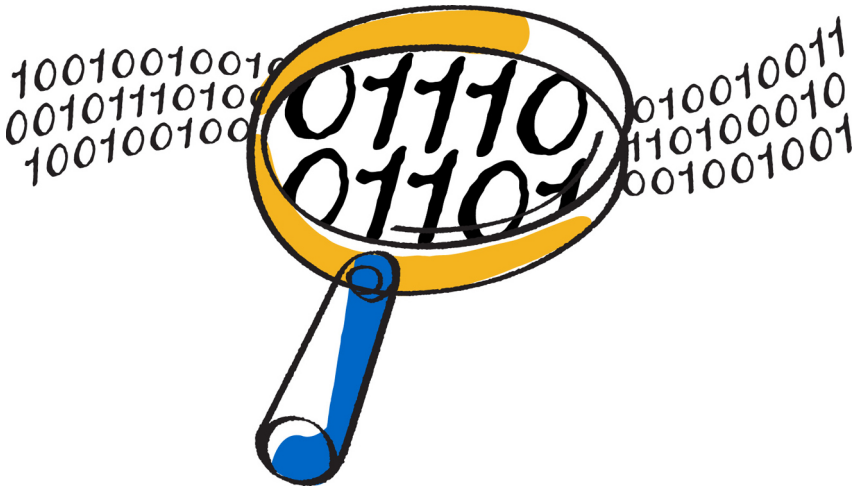
SnapDrive® 7.1 for Windows®

Quick Start Guide

For Clustered Data ONTAP



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Part number: 215-09547_A0
November 2014

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Getting started quickly with SnapDrive for Windows in a cluster environment

It is helpful to familiarize yourself with an overview of the best practices for installing and setting up SnapDrive for Windows in clustered ONTAP.

The *SnapDrive for Windows Quick Start Guide for Clustered Data ONTAP* describes how to set up SnapDrive for Windows in a clustered Data ONTAP environment. It assumes that you have met prerequisites for installation, as described in *SnapDrive for Windows Installation Guide*. You can use the guide for information about how to perform the following tasks:

- Understanding your system requirements
- Setting up your Storage Virtual Machine (SVM)
- Unlocking your vsadmin account
- Installing SnapDrive for Windows

For complete information about installing SnapDrive for Windows, you can review the *SnapDrive for Windows Installation Guide* for the following additional topics:

- SnapDrive for Windows licensing requirements
- Preparing your hosts for SnapDrive for Windows
- Configuring access for SnapDrive for Windows
- Installing or upgrading components using iSCSI or FC protocols
- Installing or upgrading SnapDrive for Windows
- Remotely installing or upgrading SnapDrive for Windows from SnapManager for Hyper-V
- Installing SnapDrive for Windows on Server Core systems
- Installing SnapDrive for Windows on systems without internet access
- Unattended SnapDrive for Windows installation command-line reference

For additional information about installing and setting up SnapDrive for Windows in clustered Data ONTAP environments, see *How to configure SnapDrive for Windows 7.0.x with clustered Data ONTAP 8.1.3 and 8.2* (login required).

SnapDrive for Windows supported components and system requirements

You must ensure that your storage system and your Windows system meet at least the minimum requirements to properly install and run SnapDrive for Windows.

Note: These SnapDrive for Windows system requirements are accurate as of the date of publication. However, requirements and supported versions might change after the release. For the latest system requirements information, see the Interoperability Matrix at *mysupport.netapp.com/matrix*.

Component	Supported versions
Supported Data ONTAP storage system versions	• Data ONTAP 8.3 operating in cluster environments • Data ONTAP 8.2.2 operating in 7-Mode and cluster environments • Data ONTAP 8.1.4 operating in 7-Mode and cluster environments • Data ONTAP Edge
Operating systems on the Windows host machine	• Windows Server 2008 • Windows Server 2008 R2 • Windows Server 2012 • Windows Server 2012 R2
.NET Framework requirements	• .NET Framework 3.5 SP1 • .NET Framework 4.0 You must install both .NET Framework 3.5 SP1 and 4.0.
DSM	• Native Microsoft DSM • Data ONTAP DSM 4.0 (supports Windows Server versions earlier than 2012 R2) • Data ONTAP DSM 4.1 P1

