



配置基於角色的存取控制 (RBAC) SnapCenter software

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配置基於角色的存取控制 (RBAC)

創建角色

除了使用現有的SnapCenter角色之外，您還可以建立自己的角色並自訂權限。

若要建立自己的角色，必須以「SnapCenterAdmin」角色登入。

步驟

1. 在左側導覽窗格中，按一下「設定」。
2. 在「設定」頁面中，按一下「角色」。
3. 點選 。
4. 為新角色指定名稱和描述。



使用者名稱和群組名稱中只能使用以下特殊字元：空格（ ）、連字號（-）、底線（_）和冒號（:）。

5. 選擇“此角色的所有成員都可以看到其他成員的物件”，使該角色的其他成員在刷新資源清單後可以看到磁碟區和主機等資源。

如果您不希望該角色的成員看到指派給其他成員的對象，則應取消選取此選項。



啟用此選項後，如果使用者與建立物件或資源的使用者屬於相同角色，則無需為使用者指派對物件或資源的存取權限。

6. 在「權限」頁面中，選擇要指派給角色的權限，或按一下「全選」將所有權限授予角色。
7. 點選“提交”。

使用安全登入指令新增NetApp ONTAP RBAC 角色

當您的儲存系統執行叢集ONTAP時，您可以使用安全登入指令新增NetApp ONTAP RBAC 角色。

開始之前

- 確定您要執行的任務以及執行這些任務所需的權限。
- 授予命令和/或命令目錄權限。

每個命令/命令目錄有兩種存取等級：全部存取和唯讀。

您必須始終先指派所有存取權限。

- 為使用者指派角色。
- 根據您的SnapCenter插件是連接到整個叢集的叢集管理員 IP 還是直接連接到叢集內的 SVM 來確定您的配置。

關於此任務

為了簡化儲存系統上這些角色的配置，您可以使用NetApp ONTAP工具的 RBAC 使用者建立器，該工具發佈在NetApp社群論壇上。

該工具會自動正確設定ONTAP權限。例如，NetApp ONTAP的 RBAC User Creator 工具會自動以正確的順序新增權限，以便所有存取權限會先出現。如果您先新增唯讀權限，然後新增所有存取權限，ONTAP會將所有存取權限標記為重複並忽略它們。



如果您稍後升級SnapCenter或ONTAP，則應重新執行NetApp ONTAP的 RBAC User Creator 工具來更新您先前建立的使用者角色。為早期版本的SnapCenter或ONTAP所建立的使用者角色無法與升級後的版本正常搭配使用。當您重新運行該工具時，它會自動處理升級。您不需要重新建立角色。

有關設定ONTAP RBAC 角色的更多信息，請參閱 ["ONTAP 9 管理員驗證和 RBAC 電源指南"](#)。

步驟

1. 在儲存系統上，輸入以下指令以建立新角色：

```
security login role create <role_name> -cmddirname "command" -access all  
-vserver <svm_name>
```

- svm_name 是 SVM 的名稱。如果將其留空，則預設為叢集管理員。
- role_name 是您為角色指定的名稱。
- 指令是ONTAP功能。



您必須對每個權限重複此命令。請記住，全訪問命令必須在只讀命令之前列出。

有關權限清單的信息，請參閱["用於建立角色和分配權限的ONTAP CLI 命令"](#)。

2. 輸入以下命令建立使用者名稱：

```
security login create -username <user_name> -application ontapi -authmethod  
<password> -role <name_of_role_in_step_1> -vserver <svm_name> -comment  
"user_description"
```

- user_name 是您正在建立的使用者的名稱。
- <password> 是您的密碼。如果您未指定密碼，系統會提示您輸入密碼。
- svm_name 是 SVM 的名稱。

3. 透過輸入以下命令將角色指派給使用者：

```
security login modify username <user_name> -vserver <svm_name> -role  
<role_name> -application ontapi -application console -authmethod <password>
```

