White Paper

DSS 5.0
# Cluster Server Configuration

Document Summary
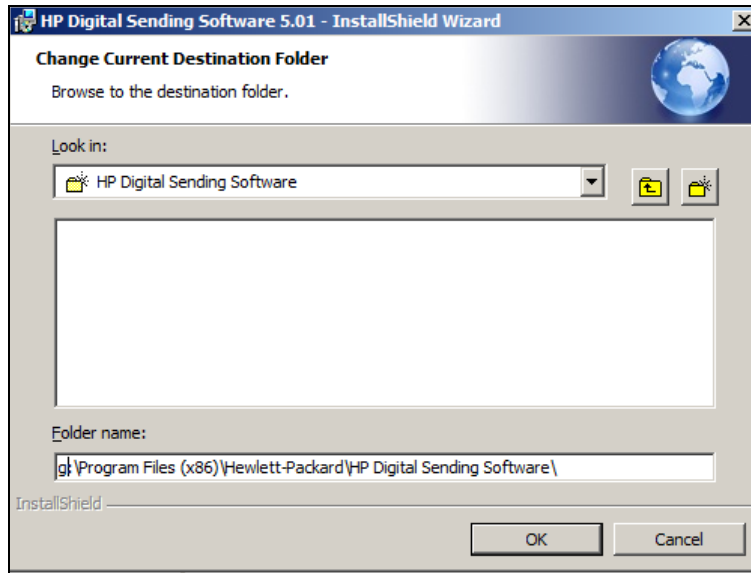Step-by-step setup of DSS 5 in a Windows 2008 R2 cluster server environment.

I. On the cluster node that has ownership over the quorum and shared cluster storage, create a new environment variable, DSS_SERVER_IP with the value being the cluster server IP address.

> **Note**:   *Make sure that the DSS_SERVER_IP value is the cluster server IP and not the node or heartbeat IP.*

II. On the cluster node machine that has ownership over the quorum and data shared cluster storage, you need to install DSS (be sure to install to the shared drive rather than the C: drive).

1. When the installer prompts for a Destination folder. Change the destination to the shared storage.
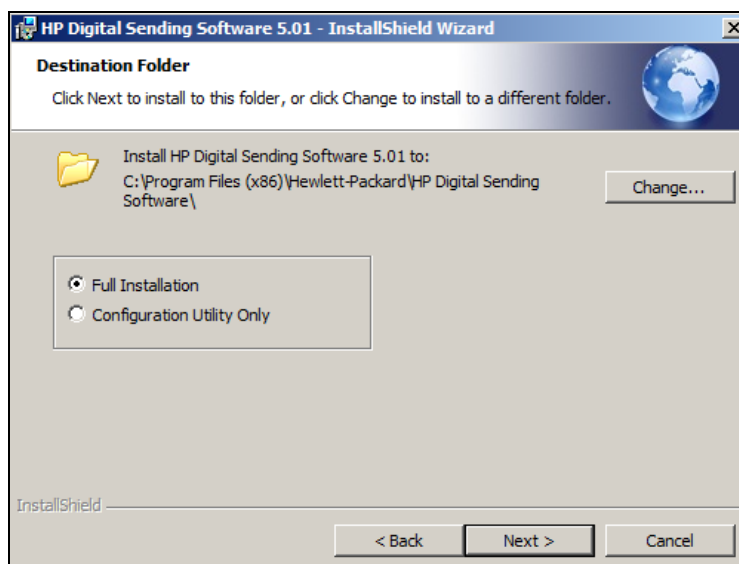
2. The easiest way to go about this is to change the installation drive from C: to the shared storage drive during the installation process, keeping the default installation path unchanged.


