Application Note

November 2013

Installing and Configuring the SnapSAN vSphere Web Plug-in

Summary

This application note describes how to install the SnapSAN vSphere Web Plug-in and configure a SnapSAN S3000 or S5000 array using the VMware vSphere Web Client.

Required Information, Tools, and Files

Before you begin these procedures, the following information, tools, and files are required.

Prerequisites

Prior to performing these procedures, ensure that you have the following:

- Overland Storage SnapSAN S3000/S5000 Disk Array must be installed and configured. You can get additional technical support from our website at http://support.overlandstorage.com, or by contacting Overland Storage using the information found on the Contact Us page on our web site.

- This document assumes that the storage pool and logical disk have already been created. Additional information on binding a pool and logical disks can be found in the *SnapSAN S3000/S5000 Disk Array User Guide* available at http://docs.overlandstorage.com/snapsan.

- This document assumes that the VMware vCenter Server and vSphere Web Client are already installed and running, and that the reader has a general understanding and familiarity with the VMware ESXi 5.1 environment. Any and all additional information can be attained through the VMware Knowledge Center.

- Your vCenter Server credentials are also part of the requirements and will be used during the installation and configuration of the SnapSAN vSphere Web Plug-in.

- Verify that the following are installed on the server:
  - Java Runtime Environment (JRE)
  - vCenter server and vSphere web client.

Versions

The test environment used for illustration in this document uses the following versions:

- VMware ESXi, 5.1, 799733
- VMware vCenter Server, 5.1, 799733
- VMware vSphere Web Client 5.1.0, Build 786111
- Java JRE version 7 update 40
- Emulex LPe11000
- SnapSAN S5000 software version 082R.007
- SnapSAN S5000 firmware version U22R.007
- Overland SnapSAN vSphere Web Plug-in version 1.1.001

Installing the vSphere Web Plug-in

1. From the SnapSAN vSphere Web Plug-in installation package, double-click the installation setup file.

2. When the installation wizard is launched, click **Next**.

3. Read and accept **terms** of the license agreement, and continue.

4. **Browse** the installation location and click **Next**.

5. Provide the **Port Numbers** (1, 2, 3 and 4) you want to use for the plug-in, and click **Next**.

6. Provide the VMware vCenter Server **IP Address** and **HTTPS** port number, and click **Next**.

7. Provide the **credentials** required to connect to the vCenter Server, and click **Next**.

   The following command prompt pops up and the plug-in registration for the VMware vCenter Server starts.

   NOTE: Do not close this window when it appears.
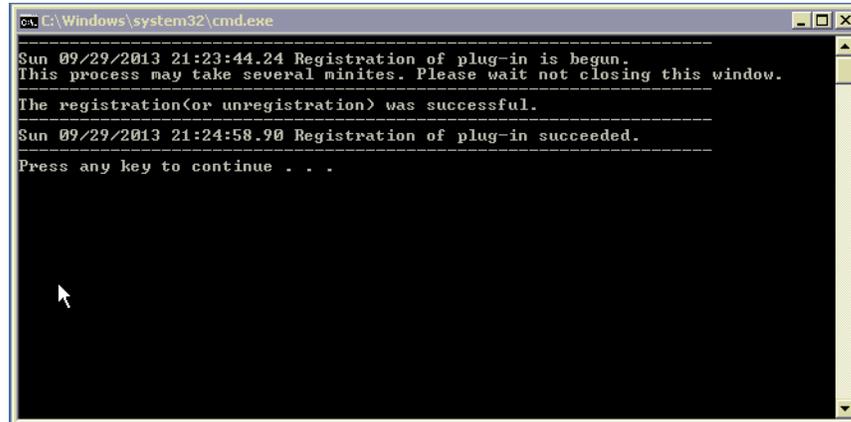
8. Once the plug-in registration completes, when prompted, press **any key** to continue.
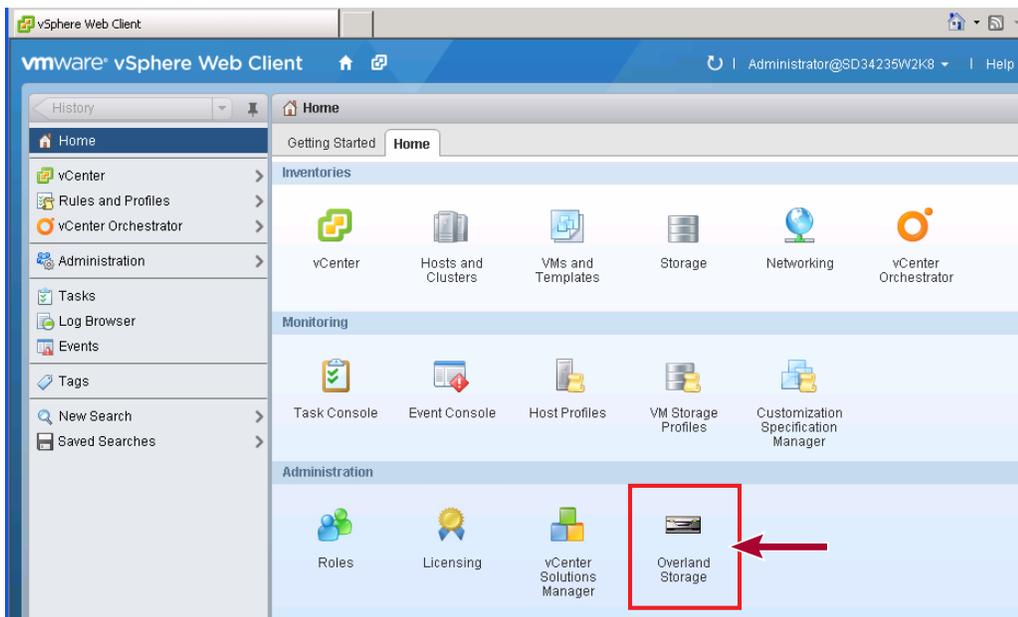
9. Click **Finish**.

