



# **Create a storage system connection and a credential using PowerShell cmdlets**

## **SnapCenter Software**

Nirupama Sriram, Soumik Das  
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# Create a storage system connection and a credential using PowerShell cmdlets

You must create a storage virtual machine (SVM) connection and a credential before using PowerShell cmdlets to perform data protection operations.

## What you will need

- You should have prepared the PowerShell environment to execute the PowerShell cmdlets.
- You should have the required permissions in the Infrastructure Admin role to create storage connections.
- You should ensure that the plug-in installations are not in progress.

Host plug-in installations must not be in progress while adding a storage system connection because the host cache might not be updated and databases status might be displayed in the SnapCenter GUI as “Not available for backup” or “Not on NetApp storage”.

- Storage system names should be unique.

SnapCenter does not support multiple storage systems with the same name on different clusters. Each storage system that is supported by SnapCenter should have a unique name and a unique data LIF IP address.

## Steps

1. Initiate a PowerShell connection session by using the Open-SmConnection cmdlet.

This example opens a PowerShell session:

```
PS C:\> Open-SmStorageConnection
```

2. Create a new connection to the storage system by using the Add-SmStorageConnection cmdlet.

This example creates a new storage system connection:

```
PS C:\> Add-SmStorageConnection -Storage test_vs1 -Protocol Https  
-Timeout 60
```

3. Create a new credential by using the Add-SmCredential cmdlet.

This example creates a new credential named FinanceAdmin with Windows credentials:

```
PS C:> Add-SmCredential -Name FinanceAdmin -AuthMode Windows  
-Credential sddev\administrator
```

The information regarding the parameters that can be used with the cmdlet and their descriptions can be obtained by running *Get-Help command\_name*. Alternatively, you can also refer to the [SnapCenter Software](#)



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