Component	Supported versions
Windows hotfixes required for your operating system	Windows Server 2012 R2: • *2903939* Windows Server 2012: • *2859162* • *2894032* Windows Server 2008 R2: • *2522766* • *2528357* • *2494016* • *2520235* • *2531907* • *974930*
Windows PowerShell	• Windows PowerShell 2.0 • Windows PowerShell 3.0 • Windows PowerShell 4.0
Windows Host Utilities Kit	• Windows Host Utilities Kit 6.0.1 • Windows Host Utilities Kit 6.0.2 • Windows Host Utilities Kit 7.0
ESXi	• ESXi 5.0 • ESXi 5.1 • ESXi 5.5
Virtual Storage Console	• 4.2.1 • 4.2.2 • 5.0

Setting up your Storage Virtual Machine (SVM)

Before you install SnapDrive for Windows, you must set up your SVM. You can do this using either your clustered Data ONTAP command-line interface or your OnCommand System Manager.

Setting up your Storage Virtual Machine (SVM) using the Data ONTAP command-line interface

If are using the command-line to set up your SVM, you need to assign the aggregate to your SVM, create data LIFs, and create a management LIF.

Steps

1. Assign all of your aggregates to the SVM if your SVM was created by command-line:

   #### Example

   ```
   cserver::> vserver modify
   -vserver vservername
   -aggr-list aggrname
   ```

2. Create one or more data LIFs.

   #### Example

   You can use the following syntax to create a data LIF:

   ```
   cserver::>network interface create
   –vserver <Vserver name>
   -role data
   –data-protocol <protocol type>
   -lif <lif name>
   -home-node <node name>
   -home-port <port name>
   -address < IP address>
   -netmask <netmask>
   -status-admin up
   –firewall-policy data
   ```

3. Create a management LIF.

Example

You can use the following syntax to create a management LIF:

```
cserver::> network interface create
–vserver <Vserver name>
-role data
–data-protocol none
–lif <lif name>
-home-node <node name>
-home-port <port name>
-address <IP address>
-netmask <netmask>
-status-admin up
–firewall-policy mgmt.
```

Note: Set the DNS resolution of your SVM name to match the management LIF. The name you use must resolve to the exact same name as the SVM.

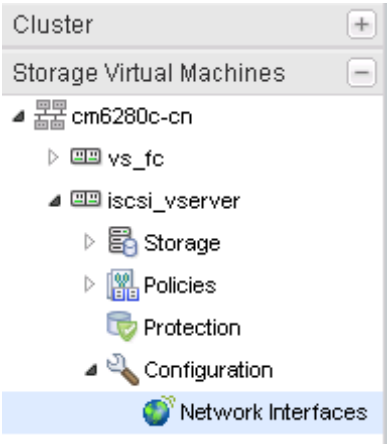
Setting up your Storage Virtual Machine (SVM) using OnCommand System Manager

When you set up the SVM using OnCommand System Manager, create data LIFs and a management LIF. If you created the SVM using OnCommand System Manager, the aggregate is assigned during the time of creation.

Steps

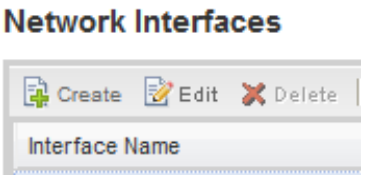
1. In OnCommand System Manager, click Storage Virtual Machines | Configuration | Network Interfaces:

Example



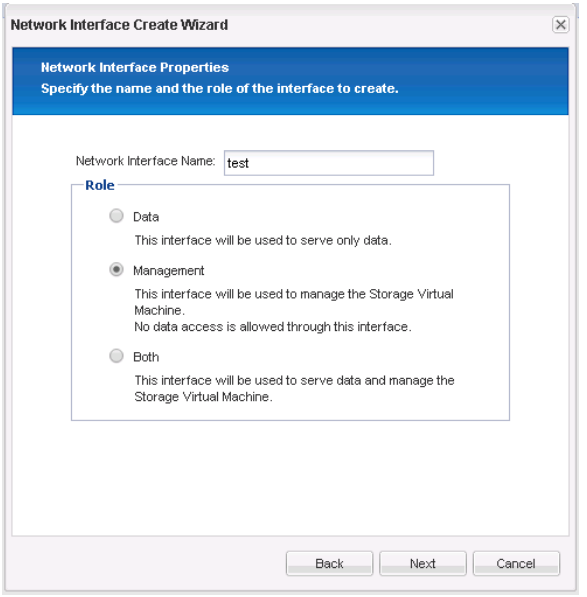
2. Select the **Network Interface** tab and click the **Create** button in the upper left corner:

