DashBoard Resolution of BlackStorm IP Addresses

BlackStorm Video Servers are equipped with multiple network interface cards (NICs), which you might need to use for different purposes. For example:

- **NIC 1** – editing stations use this NIC to upload media files to the BlackStorm Server.

- **NIC 2** – controllers use this NIC to control BlackStorm Server playout.

In most situations the IP address assigned to each NIC belongs to a different subnet. Unless explicitly allowed by your Network Administrator, communication between subnets is not permitted. To ensure that Dashboard communicates with your BlackStorm Server through the correct NIC you need to create new `connections-props.xml` file and modifying NIC binding order on your server.

The connections-props.xml File

After installing BlackStorm Server software on a BlackStorm Server computer the installer automatically starts the BlackStorm Web Server, which in turn creates a `connection-props.xml` file in the `C:\Ross\BlackStorm\connect` folder. The `connection-props.xml` file contains information about the BlackStorm Server that DashBoard uses to make a connection to nodes in the Tree view.
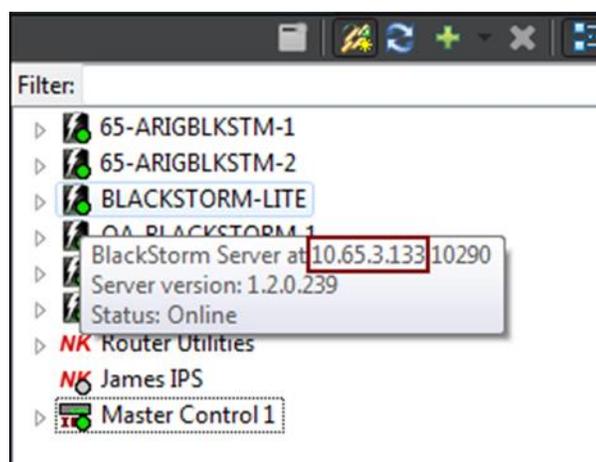
Figure 1 *BlackStorm Server Node in the DashBoard Tree View*

The BlackStorm Web Server uses the IP address specified by the `m_boundAddress` parameter in the `C:\Ross\BlackStorm\SOAPConfig.xml`.file as node IP address in the `connection-props.xml` file. When the `m_boundAddress` parameter does not contain an IP address, the BlackStorm Web Server uses the BlackStorm Server computer name.

The `SOAPConfig.xml` file does not exist when the BlackStorm Web Server starts for the first time, which results in the computer name being saved in `connection-props.xml` instead of an IP address. When you add a node to the DashBoard Tree view, DashBoard copies the `connection-props.xml` file to the computer running DashBoard and uses it to set the IP address for the new node.

Be aware that when the `connection-prop.xml` file contains the BlackStorm Server computer name and both of the BlackStorm Server NICs are enabled, that the Windows OS selects the IP address to which to bind. Letting the Windows OS select the IP address to which to bind can occasionally lead to problems when Dashboard tries to connect to an IP address that the BlackStorm Server is not listening on. To fix this problem, complete the following procedures:

- **To create a new connection-prop.xml file** on page 2.

- **To modify the NIC binding order in Windows 7** on page 3.

To create a new connection-prop.xml file:

1. On the BlackStorm Server computer, open the **Windows Task Manager**.

2. Click the **Service** tab.

3. In the **Name** column, right-click the **BlackStormHttpService** service and select **Stop Service** from the **Shortcut** menu.
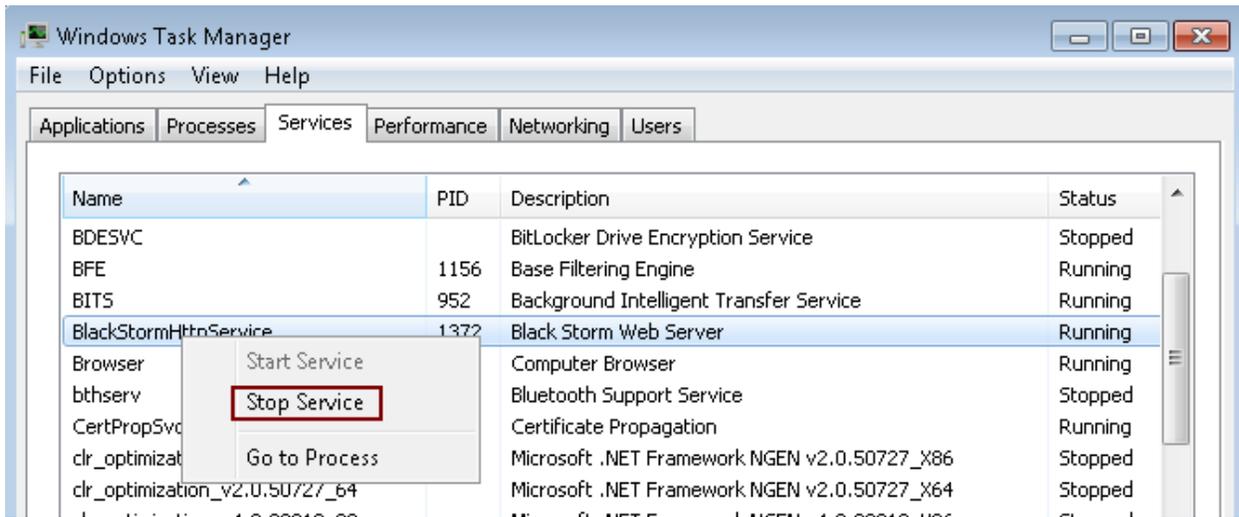
4. Delete the `C:\Ross\BlackStorm\connect\connection-props.xml` file.

5. Use a text editor to open the `C:\Ross\BlackStorm\SOAPConfig.xml` file.

6. Change the value of the `m_boundAddress` parameter to the IP address of your BlackStorm Server.

7. Save the updated `SOAPConfig.xml` file.

8. In the **Windows Task Manager**, right-click the **BlackStormHttpService** service and select **Start Service** from the **Shortcut** menu.
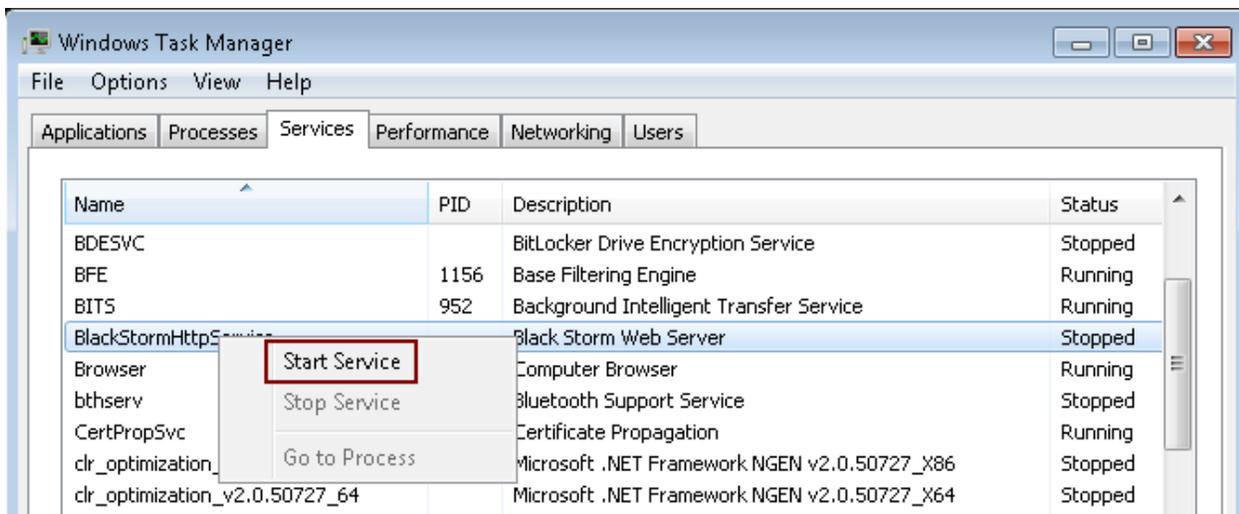
9. Close the **Windows Task Manager**.