- <user_name> 是您在步驟 2 中建立的使用者的名稱。此命令允許您修改使用者以將其與角色關聯。
- <svm_name> 是 SVM 的名稱。
- <role_name> 是您在步驟 1 中建立的角色名稱。
- <password> 是您的密碼。如果您未指定密碼，系統會提示您輸入密碼。

4. 輸入以下命令驗證使用者是否已正確建立：

```
security login show -vserver <svm_name\> -user-or-group-name <user_name\>
```

`user_name` 是您在步驟 3 中建立的使用者的名稱。

建立具有最低權限的 **SVM** 角色

在ONTAP中為新的 SVM 使用者建立角色時，必須執行幾個ONTAP CLI 指令。如果您在ONTAP中設定 SVM 以與SnapCenter一起使用且不想使用 vsadmin 角色，則需要此角色。

步驟

1. 在儲存系統上建立一個角色，並為該角色賦予所有權限。

```
security login role create -vserver <svm_name\> -role <SVM_Role_Name\>  
-cmddirname <permission\>
```



您應該對每個權限重複此命令。

2. 建立一個使用者並將角色指派給該使用者。

```
security login create -user <user_name\> -vserver <svm_name\> -application  
ontapi -authmethod password -role <SVM_Role_Name\>
```

3. 解除用戶鎖定。

```
security login unlock -user <user_name\> -vserver <svm_name\>
```

用於建立 **SVM** 角色和分配權限的ONTAP CLI 命令

您應該執行幾個ONTAP CLI 命令來建立 SVM 角色並指派權限。

- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "snapmirror list-destinations" -access all`
- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "event generate-autosupport-log" -access all`
- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "job history show" -access all`
- `security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "job show" -access all`
- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "job stop" -access all`
- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "lun" -access all`

- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun delete" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun igroup add" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun igroup create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun igroup delete" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun igroup rename" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun igroup show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun mapping add-reporting-nodes" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "lun mapping create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun mapping delete" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun mapping remove-reporting-nodes" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun mapping show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun modify" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun move-in-volume" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun offline" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun online" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun resize" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun serial" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun show" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "network interface" -access readonly
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname

```
"snapmirror policy add-rule" -access all
```

- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "snapmirror policy modify-rule" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "snapmirror policy remove-rule" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "snapmirror policy show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "snapmirror restore" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "snapmirror show" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "snapmirror show-history" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "snapmirror update" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "snapmirror update-ls-set" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "version" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume clone create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume clone show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume clone split start" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume clone split stop" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume destroy" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume file clone create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume file show-disk-usage" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume modify" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume offline" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume online" -access all

- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume qtree create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume qtree delete" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume qtree modify" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume qtree show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume restrict" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot delete" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot modify" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "volume snapshot modify-snaplock-expiry-time" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot rename" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot restore" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot restore-file" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot show-delta" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume unmount" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver cifs share create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver cifs share delete" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver cifs share show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver cifs show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname

```

"vserver export-policy create" -access all
• security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname
  "vserver export-policy delete" -access all
• security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname
  "vserver export-policy rule create" -access all
• security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname
  "vserver export-policy rule show" -access all
• security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname
  "vserver export-policy show" -access all
• security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname
  "vserver iscsi connection show" -access all
• security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname
  "vserver" -access readonly
• security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname
  "vserver export-policy" -access all
• security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname
  "vserver iscsi" -access all
• security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname
  "volume clone split status" -access all
• security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname
  "volume managed-feature" -access all
• security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname
  "nvme subsystem map" -access all
• security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname
  "nvme subsystem create" -access all
• security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname
  "nvme subsystem delete" -access all
• security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname
  "nvme subsystem modify" -access all
• security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname
  "nvme subsystem host" -access all
• security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname
  "nvme subsystem controller" -access all
• security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname
  "nvme subsystem show" -access all
• security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname
  "nvme namespace create" -access all
• security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname
  "nvme namespace delete" -access all
• security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname
  "nvme namespace modify" -access all