Example



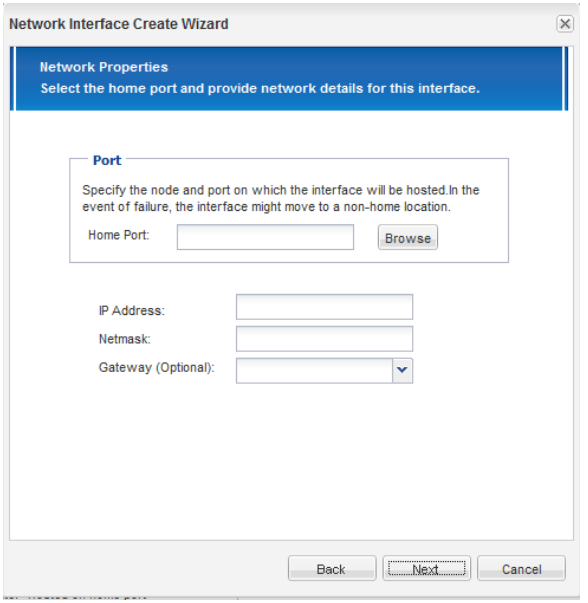
3. In the **Network Interface Create Wizard**, select the appropriate role (management for a management LIF and data for a Data LIF), and click **Next**:

Example



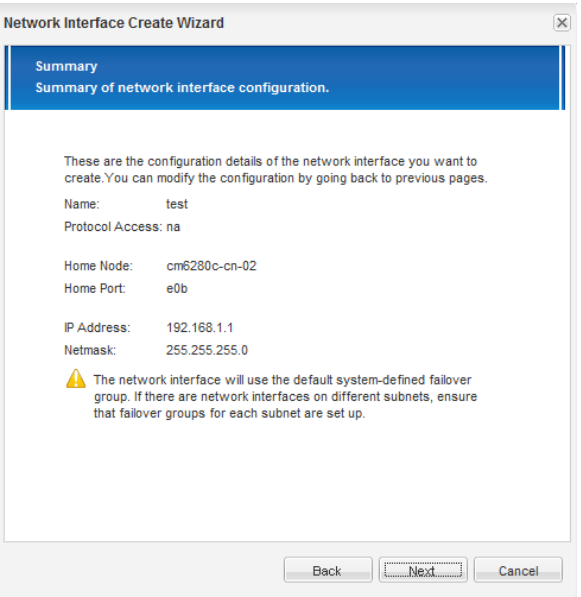
4. Select the home port for the LIF and enter the required information:

Example



5. Click **Next** and you are presented with a summary page:

Example



6. Click **Next** again and the settings are applied and your new LIF is created.

Unlocking your vsadmin account

After setting up your Storage Virtual Machine (SVM), you need to either unlock your vsadmin account or create a new user with vsadmin privileges. You can unlock your vsadmin account using either the clustered Data ONTAP command-line interface or OnCommand System Manager.

Unlocking your vsadmin account using the Data ONTAP command line

After setting up your Storage Virtual Machine (SVM), you must unlock your vsadmin account. You can do this using the clustered Data ONTAP command-line interface.

Steps

1. Set your password using the following syntax:

   Example

   ```
   cserver::> security login password
   –username vsadmin
   –vserver <Vserver name>
   ```

2. Specify your password when prompted.
3. Unlock your user account by using the following syntax:

   Example

   ```
   cserver::> security login unlock
   –username vsadmin
   –vserver <Vserver name>
   ```

Unlocking your vsadmin account using OnCommand System Manager

After setting up your Storage Virtual Machine (SVM), you must unlock your vsadmin account. You can do this using OnCommand System Manager.

Steps

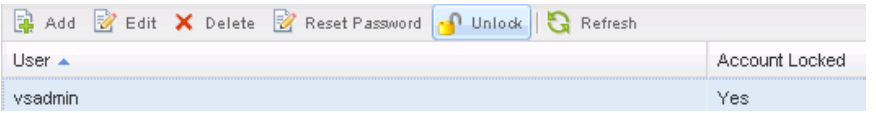
1. Log in to the cluster and select the appropriate SVM.
2. Navigate to Configuration | Security | Users:

   Example

3. Highlight the vsadmin user and select **Unlock** in the top menu bar:

   Example

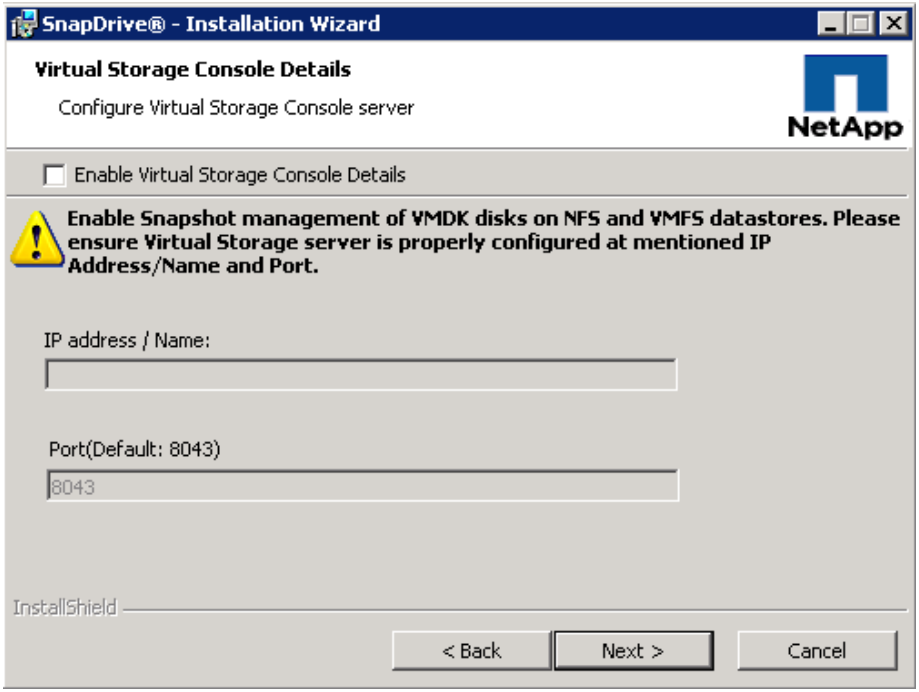
4. Enter the password you want to use for your vsadmin user account.
5. Select **Change** to unlock your vsadmin user account.

Installing SnapDrive for Windows

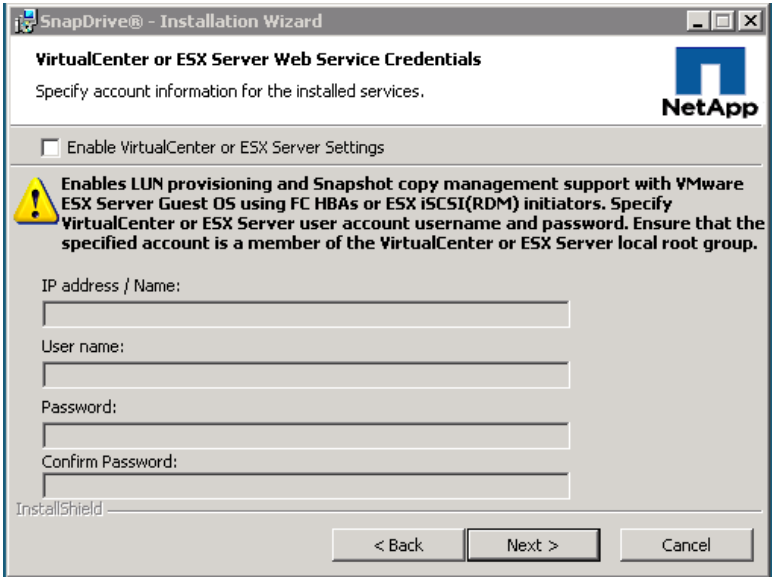
You can use the following steps to install SnapDrive for Windows.

Steps

1. Launch the SnapDrive for Windows installer and follow the wizard instructions.
2. When prompted to add your user name and password, specify a local administrator account that is a domain user to run the SnapDrive service.
3. For VMware virtual machines, choose the appropriate style of disks and enter one of the following:
   a. For VMDKs, enter the Virtual Storage Console credentials.
   You can do this during your installation, or after installation using `sdcli smvi_config`.



   b. For RDMs, enter the vCenter or ESX credentials:



4. Set the preferred storage system IP address to the Management LIF interface created previously during the Storage Virtual Machine (SVM) setup.
5. Set the transport protocol section as follows:
   a. SVM name, which should resolve to the management LIF IP address
   b. HTTP or HTTPS
   c. vsadmin or user created previously

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