III. In Windows Services console, stop the HP MFP Digital Sending Software and the SQL Server (HPDSS2008) Service:

IV. Export the DSS installed Certificates to the shared cluster storage.

1. Copy **DssCertificates.zip** to the shared cluster storage and extract the zip file.
2. From within the extracted files execute **ExportCerts.bat**. This should save two **.pfx** certificates to the same directory the script was executed.
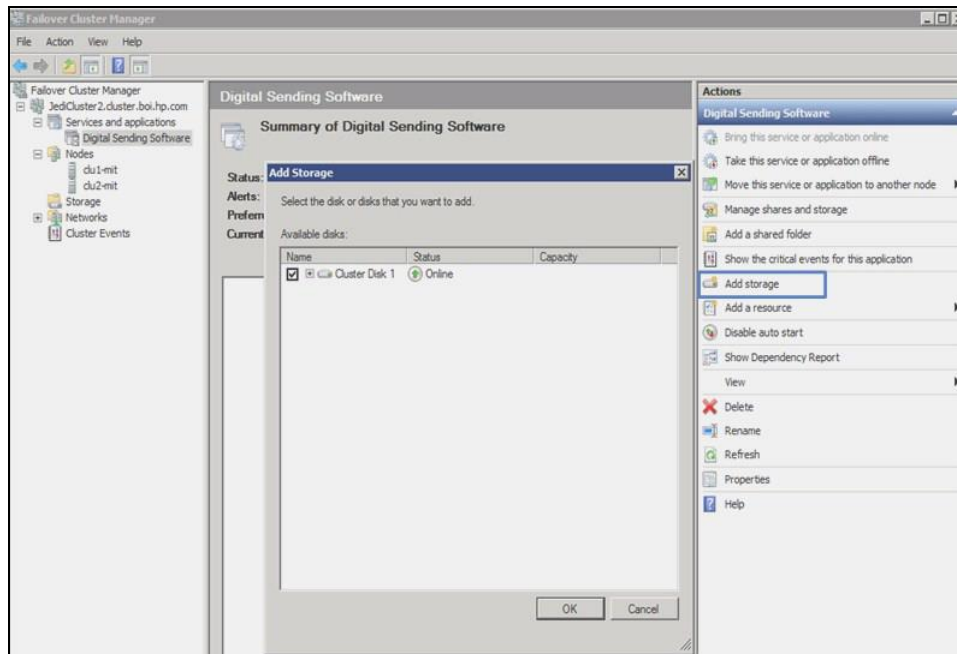
V.   DSS configuration is complete on this node. Using the **Failover Cluster Manager** force the shared resources to another node in the cluster.

VI.   On the new node that has ownership over the quorum and data shared cluster storage, create a new environment variable DSS_SERVER_IP with the value being the cluster server IP address.

VII.   Run the DSS install.

> **Note**:   *Make sure to select a custom install and specify the install path to be the same location as the install on the previous node.*

VIII.   In Windows Services console, stop the HP MFP Digital Sending Software and the SQL Server (HPDSS2008) Service.

IX.   Execute **ImportCerts.bat** that is in the DssCertificates directory on the shared cluster storage.

X.   In the Windows Services Console, start the SQL Server (HPDSS2008) and the HP MFP Digital Sending Software Service.

XI.   Configure DSS as a failover application in **Failover Custer Manager**.

1.   Open **Failover Cluster Manager**.
2.   Expand your cluster server. Right-click **Services and applications,** select **More Actions… ,** and then select **Create Empty Service or Application.**
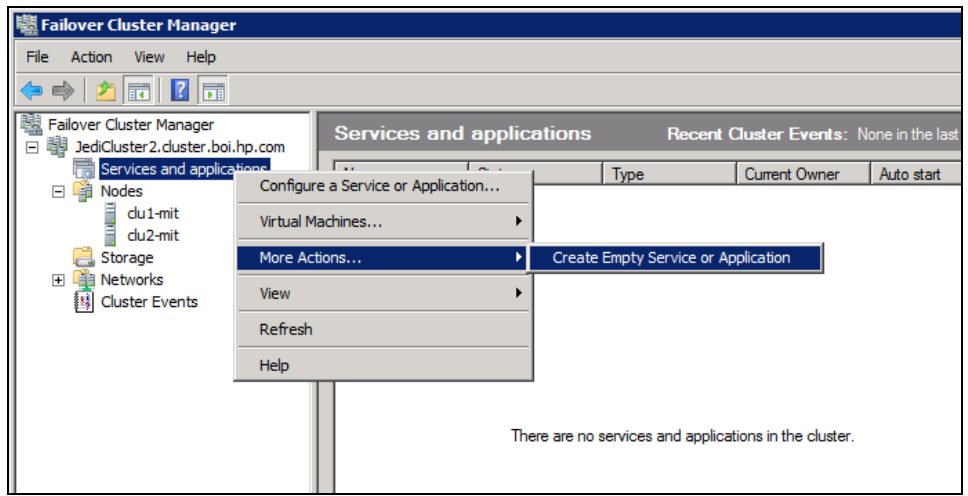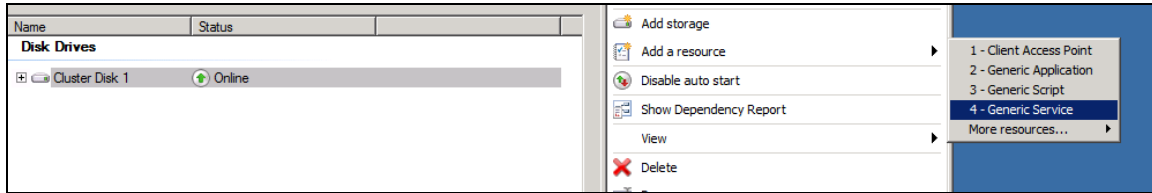
3. Right-click the **New service or application** and select **Rename**.