```

- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "nvme namespace show" -access all`

為ASA r2 系統建立 SVM 角色

您必須執行幾個ONTAP CLI 命令才能在ASA r2 系統中為新的 SVM 使用者建立角色。如果您在ASA r2 系統中設定 SVM 以與SnapCenter一起使用且不想使用 vsadmin 角色，則需要此角色。

步驟

1. 在儲存系統上建立一個角色，並為該角色賦予所有權限。

```
security login role create -vserver <svm_name\>- role <SVM_Role_Name\>
-cmddirname <permission\>
```



您應該對每個權限重複此命令。

2. 建立一個使用者並將角色指派給該使用者。

```
security login create -user <user_name\> -vserver <svm_name\> -application
http -authmethod password -role <SVM_Role_Name\>
```

3. 解除用戶鎖定。

```
security login unlock -user <user_name\> -vserver <svm_name\>
```

用於建立 SVM 角色和分配權限的ONTAP CLI 命令

您應該執行幾個ONTAP CLI 命令來建立 SVM 角色並指派權限。

- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "snapmirror list-destinations" -access all`
- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "event generate-autosupport-log" -access all`
- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "job history show" -access all`
- `security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "job show" -access all`
- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "job stop" -access all`
- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "lun" -access all`
- `security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun create" -access all`

- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun delete" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun igroup add" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun igroup create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun igroup delete" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun igroup rename" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun igroup show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun mapping add-reporting-nodes" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "lun mapping create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun mapping delete" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun mapping remove-reporting-nodes" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun mapping show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun modify" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun move-in-volume" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun offline" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun online" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun resize" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun serial" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "lun show" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "network interface" -access readonly
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "snapmirror policy add-rule" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname

```
"snapmirror policy modify-rule" -access all
```

- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "snapmirror policy remove-rule" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "snapmirror policy show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "snapmirror restore" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "snapmirror show" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "snapmirror show-history" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "snapmirror update" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "snapmirror update-ls-set" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "version" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume clone create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume clone show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume clone split start" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume clone split stop" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume destroy" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume file clone create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume file show-disk-usage" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume modify" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume offline" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume online" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume qtree create" -access all

- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume qtree delete" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume qtree modify" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume qtree show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume restrict" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot delete" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot modify" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "volume snapshot modify-snaplock-expiry-time" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot rename" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot restore" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot restore-file" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume snapshot show-delta" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume unmount" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver cifs share create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver cifs share delete" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver cifs share show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver cifs show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver export-policy create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname

```

"vserver export-policy delete" -access all

```

- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver export-policy rule create" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver export-policy rule show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver export-policy show" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "vserver iscsi connection show" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver" -access readonly
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver export-policy" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "vserver iscsi" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "volume clone split status" -access all
- security login role create -vserver SVM_name -role SVM_Role_Name -cmddirname "volume managed-feature" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "nvme subsystem map" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "nvme subsystem create" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "nvme subsystem delete" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "nvme subsystem modify" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "nvme subsystem host" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "nvme subsystem controller" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "nvme subsystem show" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "nvme namespace create" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "nvme namespace delete" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "nvme namespace modify" -access all
- security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "nvme namespace show" -access all

- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "storage-unit show" -access all`
- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "consistency-group" -access all`
- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "snapmirror protect" -access all`
- `security login role create -vserver SVM_Name -role SVM_Role_Name -cmddirname "volume delete" -access all`
- `security login create -user-or-group-name user_name -application http -authentication-method password -role SVM_Role_Name -vserver SVM_Name`
- `security login create -user-or-group-name user_name -application ssh -authentication-method password -role SVM_Role_Name -vserver SVM_Name`

建立具有最低權限的ONTAP叢集角色

您應該建立具有最小權限的ONTAP叢集角色，這樣您就不必使用ONTAP管理員角色在SnapCenter中執行操作。您可以執行多個ONTAP CLI 命令來建立ONTAP叢集角色並指派最低權限。

