

Create Port Groups

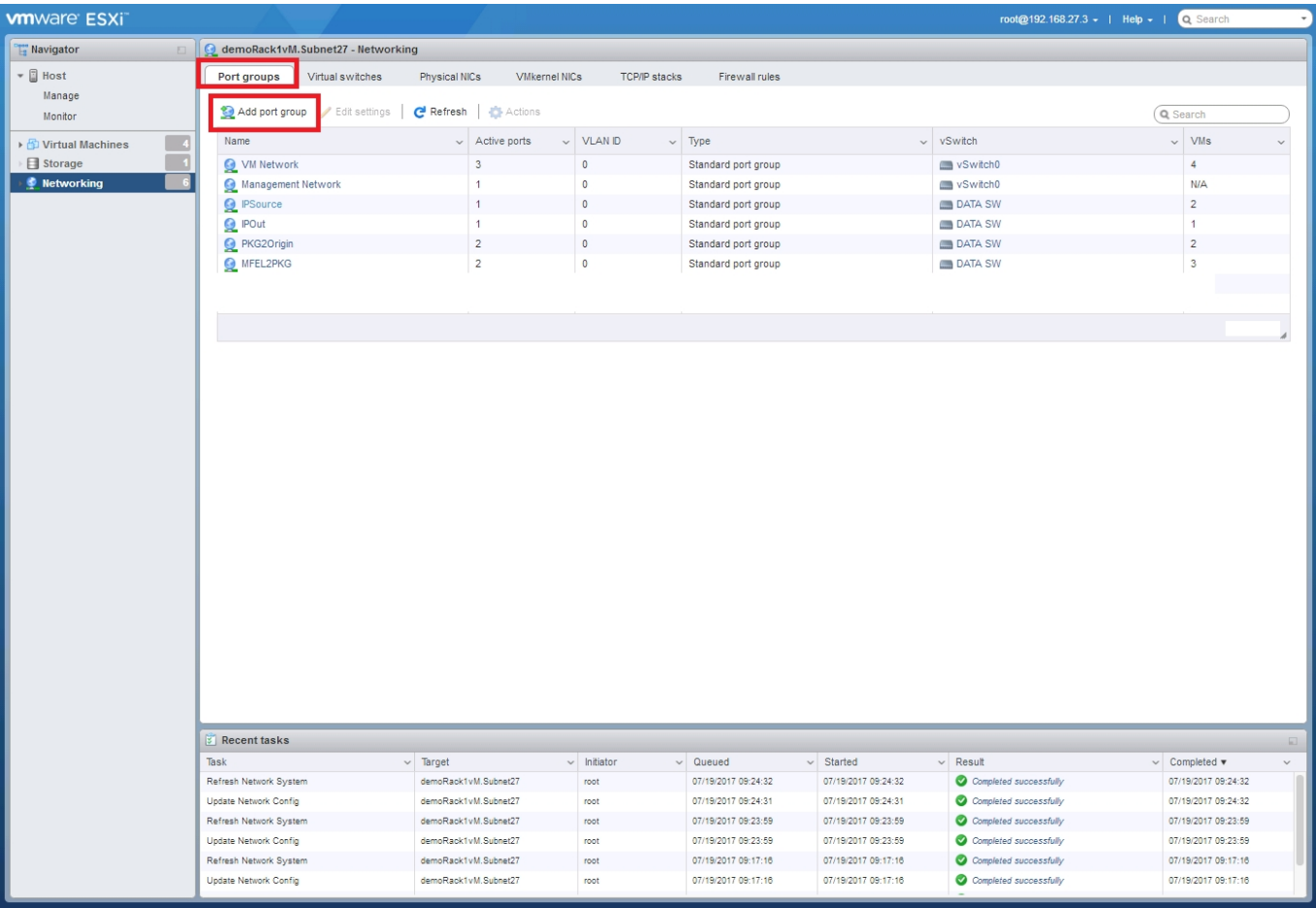
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What is a Port Group in VMWare

To be able to complete this section, you need to have created a vSwitch, if you have not done this then you can look [here](#) for information on how to create a vSwitch.

A Port Group contains one or more interfaces from Virtual Machines. A Port Group is created and assigned to a Virtual Switch (vSwitch). This then maps a Port Group to a Physical Interface via a vSwitch (you can't directly map Port Groups to Physical Interfaces).