   Rename the application to Digital Sending Software. (You can use any naming convention that works best for you or the standard naming convention of your business.)
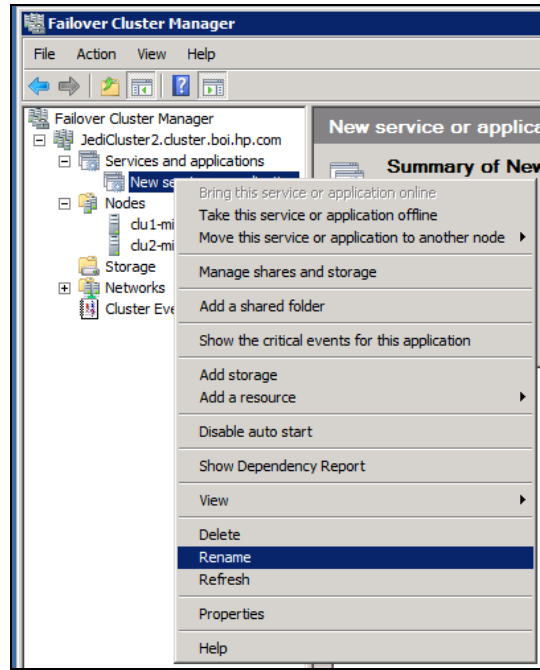

4. Select the Digital Sending Software application selected, select **Add storage** from **Actions**. Select the shared storage that DSS has been installed on:

5. Select **Add a resource** from **Actions**. Select **Generic Service**.

Name	Status	
Disk Drives		
⊞ 🖴 Cluster Disk 1	🔼 Online	

- 🗄 Add storage
- 📄 Add a resource ▶
  - 1 - Client Access Point
  - 2 - Generic Application
  - 3 - Generic Script
  - **4 - Generic Service**
  - More resources… ▶
- 🔄 Disable auto start
- 📄 Show Dependency Report
- View ▶
- ❌ Delete

6. Select **SQL Server (HPDSS2008)** from the services list. Accept all the default options from the rest of the **New Resource Wizard**.
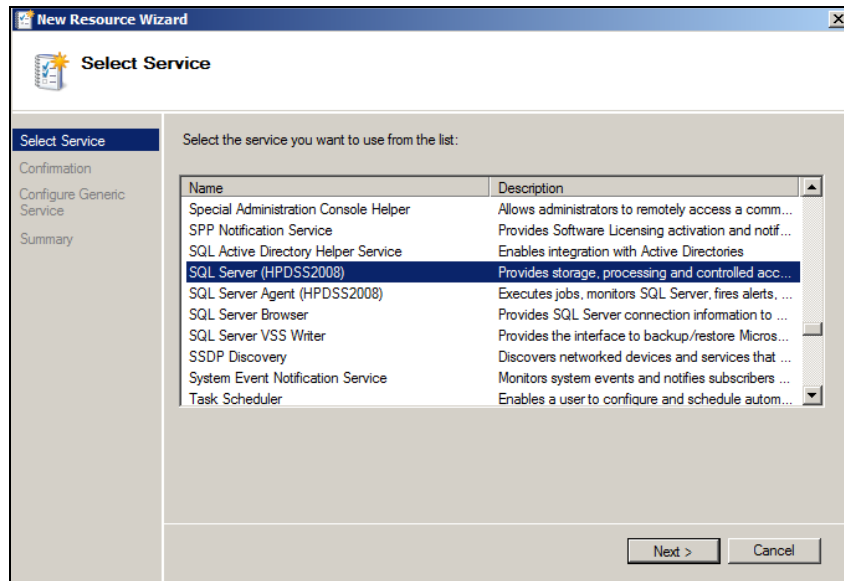