步驟

1. 在儲存系統上建立一個角色，並為該角色賦予所有權限。

```
security login role create -vserver <cluster_name>- role <role_name>-
-cmddirname <permission>
```



您應該對每個權限重複此命令。

2. 建立一個使用者並將角色指派給該使用者。

```
security login create -user <user_name> -vserver <cluster_name> -application
ontapi http -authmethod password -role <role_name>
```

3. 解除用戶鎖定。

```
security login unlock -user <user_name> -vserver <cluster_name>
```

用於建立叢集角色和分配權限的ONTAP CLI 命令

您應該執行幾個ONTAP CLI 命令來建立叢集角色並指派權限。

- `security login role create -vserver Cluster_name or cluster_name -role Role_Name -cmddirname "metrocluster show" -access readonly`
- `security login role create -vserver Cluster_name or cluster_name -role Role_Name -cmddirname "cluster identity modify" -access all`

- security login role create -vserver Cluster_name -role Role_Name -cmddirname "cluster identity show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "cluster modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "cluster peer show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "cluster show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "event generate-autosupport-log" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "job history show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "job show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "job stop" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun igroup add" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun igroup create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun igroup delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun igroup modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun igroup rename" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun igroup show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun mapping add-reporting-nodes" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun mapping create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun mapping delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname

```
"lun mapping remove-reporting-nodes" -access all
```

- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun mapping show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun move-in-volume" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun offline" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun online" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun persistent-reservation clear" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun resize" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun serial" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "network interface create" -access readonly
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "network interface delete" -access readonly
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "network interface modify" -access readonly
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "network interface show" -access readonly
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme subsystem map" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme subsystem create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme subsystem delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme subsystem modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme subsystem host" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme subsystem controller" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme subsystem show" -access all

- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme namespace create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme namespace delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme namespace modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme namespace show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "security login" -access readonly
- security login role create -role Role_Name -cmddirname "snapmirror create" -vserver Cluster_name -access all
- security login role create -role Role_Name -cmddirname "snapmirror list-destinations" -vserver Cluster_name -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror policy add-rule" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror policy create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror policy delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror policy modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror policy modify-rule" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror policy remove-rule" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror policy show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror restore" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror show-history" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror update" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror update-ls-set" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "system license add" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname

```

"system license clean-up" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "system license delete" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "system license show" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "system license status show" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "system node modify" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "system node show" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "system status show" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "version" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume clone create" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume clone show" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume clone split start" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume clone split stop" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume create" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume destroy" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume file clone create" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume file show-disk-usage" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume modify" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume snapshot modify-snaplock-expiry-time" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume offline" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume online" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume qtree create" -access all

```

- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume qtree delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume qtree modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume qtree show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume restrict" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot promote" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot rename" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot restore" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot restore-file" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot show-delta" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume unmount" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "vserver" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "vserver cifs create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "vserver cifs delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "vserver cifs modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "vserver cifs share modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname

```

"vserver cifs share create" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver cifs share delete" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver cifs share modify" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver cifs share show" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver cifs show" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver create" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver export-policy create" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver export-policy delete" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver export-policy rule create" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver export-policy rule delete" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver export-policy rule modify" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver export-policy rule show" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver export-policy show" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver iscsi connection show" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver modify" -access all
• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver show" -access all

```

為ASA r2 系統建立ONTAP叢集角色

您應該建立具有最小權限的ONTAP叢集角色，這樣您就不必使用ONTAP管理員角色在SnapCenter中執行操作。您可以執行多個ONTAP CLI 命令來建立ONTAP叢集角色並指派最低權限。

步驟

1. 在儲存系統上建立一個角色，並為該角色賦予所有權限。

```
security login role create -vserver <cluster_name>- role <role_name>
```