Log in to the ESXi Web GUI, on the left hand pane select **Networking**.



At the top of the page, select **Port Groups** and then select **Add port group**.

The Add port group page will open.

Add port group - Ingress

Name:

VLAN ID:

Virtual switch:

Security: [Click to expand](#)

We need to enter some information here:

Name: A name for the Port Group. I have used Ingress (and Egress for a second Port Group)

VLAN ID: Unless you have a good reason, leave this as 0 (default)

Virtual Switch: This is the vSwitch you wish to assign this port group to, use the vSwitch you created earlier.

Security: Unless you have a good reason, leave this as default

Create a second **Port Group** (Egress).

You will now be able to see both the **Port Groups** you created.

demoRack1vM.Subnet27 - Networking

Port groups | Virtual switches | Physical NICs | VMkernel NICs | TCP/IP stacks | Firewall rules

[Add port group](#) [Edit settings](#) [Refresh](#) [Actions](#)

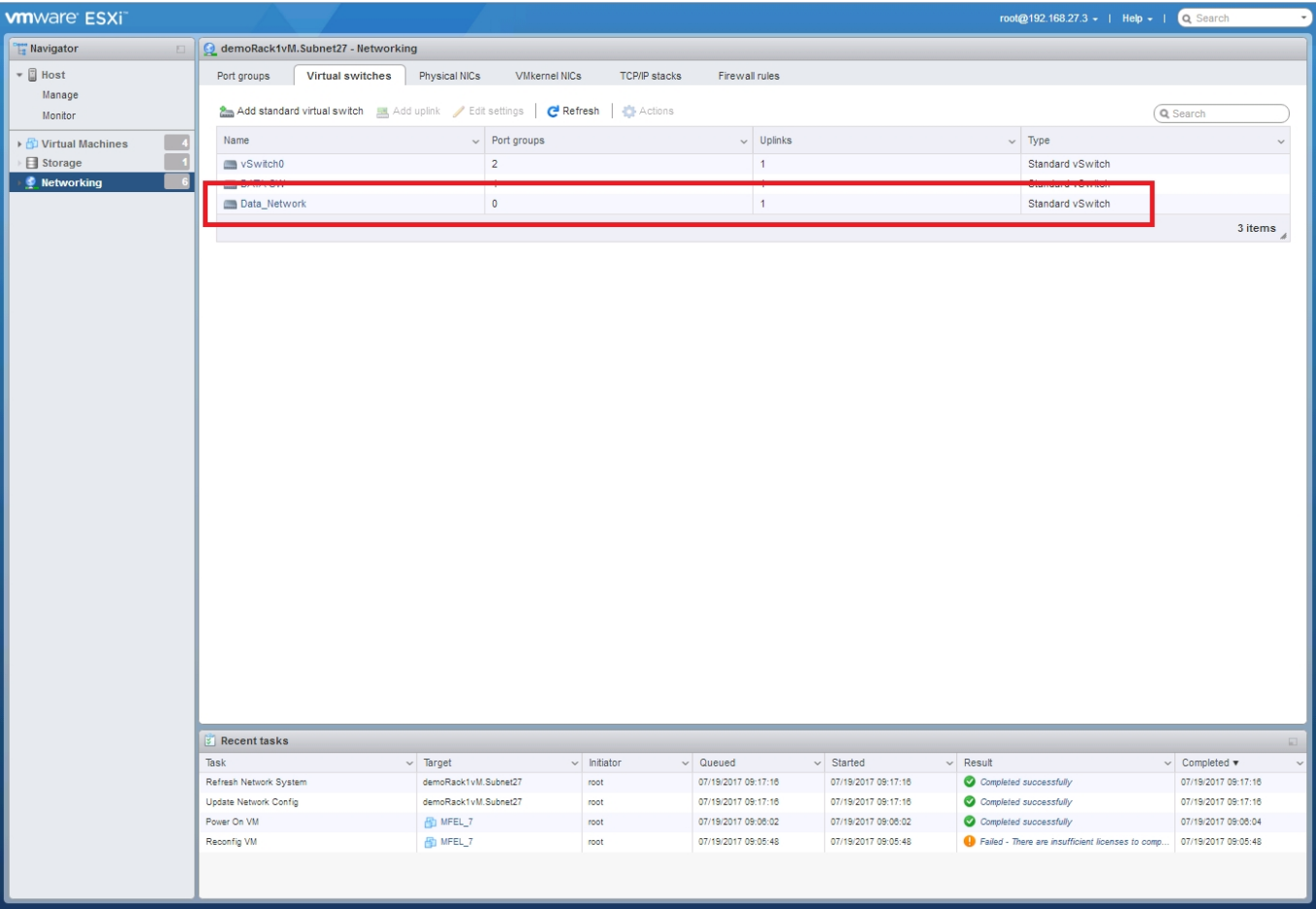
Name	Active ports	VLAN ID	Type	vSwitch	VMs
VM Network	3	0	Standard port group	vSwitch0	4
Management Network	1	0	Standard port group	vSwitch0	N/A
IPSource	1	0	Standard port group	DATA SW	2
IPOut	1	0	Standard port group	DATA SW	1
PKG2Origin	2	0	Standard port group	DATA SW	2
MEFL2PKG2	2	0	Standard port group	DATA SW	2
Egress	0	0	Standard port group	Data_Network	0
Ingress	0	0	Standard port group	Data_Network	0

