Jumbo Frames in ESXi 5.1 and Later for Independent Hardware iSCSI with Qlogic Adapters

To enable Jumbo Frames for independent hardware iSCSI adapters in the vSphere Web Client, change the default value of the MTU parameter:

Use the Advanced Options settings to change the MTU parameter for the iSCSI HBA.

1. Browse to the host in the vSphere Web Client navigator.
2. Click the Manage tab, and click Storage.
3. Click Storage Adapters, and select the independent hardware iSCSI adapter from the list of adapters.
4. Under Adapter Details, click the Advanced Options tab and click Edit.
5. Change the value of the MTU parameter.

Configuring Jumbo Frames on a vSphere Standard Switch

To configure Jumbo Frames on a vSphere Standard Switch:

1. Log into the vSphere Client and select the Hosts and Clusters inventory view.
2. On the host **Configuration** tab, click **Networking**.
3. Click **Properties** for the vSphere standard switch associated with the VMkernel to modify.
4. On the **Ports** tab, select the VMkernel interface and click **Edit**.
5. Set the MTU to `9000`, and click **OK**.

Note: To create a Jumbo Frames-enabled vNetwork Distributed Switch and its associated VMkernel interfaces, see Enabling Jumbo Frames for VMkernel ports in a virtual distributed switch (1038827).

To create a Jumbo Frames-enabled VMkernel interface on a vNetwork Standard Switch:

1. Log directly into the ESX host console.
2. Obtain the current vSwitch and portgroup configuration with the `esxcfg-vswitch` command:

   ```
   # esxcfg-vswitch -l
   ```

3. To create a VMkernel interface with Jumbo Frames support, we first need to create a portgroup on an existing vSwitch:

   ```
   # esxcfg-vswitch -A vmkernel_port_group_name vSwitch#
   ```

   Note: If you plan to have a vSwitch which just contains the iSCSI port group, you can

specify the MTU for the vSwitch to be 9000 and need to specify the MTU of 9000 when creating the VMkernel port as well in the next step. To configure a vSwitch to use Jumbo Frames (MTU 9000):

```
# esxcfg-vswitch -m 9000 vSwitch#
```

4. To create a VMkernel connection with Jumbo Frame support:
    - Run this command for ESX 3.5 and ESX/ESXi 4.x:

      ```
      # esxcfg-vmknic -a -i ip_address -n netmask -m MTU
      portgroup_name
      ```

      Note: If the vmnic port is already created, use the command for ESX/ESXi 4.1 only:

      ```
      # esxcfg-vmknic -m 9000 portgroup_name
      ```

    - Run this command for ESXi 5.x:

      ```
      # esxcli network ip interface set -m 9000 -i
      vmk_interface
      ```

5. To display a list of VMkernel interfaces, and to check that the configuration of the Jumbo Frame-enabled interface is correct:
    - Run this command for ESX 3.5 and ESX/ESXi 4.x:

      ```
      # esxcfg-vmknic -l
      ```

    - Run this command for ESXi 5.0:

      ```
      # esxcli network ip interface list
      ```