Configuring the vSphere Web Plug-in

1. Access the URL https://localhost:9443/vsphere-client or navigate to the path **Start > All Programs > VMware > vSphere Web Client**.

2. To login to the vSphere web client, enter your **User Name** and **Password**, and click **Login**.
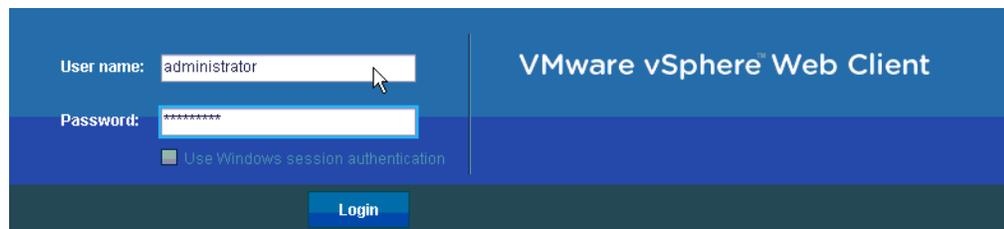
3. At the **Home** tab, select the **Overland Storage** icon.

4. Click **Add Disk Array**.

5. Provide details for the following:
   - **IP Address for Connecting**
   - **User Name**
   - **Password**


6. Click **Connect**.

7. Click **Save**.

Binding a Logical Disk and Assigning it to a Host

1. From VMware vSphere Web Client console, navigate to **vCenter > Hosts and Clusters**.

2. Bind a **pool** on the SnapSAN disk array through the **Overland Storage** tab.

   NOTE: If the required free capacity is already available in a pool on the storage array, then you can skip this step.

3. From the **left** pane of the vSphere Client console, click the **Host** to which LUNs will be assigned.

4. From the **right** pane of the vSphere Client console, select the **Overland Storage** tab.

5. Right-click the name of the ESXi host server and select **All Overland Storage Actions > Logical Disk Bind and Assignment**.
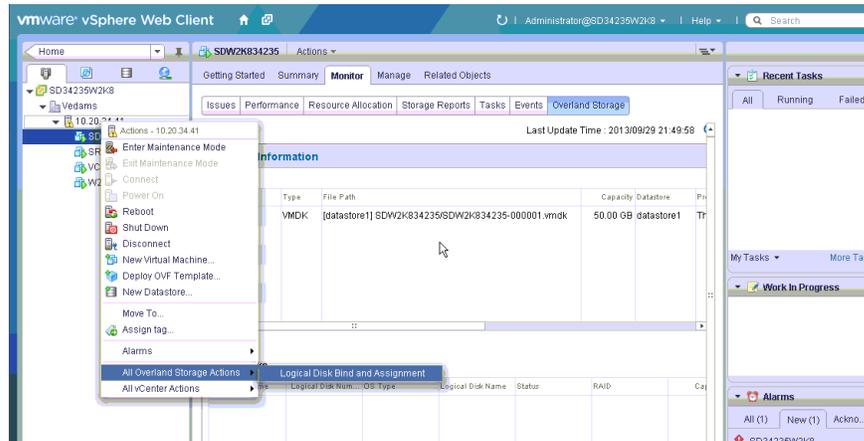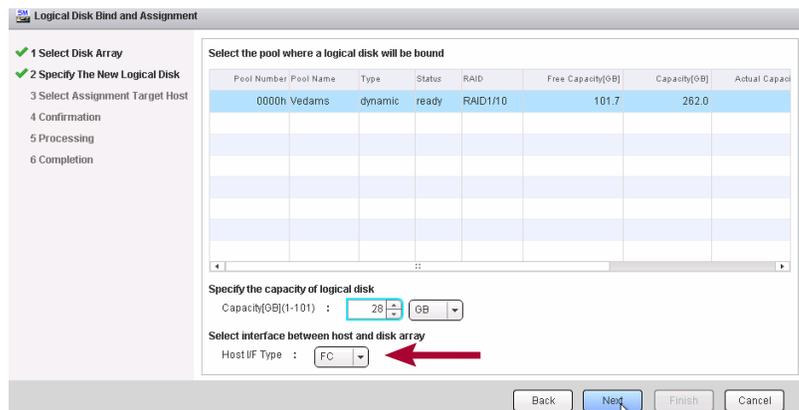