8 items

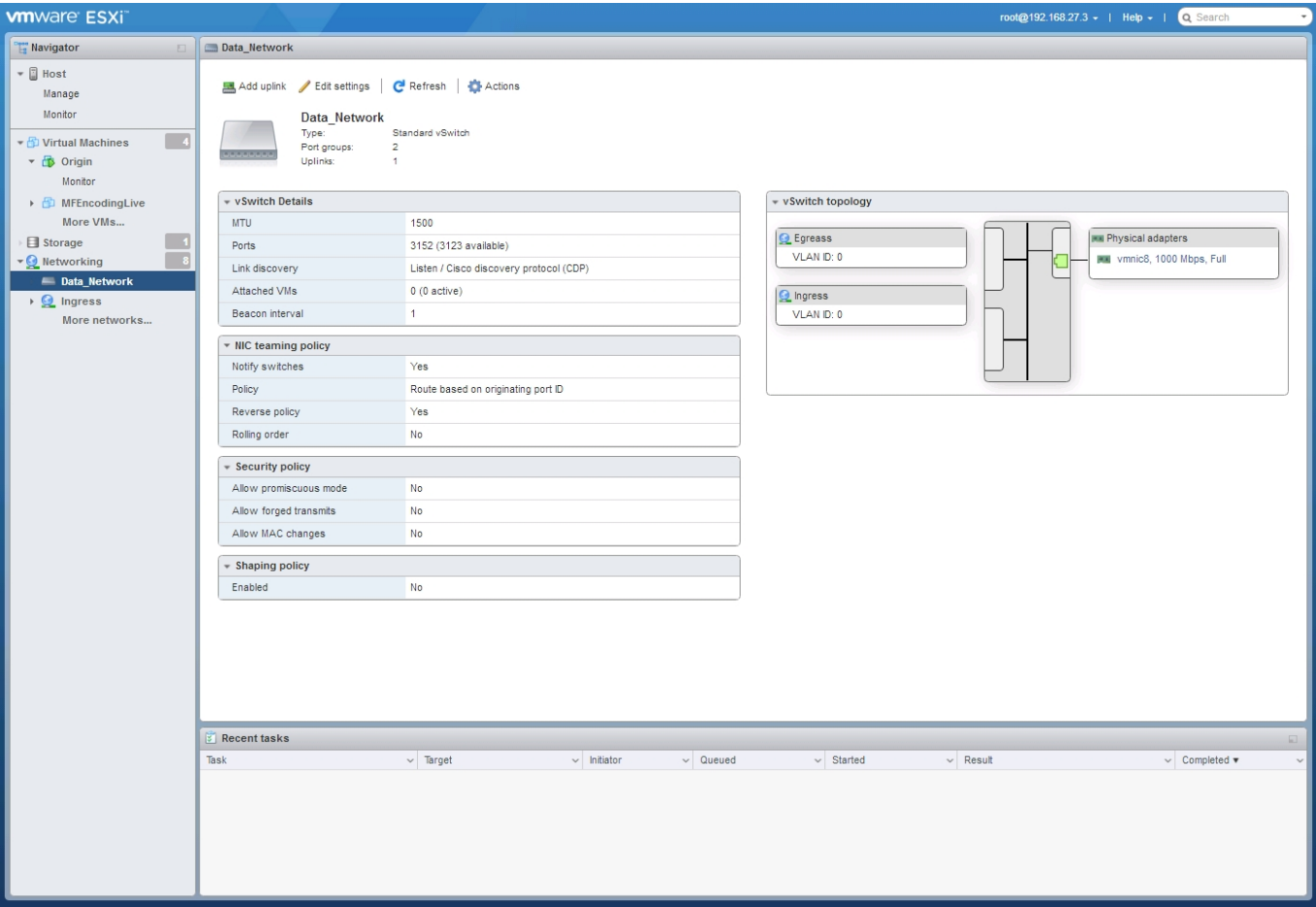
Recent tasks

Task	Target	Initiator	Queued	Started	Result	Completed
Refresh Network System	demoRack1vM.Subnet27	root	07/19/2017 09:24:32	07/19/2017 09:24:32	Completed successfully	07/19/2017 09:24:32
Update Network Config	demoRack1vM.Subnet27	root	07/19/2017 09:24:31	07/19/2017 09:24:31	Completed successfully	07/19/2017 09:24:32
Refresh Network System	demoRack1vM.Subnet27	root	07/19/2017 09:23:59	07/19/2017 09:23:59	Completed successfully	07/19/2017 09:23:59
Update Network Config	demoRack1vM.Subnet27	root	07/19/2017 09:23:59	07/19/2017 09:23:59	Completed successfully	07/19/2017 09:23:59
Refresh Network System	demoRack1vM.Subnet27	root	07/19/2017 09:17:16	07/19/2017 09:17:16	Completed successfully	07/19/2017 09:17:16
Update Network Config	demoRack1vM.Subnet27	root	07/19/2017 09:17:16	07/19/2017 09:17:16	Completed successfully	07/19/2017 09:17:16

