result	Comple...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Set Entity Permissions	None	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Set Entity Permissions	None	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Set Entity Permissions	None	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Create User	root	root	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...

<https://154.27.95.139/ui/>

Click on the x for the Uplink 2 entry to remove it from this switch. The vmnic1 connection is needed for the VM internet access and not interfere with the connection to VMWare Administration.

The screenshot displays the VMware ESXi vSphere Client interface. The main window shows the configuration for vSwitch0 under the 'Virtual switches' tab. The 'Uplinks' column shows two entries: 'Uplink 1' and 'Uplink 2'. The 'Uplink 2' entry is highlighted, and a dialog box titled 'Edit standard virtual switch - vSwitch0' is open, showing the configuration for the selected uplink. The dialog box has a tab for 'Add uplink' and shows the following configuration:

MTU	1500
Uplink 1	vmnic0 - Up, 1000 mbps
Link discovery	Click to expand
Security	Click to expand
NIC teaming	Click to expand
Traffic shaping	Click to expand

At the bottom of the interface, the 'Recent tasks' table is visible, showing several successful network configuration tasks:

Task	Target	Initiator	Queued	Started	Result	Comple...
Refresh Network System	localhost.localdo...	Administr...	06/03/2021 ...	06/03/2021 ...	Completed success...	06/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	06/03/2021 ...	06/03/2021 ...	Completed success...	06/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	06/03/2021 ...	06/03/2021 ...	Completed success...	06/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	06/03/2021 ...	06/03/2021 ...	Completed success...	06/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	06/03/2021 ...	06/03/2021 ...	Completed success...	06/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	06/03/2021 ...	06/03/2021 ...	Completed success...	06/03/2021 ...

Click on Save button to save the change.

The screenshot shows the VMware ESXi vSphere Client interface. The main window displays the 'Networking' configuration for 'localhost.localdomain'. The 'Virtual switches' tab is active, showing a table with one entry: vSwitch0, which has 1 port group and 2 uplinks. A dialog box titled 'Edit standard virtual switch - vSwitch0' is open in the foreground. This dialog is used to configure the vSwitch. It includes an 'Add uplink' section with the following fields:

- MTU: 1500
- Uplink 1: vmnic0 - Up, 1000 mbps
- Link discovery: Click to expand
- Security: Click to expand
- NIC teaming: Click to expand
- Traffic shaping: Click to expand

At the bottom of the dialog, there are 'Save' and 'Cancel' buttons. Below the dialog, the 'Recent tasks' section is visible, showing a list of tasks such as 'Refresh Network System' and 'Update Network Config' with their respective completion statuses and dates.

Now to create the virtual switches needed for grid operation. Click on the Add Standard virtual switch option.

The screenshot displays the VMware ESXi vSphere Client interface. The left-hand 'Navigator' pane shows the 'Networking' section selected. The main content area is titled 'localhost.localdomain - Networking' and has the 'Virtual switches' tab active. At the top of this tab, the 'Add standard virtual switch' button is highlighted in blue. Below this are buttons for 'Add uplink', 'Edit settings', 'Refresh', and 'Actions'. A search bar is also present. A table lists the existing virtual switches:

Name	Port groups	Uplinks	Type
vSwitch0	1	1	Standard vSwitch

At the bottom of the interface, the 'Recent tasks' panel shows a list of completed tasks:

Task	Target	Initiator	Queued	Started	Result	Comple...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...

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Name this switch Internet as shown.

The screenshot shows the VMware ESXi vSphere Client interface. The main window displays the 'Networking' section for the host 'localhost.localdomain'. A dialog box titled 'Add standard virtual switch - Internet' is open in the foreground. The dialog box contains the following fields and options:

- vSwitch Name:** A text input field containing the text 'Internet'.
- MTU:** A text input field containing the value '1500'.
- Uplink 1:** A dropdown menu showing 'vmnic1 - Up, 1000 mbps'.
- Link discovery:** A button labeled 'Click to expand'.
- Security:** A button labeled 'Click to expand'.
- Buttons:** 'Add' and 'Cancel' buttons are located at the bottom right of the dialog box.

In the background, the vSphere Client interface shows a table of existing virtual switches:

Name	Port groups	Uplinks	Type
vSwitch0	1	1	Standard vSwitch

The 'Recent tasks' section at the bottom of the interface shows a list of tasks with columns for Task, Target, Initiator, Queued, Started, Result, and Completion time. All tasks shown are 'Completed success'.