7. Repeat steps 5 and 6 to add the HP MFP Digital Sending Software service as resources the same way the **SQL Server (HPDSS2008)** service was added.

8. When all the resources have been added, the **Summary of Digital Sending Software** should look similar to the below configuration figure.
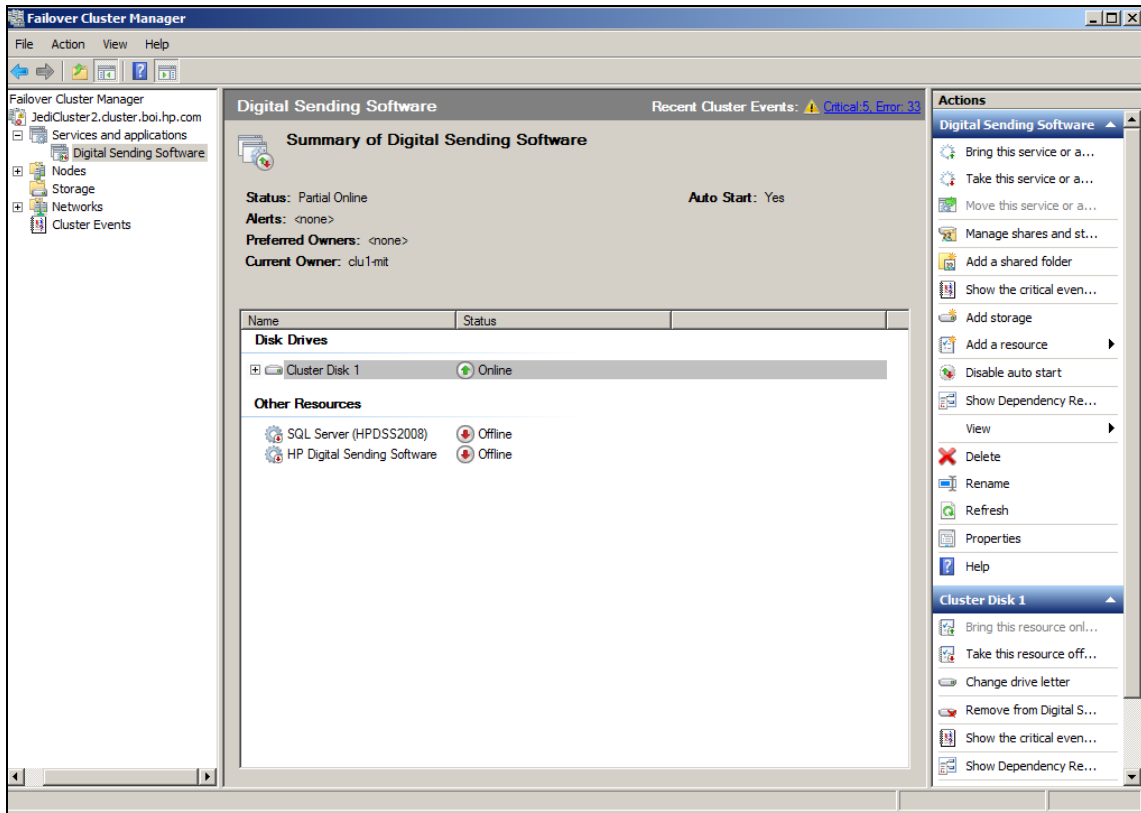
9. Configure Service Dependencies.