-cmddirname <permission\>



您應該對每個權限重複此命令。

2. 建立一個使用者並將角色指派給該使用者。

```
security login create -user <user_name\> -vserver <cluster_name\> -application  
http -authmethod password -role <role_name\>
```

3. 解除用戶鎖定。

```
security login unlock -user <user_name\> -vserver <cluster_name\>
```

用於建立叢集角色和分配權限的ONTAP CLI 命令

您應該執行幾個ONTAP CLI 命令來建立叢集角色並指派權限。

- security login role create -vserver Cluster_name or cluster_name -role Role_Name -cmddirname "metrocluster show" -access readonly
- security login role create -vserver Cluster_name or cluster_name -role Role_Name -cmddirname "cluster identity modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "cluster identity show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "cluster modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "cluster peer show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "cluster show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "event generate-autosupport-log" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "job history show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "job show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "job stop" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname

```
"lun igroup add" -access all
```

- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun igroup create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun igroup delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun igroup modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun igroup rename" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun igroup show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun mapping add-reporting-nodes" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun mapping create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun mapping delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun mapping remove-reporting-nodes" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun mapping show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun move-in-volume" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun offline" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun online" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun persistent-reservation clear" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun resize" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun serial" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "lun show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "network interface create" -access readonly
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "network interface delete" -access readonly

- security login role create -vserver Cluster_name -role Role_Name -cmddirname "network interface modify" -access readonly
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "network interface show" -access readonly
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme subsystem map" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme subsystem create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme subsystem delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme subsystem modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme subsystem host" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme subsystem controller" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme subsystem show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme namespace create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme namespace delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme namespace modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "nvme namespace show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "security login" -access readonly
- security login role create -role Role_Name -cmddirname "snapmirror create" -vserver Cluster_name -access all
- security login role create -role Role_Name -cmddirname "snapmirror list-destinations" -vserver Cluster_name -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror policy add-rule" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror policy create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror policy delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror policy modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname

```
"snapmirror policy modify-rule" -access all
```

- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror policy remove-rule" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror policy show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror restore" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror show-history" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror update" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror update-ls-set" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "system license add" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "system license clean-up" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "system license delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "system license show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "system license status show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "system node modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "system node show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "system status show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "version" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume clone create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume clone show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume clone split start" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume clone split stop" -access all

- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume destroy" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume file clone create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume file show-disk-usage" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot modify-snaplock-expiry-time" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume offline" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume online" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume qtree create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume qtree delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume qtree modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume qtree show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume restrict" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot create" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot delete" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot promote" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot rename" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume snapshot restore" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname

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"volume snapshot restore-file" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume snapshot show" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume snapshot show-delta" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "volume unmount" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver cifs create" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver cifs delete" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver cifs modify" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver cifs share modify" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver cifs share create" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver cifs share delete" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver cifs share modify" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver cifs share show" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver cifs show" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver create" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver export-policy create" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver export-policy delete" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver export-policy rule create" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver export-policy rule delete" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver export-policy rule modify" -access all

• security login role create -vserver Cluster_name -role Role_Name -cmddirname
  "vserver export-policy rule show" -access all

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- security login role create -vserver Cluster_name -role Role_Name -cmddirname "vserver export-policy show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "vserver iscsi connection show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "vserver modify" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "vserver show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "storage-unit show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "consistency-group" show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "snapmirror protect" show" -access all
- security login role create -vserver Cluster_name -role Role_Name -cmddirname "volume delete" show" -access all

新增使用者或群組並分配角色和資產

若要為SnapCenter使用者配置基於角色的存取控制，您可以新增使用者或群組並指派角色。角色決定了SnapCenter用戶可以存取的選項。

開始之前

- 您必須以「SnapCenterAdmin」角色登入。
- 您必須已經在作業系統或資料庫的 Active Directory 中建立了使用者或群組帳戶。您不能使用SnapCenter建立這些帳戶。