Click on Add to save it. Click on the Add Standard virtual switch option again to create the next switch that is needed.

Name this switch InternalNet. This time change the Uplink entry to the vmnic3 entry.

The screenshot displays the VMware ESXi vSphere Client interface. The main window shows the 'Virtual switches' tab for the host 'localhost.localdomain'. A dialog box titled 'Add standard virtual switch - InternalNet' is open, showing the configuration for a new vSwitch. The 'vSwitch Name' is 'InternalNet', and the 'MTU' is '1500'. The 'Uplink 1' dropdown menu is open, showing three options: 'vmnic2 - Down', 'vmnic2 - Down', and 'vmnic3 - Up, 10000 mbps', with the last option selected. The 'Add' button is visible at the bottom right of the dialog. In the background, the 'Virtual switches' table lists 'vSwitch0' and 'Internet'.

Name	Port groups	Uplinks	Type
vSwitch0	1	1	Standard vSwitch
Internet	0	1	Standard vSwitch

2 items

Task	Target	Initiator	Queued	Started	Result	Comple...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...

Click on Add button to save this switch.

The screenshot displays the VMware ESXi vSphere Client interface. The main window shows the 'Networking' section for the host 'localhost.localdomain'. A dialog box titled 'Add standard virtual switch - InternalNet' is open, allowing the user to configure a new vSwitch. The dialog includes the following fields:

- vSwitch Name:** InternalNet
- MTU:** 1500
- Uplink 1:** vmnic3 - Up, 10000 mbps
- Link discovery:** Click to expand
- Security:** Click to expand

At the bottom of the dialog are 'Add' and 'Cancel' buttons. In the background, a table lists existing vSwitches:

Name	Port groups	Uplinks	Type
vSwitch0	1	1	Standard vSwitch
Internet	0	1	Standard vSwitch

The 'Recent tasks' section at the bottom shows a list of completed tasks:

Task	Target	Initiator	Queued	Started	Result	Comple...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...

Verify the added switches have the correct names on them!

The screenshot shows the VMware ESXi vSphere Client interface. The left-hand 'Navigator' pane shows the 'Networking' section selected. The main content area is titled 'localhost.localdomain - Networking' and has the 'Virtual switches' tab active. Below the navigation tabs, there are buttons for 'Add standard virtual switch', 'Add uplink', 'Edit settings', 'Refresh', and 'Actions'. A search box is also present. The main table displays the following data:

Name	Port groups	Uplinks	Type
vSwitch0	1	1	Standard vSwitch
Internet	0	1	Standard vSwitch
InternalNet	0	1	Standard vSwitch

At the bottom of the interface, the 'Recent tasks' section shows a list of tasks:

Task	Target	Initiator	Queued	Started	Result	Comple...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...

Click on the Port groups tab, then the Add Port Group option.

The screenshot displays the VMware ESXi vSphere Client interface. The browser address bar shows the URL `154.27.95.139/ui/#/host/networking/portgroups`. The interface is titled "localhost.localdomain - Networking" and has several tabs: "Port groups", "Virtual switches", "Physical NICs", "VMkernel NICs", "TCP/IP stacks", and "Firewall rules". The "Port groups" tab is active, showing a table with one entry:

Name	Activ...	VLA...	Type	vSwitch	VMs
Management Network	1	0	Standard port group	vSwitch0	N/A

Below the table, it indicates "1 items". The "Add port group" button is highlighted in blue. At the bottom, the "Recent tasks" panel shows a list of tasks:

Task	Target	Initiator	Queued	Started	Result	Comple...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...

Name this port group entry VM Internet. Then select the Internet virtual switch from the drop list.

The screenshot shows the VMware ESXi vSphere Client interface. The main window displays the 'Networking' section for the host 'localhost.localdomain'. A dialog box titled 'Add port group - VM Internet' is open, showing the configuration for a new port group. The 'Name' field is 'VM Internet', the 'VLAN ID' is '0', and the 'Virtual switch' dropdown menu is open, showing 'vSwitch0' selected. The 'Security' section is collapsed. The 'Recent tasks' table at the bottom shows several successful tasks.