To modify the NIC binding order in Windows 7:

1. Open the **Network Connections** dialog box.
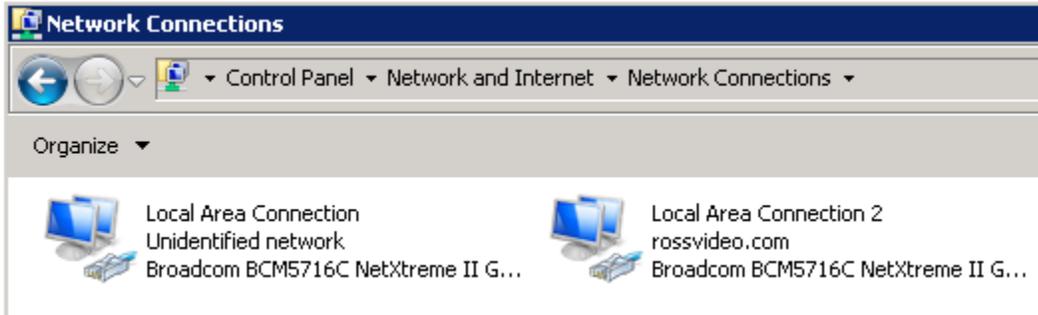
2. Press **ALT** to display the **Menu** toolbar.

3. Use the **Advanced** menu to select **Advanced Settings**.
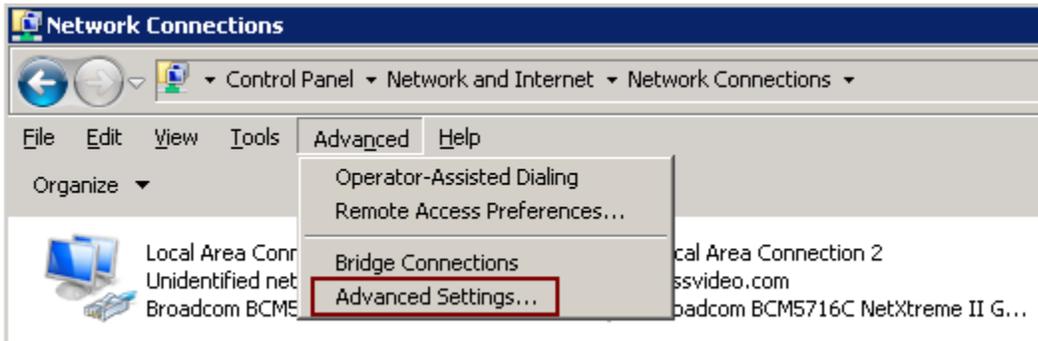
4. Reorder the **Connections** list so that the NIC with the desired IP is at the top of the list.
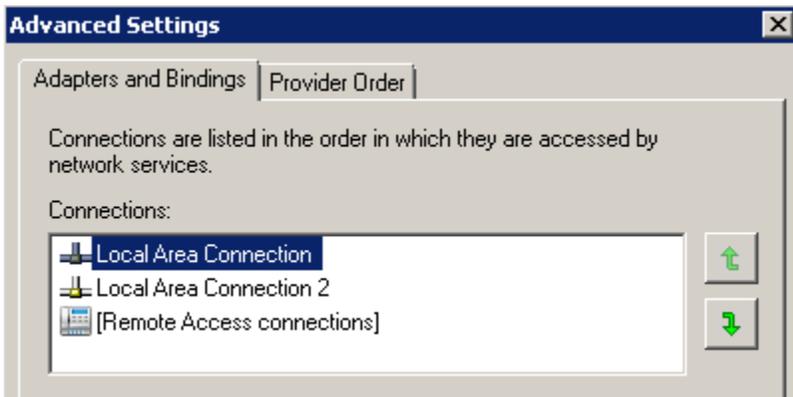
5. Close the **Network Connections** dialog box.

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