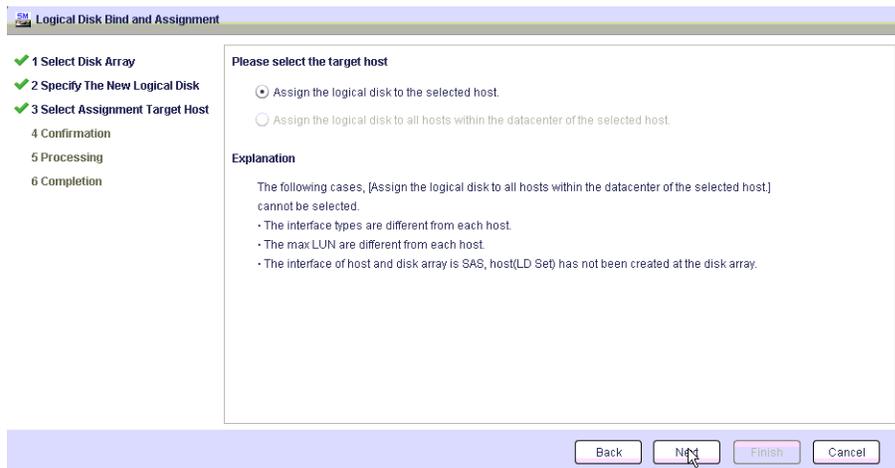6. Select the **disk array** where a logical disk will be bound, and click **Next**.
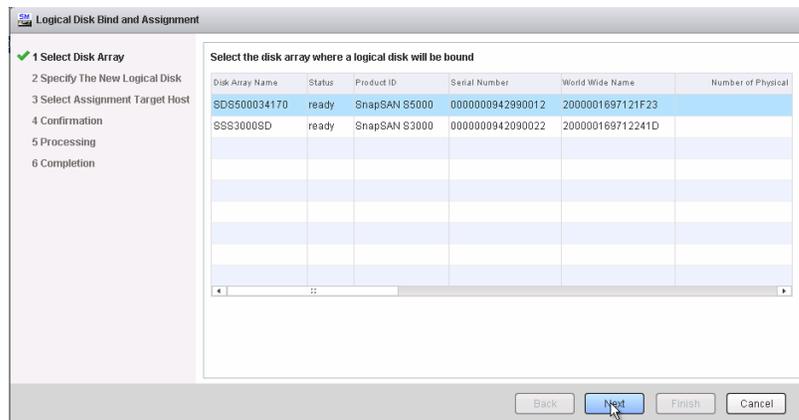
7. At the screen showing the bound pools in the particular disk array selected, provide the following **details**:

   • Select the **Pool**.

   • In the **Logical Disk Capacity** field, specify the **LUN size**.

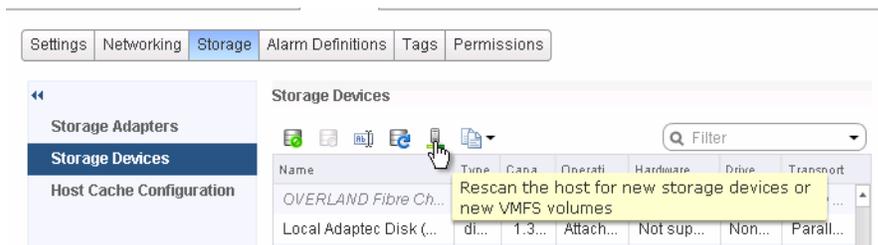8. Select either **FC** or **iSCSI** as the Host Interface.

9. Click **Next**.

10. Select the **Target Host** and click **Next**.

11. Click **Set**.

12. Click **Finish**.

Verifying the Datastore Details

1. From the VMware vSphere Web Client, navigate to **vCenter > Hosts and Clusters**.

2. From right side, navigate to the **Manage > Storage Devices** and select **Rescan**.

3. At the scan options screen, click **OK**.

4. Under **Storage Devices**, select the datastore to be checked.

The particular datastore details are displayed under the **Device Details** section.