使用者名稱和群組名稱中只能包含以下特殊字元：空格 ()、連字號 (-)、底線 (_) 和冒號 (:)。

- SnapCenter包含幾個預先定義的角色。

您可以將這些角色指派給使用者或建立新角色。

- 新增至SnapCenter RBAC 的 AD 使用者和 AD 群組必須對 Active Directory 中的使用者容器和電腦容器具有讀取權限。
- 將角色指派給包含適當權限的使用者或群組後，必須為該使用者指派對SnapCenter資產（例如主機和儲存連線）的存取權。

這使用戶能夠對分配給他們的資產執行他們有權限執行的操作。

- 您應該在某個時候為使用者或群組分配一個角色，以利用 RBAC 權限和效率。
- 您可以在建立使用者或群組時為使用者指派主機、資源群組、政策、儲存連線、外掛程式和憑證等資產。
- 您應指派給使用者執行某些操作的最低資產如下：

手術	資產轉讓
保護資源	主機、策略
備份	主機、資源群組、策略
恢復	主機、資源組
複製	主機、資源群組、策略
複製生命週期	主持人
建立資源組	主持人

- 當將新節點新增至 Windows 叢集或 DAG（Exchange Server 資料庫可用性群組）資產時，如果將此新節點指派給用戶，則必須將資產重新指派給使用者或群組，以將新節點包含至使用者或群組。

您應該將 RBAC 使用者或群組重新指派給群集或 DAG，以將新節點包含到 RBAC 使用者或群組。例如，您有一個雙節點集群，並且已為該集群分配了 RBAC 使用者或群組。當您向集群新增另一個節點時，您應該將 RBAC 使用者或群組重新指派給集群，以便為 RBAC 使用者或群組包含新節點。

- 如果您計劃複製快照，則必須將來源磁碟區和目標磁碟區的儲存連線指派給執行操作的使用者。

您應該在向使用者分配存取權限之前新增資產。



如果您使用適用 SnapCenter Plug-in for VMware vSphere 功能來保護虛擬機器、VMDK 或資料儲存區，則應使用 VMware vSphere GUI 將 vCenter 使用者新增至 SnapCenter Plug-in for VMware vSphere 角色。有關 VMware vSphere 角色的信息，請參閱 "[SnapCenter Plug-in for VMware vSphere 隨附的預先定義角色](#)"。

步驟

1. 在左側導覽窗格中，按一下「設定」。
2. 在「設定」頁面中，按一下「使用者和造訪」 > 「*+*」。
3. 在「從 Active Directory 或工作群組新增使用者/群組」頁面中：

對於這個領域...	這樣做...
訪問類型	選擇網域或工作群組 對於網域身份驗證類型，您應該指定要將使用者新增至角色的使用者或群組的網域名稱。 預設情況下，它預先填入了登入的網域。  您必須在*設定* > 全域設定 > *網域設定*頁面中註冊不受信任的網域。
類型	選擇使用者或群組  SnapCenter僅支援安全群組，不支援分發組。
使用者名稱	a. 輸入部分用戶名，然後按一下「新增」。  使用者名稱區分大小寫。 b. 從搜尋清單中選擇使用者名稱。  當您從不同的網域或不受信任的網域新增使用者時，您應該完整地輸入使用者名，因為沒有跨網域使用者的搜尋清單。 重複此步驟以將其他使用者或群組新增至所選角色。
角色	選擇您想要新增使用者的角色。

4. 按一下“分配”，然後在“分配資產”頁面中：

- 從*資產*下拉清單中選擇資產類型。
- 在資產表中，選擇資產。

只有當使用者將資產新增至SnapCenter時，才會列出資產。

- 對所有所需資產重複此程序。
- 點選“儲存”。

5. 點選“提交”。

新增使用者或群組並指派角色後，刷新資源清單。

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