Name	Activ...	VLA...	Type	vSwitch	VMs
Management Network	1	0	Standard port group	vSwitch0	N/A

Name	VLAN ID	Virtual switch
VM Internet	0	vSwitch0

Task	Target	Initiator	Queued	Started	Result	Comple...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...

Click on the Add button to save the new entry.

The screenshot shows the VMware ESXi vSphere Client interface. The main window displays the 'Networking' section for the host 'localhost.localdomain'. A dialog box titled 'Add port group - VM Internet' is open in the foreground. The dialog contains the following fields:

- Name: VM Internet
- VLAN ID: 0
- Virtual switch: Internet
- Security: Click to expand

At the bottom right of the dialog, there are two buttons: 'Add' and 'Cancel'. The 'Add' button is highlighted with a blue border, indicating it is the intended action.

In the background, the 'Port groups' tab is active, showing a table with one entry:

Name	Activ...	VLA...	Type	vSwitch	VMs
Management Network	1	0	Standard port group	vSwitch0	N/A

The 'Recent tasks' section at the bottom of the vSphere Client shows a list of tasks performed on the host, all of which are completed successfully.

Task	Target	Initiator	Queued	Started	Result	Comple...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...

Again click on the Add port groups option to make a new port group. Name this entry VM Internal Net and select the InternalNet virtual switch for it. Then click Add to save it.

The screenshot shows the VMware ESXi web interface. The browser address bar displays `154.27.95.139/ui/#/host/networking/portgroups`. The main content area is titled "localhost.localdomain - Networking" and shows a table of port groups. A dialog box titled "Add port group - VM Internal Net" is open in the foreground, with the following fields:

- Name: VM Internal Net
- VLAN ID: 0
- Virtual switch: InternalNet
- Security: Click to expand

The dialog box has "Add" and "Cancel" buttons at the bottom right. In the background, the "Port groups" table is visible with the following data:

Name	Active	VLAN	Type	vSwitch	VMs
Management Network	1	0	Standard port group	vSwitch0	N/A
VM Internal	0	0	Standard port group	InternalNet	N/A

The "Recent tasks" section at the bottom shows a list of tasks with columns for Task, Target, Initiator, Queued, Started, Result, and Completion time. The tasks listed are "Refresh Network System" and "Update Network Config", all of which are marked as "Completed success...".

Verify the two added entries for correct names and switch assignments as shown.

The screenshot shows the VMware ESXi vSphere Client interface. The browser address bar indicates the URL `154.27.95.139/ui/#/host/networking/portgroups`. A notification at the top states: "Port group VM Internal Net was successfully created".

The left-hand navigation pane shows the following structure:

- Host
 - Manage
 - Monitor
- Virtual Machines: 0
- Storage: 3
- Networking: 0

The main content area is titled "Port groups" and contains a table with the following data:

Name	Activ...	VLA...	Type	vSwitch	VMs
Management Network	1	0	Standard port group	vSwitch0	N/A
VM Internet	0	0	Standard port group	Internet	N/A
VM Internal Net	0	0	Standard port group	InternalNet	N/A

Below the table, it indicates "3 items".

The "Recent tasks" section at the bottom shows a list of completed tasks:

Task	Target	Initiator	Queued	Started	Result	Comple...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...

You may log out at this point. VMWare is now ready to have the Server template uploaded to it in the next chapter on VM Server Setup where the virtual servers will be loaded up.

The screenshot shows the VMware ESXi web interface. The browser address bar indicates the URL `154.27.95.139/ui/#/host/networking/portgroups`. The interface is titled "localhost.localdomain - Networking" and shows a user logged in as "Administrator@154.27.95.139".

The main content area displays the "Port groups" configuration. A table lists the following port groups:

Name	Activ...	VLA...	Type	vSwitch	VMs
Management Network	1	0	Standard port group	vSwitch0	N/A
VM Internet	0	0	Standard port group	Internet	N/A
VM Internal Net	0	0	Standard port group	InternalNet	N/A

At the bottom of the interface, the "Recent tasks" section shows a list of completed tasks:

Task	Target	Initiator	Queued	Started	Result	Comple...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Refresh Network System	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...
Update Network Config	localhost.localdo...	Administr...	05/03/2021 ...	05/03/2021 ...	Completed success...	05/03/2021 ...