    i.   Right-click on the **HP Digital Sending Software Resource** and select
         Properties. In the **Properties** dialog select the **Dependencies** tab.
         Add dependencies for **SQL Server (HPDSS2008)** and the shared
         storage. The dependencies should look similar to the below
         configuration figure.
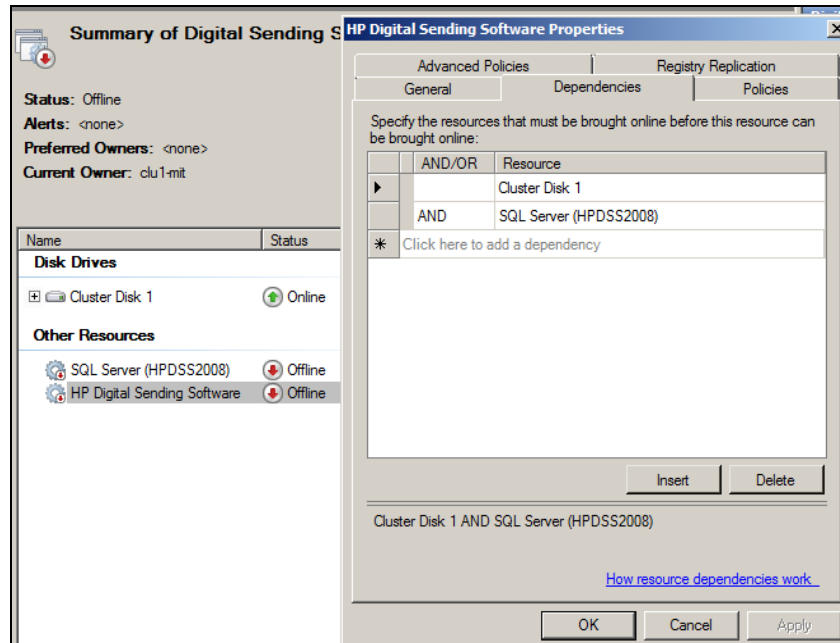
    ii. Add **Dependencies** to SQL Server (HPDSS2008) resource.
         Add **Dependencies** for the shared storage:
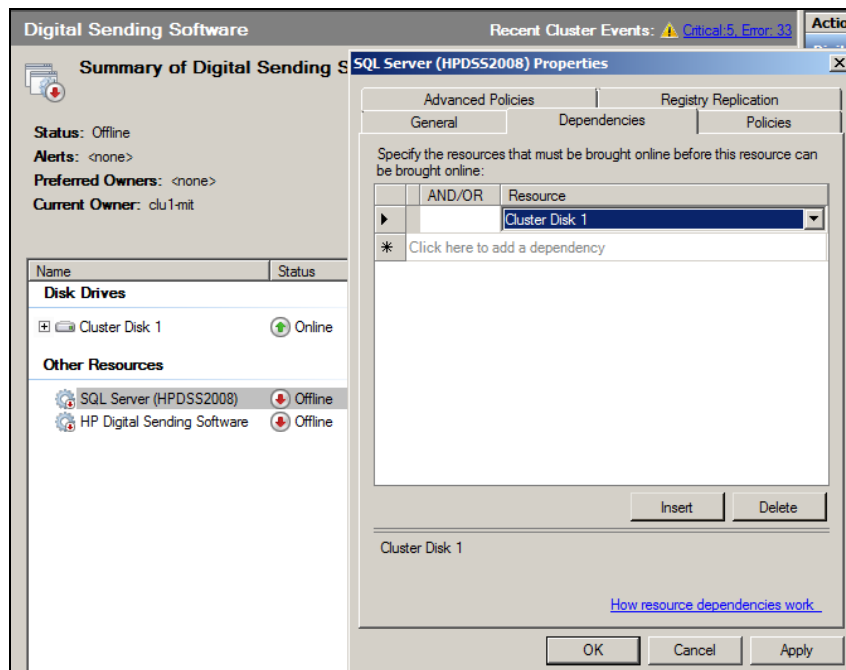
10. Right-click the **Digital Sending Software** application and select **Bring the service or application online**.