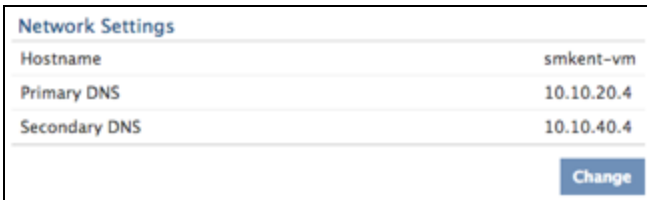


Configure ERSPAN with VMware

The Encapsulated Remote Switched Port Analyzer (ERSPAN) allows you to monitor traffic on multiple network interfaces or VLANs and then send the monitored traffic to one or more destinations. This guide explains how to configure ERSPAN on an installed ExtraHop appliance using the vSphere client running on a Windows machine. The guide assumes experience administering VMware ESX and ESXi environments.

To configure ERSPAN on an ExtraHop appliance, complete the following steps.

1. Log in to the Admin UI (https://<extrahop_ip>/admin).
2. Go to the **Network Settings** section and click **Connectivity**.

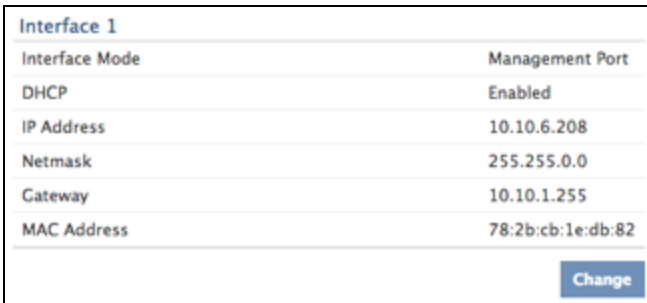


The screenshot shows the 'Network Settings' page. It contains a table with the following information:

Network Settings	
Hostname	smkent-vm
Primary DNS	10.10.20.4
Secondary DNS	10.10.40.4

A 'Change' button is located at the bottom right of the table.

3. Go to the **Interface 1** section and click **Change**.

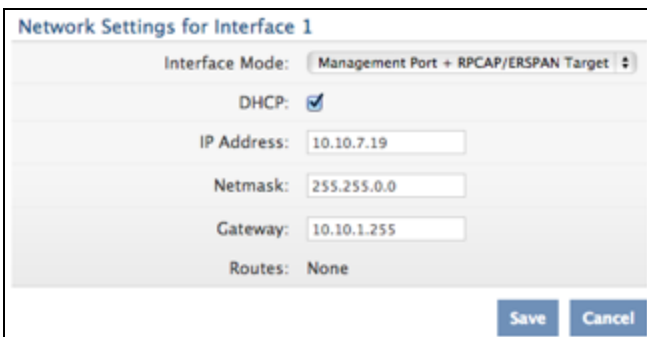


The screenshot shows the 'Interface 1' settings page. It contains a table with the following information:

Interface 1	
Interface Mode	Management Port
DHCP	Enabled
IP Address	10.10.6.208
Netmask	255.255.0.0
Gateway	10.10.1.255
MAC Address	78:2b:cb:1e:db:82

A 'Change' button is located at the bottom right of the table.

4. On the Network Settings for Interface 1 page, click the **Interface Mode** drop-down list and select **Management Port + RPCAP/ERSPAN Target**.

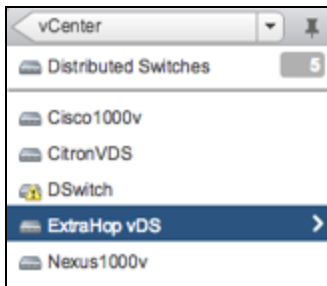


The screenshot shows the 'Network Settings for Interface 1' page. The 'Interface Mode' is set to 'Management Port + RPCAP/ERSPAN Target'. The 'DHCP' checkbox is checked. The 'IP Address' field contains '10.10.7.19', the 'Netmask' field contains '255.255.0.0', and the 'Gateway' field contains '10.10.1.255'. The 'Routes' field is set to 'None'. 'Save' and 'Cancel' buttons are at the bottom.