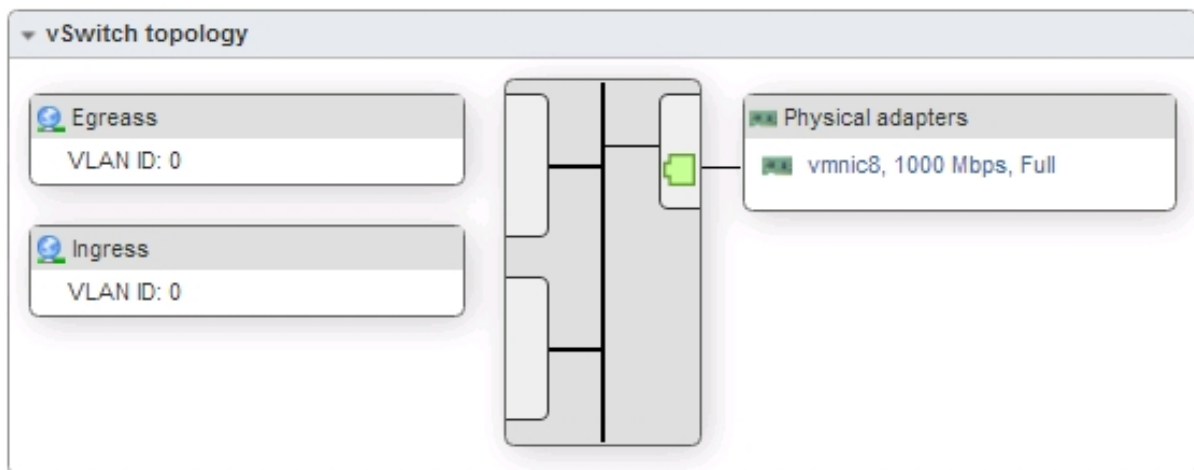
At the top of the **Networking** page, click **Virtual Switches**.



Click on the vSwitch you assigned the Port Groups to.



This displays the information about your vSwitch, the part of interest here is the vSwitch topology diagram, this displays a graphical representation of what you have just created. A larger view is below.



Remember, here we are looking at a graphical representation of our vSwitch, on the left we see the two **Port Groups** we just created. On the Right we see the **Physical Interface** that this vSwitch is connected to (vmnic8).

To use this **Port Group** / **vSwitch configuration**, you will need to use one of the Port Groups in your Virtual Machine configuration, you can see that [here](#).

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