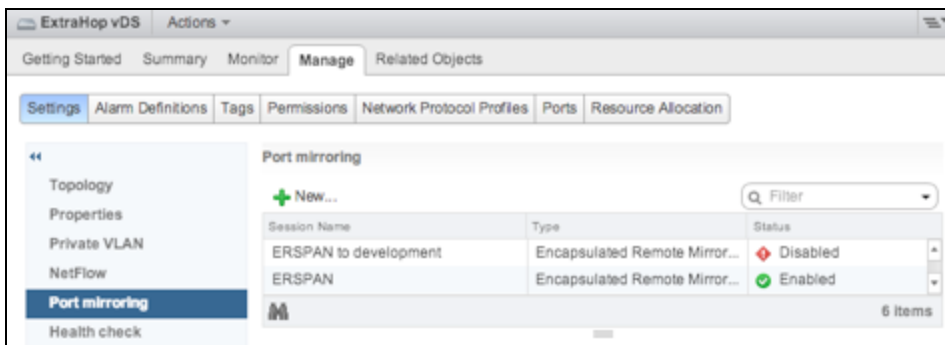
5. Complete the remaining fields and click **Save**.
6. Depending on your configuration set or disable the remaining interfaces.

For more information about setting up the network interfaces, refer to the *Connectivity* section of the *Admin UI Help*.

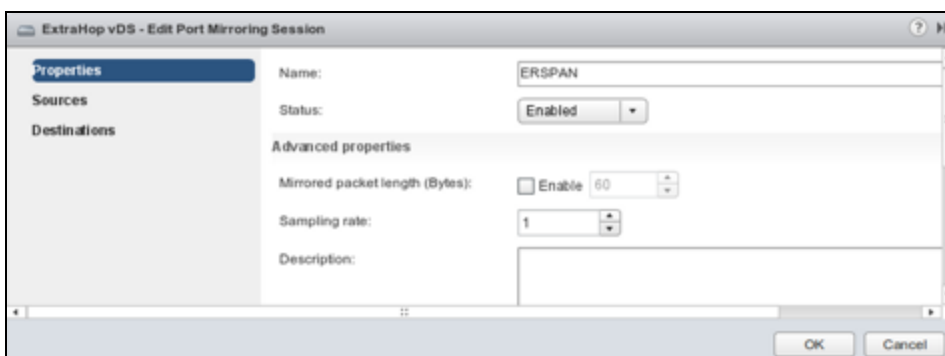
- Open vCenter and navigate to the virtual distributed switch (vDS) from which you want to monitor traffic.



- Click the **Manage** tab, click **Settings**, and click **Port Mirroring**.



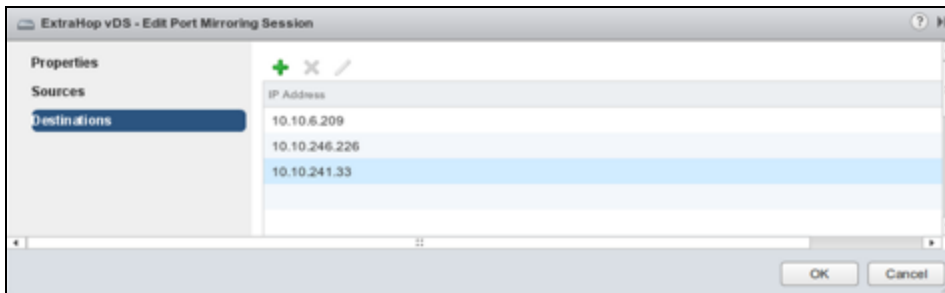
- Select a port mirroring session with Encapsulated Remote Mirroring (L3) Source enabled and click **Edit**. For more information about creating a port mirroring session, refer to vSphere documentation.
- In the **Properties** section, click the **Status** drop-down list and select **Enabled**.



- In the **Sources** section, create a source port with the following fields.



- In the **Destinations** section, click the green + sign to add IP addresses to receive the traffic.



- Click **OK** to save the changes and exit the editor window.

Consider turning off TCP segmentation offloading on the operating systems involved in forwarded communication.

- Log in to the ExtraHop Web UI (https://<extrahop_ip>/extrahop) to view monitored traffic.

Related Documentation

- VMware: *Select Port Mirroring Session Type with the vSphere Web Client*
- ExtraHop: *ExtraHop Admin UI Help*