



# 配置基于角色的访问控制 (RBAC) SnapCenter software

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# 配置基于角色的访问控制 (RBAC)

## 创建角色

除了使用现有的SnapCenter角色之外，您还可以创建自己的角色并自定义权限。

要创建自己的角色，必须以“SnapCenterAdmin”角色登录。

### 步骤

1. 在左侧导航窗格中，单击“设置”。
2. 在“设置”页面中，单击“角色”。
3. 单击 。
4. 为新角色指定名称和描述。



用户名和组名中只能使用以下特殊字符：空格 ( )、连字符 (-)、下划线 ( \_ ) 和冒号 ( : )。

5. 选择“此角色的所有成员都可以看到其他成员的对象”，使该角色的其他成员在刷新资源列表后可以看到卷和主机等资源。

如果您不希望该角色的成员看到分配给其他成员的对象，则应取消选择此选项。



启用此选项后，如果用户与创建对象或资源的用户属于同一角色，则无需为用户分配对象或资源的访问权限。

6. 在“权限”页面中，选择要分配给角色的权限，或单击“全选”将所有权限授予角色。
7. 单击“提交”。

## 使用安全登录命令添加NetApp ONTAP RBAC 角色

当您的存储系统运行集群ONTAP时，您可以使用安全登录命令添加NetApp ONTAP RBAC 角色。

### 开始之前

- 确定您要执行的任务以及执行这些任务所需的权限。
- 授予命令和/或命令目录权限。

每个命令/命令目录有两种访问级别：全部访问和只读。

您必须始终首先分配所有访问权限。

- 为用户分配角色。
- 根据您的SnapCenter插件是连接到整个集群的集群管理员 IP 还是直接连接到集群内的 SVM 来确定您的配置。

## 关于此任务

为了简化存储系统上这些角色的配置，您可以使用NetApp ONTAP工具的 RBAC 用户创建器，该工具发布在NetApp社区论坛上。

该工具会自动正确设置ONTAP权限。例如，NetApp ONTAP的 RBAC User Creator 工具会自动按正确的顺序添加权限，以便所有访问权限首先出现。如果您先添加只读权限，然后添加所有访问权限，ONTAP会将所有访问权限标记为重复并忽略它们。



如果您稍后升级SnapCenter或ONTAP，则应重新运行NetApp ONTAP的 RBAC User Creator 工具来更新您之前创建的用户角色。为早期版本的SnapCenter或ONTAP创建的用户角色无法与升级后的版本正常配合使用。当您重新运行该工具时，它会自动处理升级。您不需要重新创建角色。

有关设置ONTAP RBAC 角色的更多信息，请参阅 ["ONTAP 9 管理员身份验证和 RBAC 电源指南"](#)。

## 步骤

1. 在存储系统上，输入以下命令创建新角色：

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

- svm\_name 是 SVM 的名称。如果将其留空，则默认为集群管理员。
- role\_name 是您为角色指定的名称。
- 命令是ONTAP功能。



您必须对每个权限重复此命令。请记住，全访问命令必须列在只读命令之前。

有关权限列表的信息，请参阅["用于创建角色和分配权限的ONTAP CLI 命令"](#)。

2. 通过输入以下命令创建用户名：

```
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 是您正在创建的用户名称。
- <password> 是您的密码。如果您未指定密码，系统将提示您输入密码。
- svm\_name 是 SVM 的名称。

3. 通过输入以下命令将角色分配给用户：

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

- <user\_name> 是您在步骤 2 中创建的用户名称。此命令允许您修改用户以将其与角色关联。
- <svm\_name> 是 SVM 的名称。
- <role\_name> 是您在步骤 1 中创建的角色名称。
- <password> 是您的密码。如果您未指定密码，系统将提示您输入密码。

4. 通过输入以下命令验证用户是否已正确创建：

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

`user_name` 是您在步骤 3 中创建的用户名称。

## 创建具有最低权限的 **SVM** 角色

在ONTAP中为新的 SVM 用户创建角色时，必须运行几个ONTAP CLI 命令。如果您在ONTAP中配置 SVM 以与SnapCenter一起使用并且不想使用 `vsadmin` 角色，则需要此角色。

### 步骤

1. 在存储系统上创建一个角色，并为该角色赋予所有权限。

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



您应该对每个权限重复此命令。

2. 创建一个用户并将角色分配给该用户。

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

3. 解除用户锁定。

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

## 用于创建 **SVM** 角色和分配权限的ONTAP CLI 命令

您应该运行几个ONTAP CLI 命令来创建 SVM 角色并分配权限。

- `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`

## 为ASA r2 系统创建 SVM 角色

您必须运行几个ONTAP CLI 命令才能在ASA r2 系统中为新的 SVM 用户创建角色。如果您在ASA r2 系统中配置 SVM 以与SnapCenter一起使用并且不想使用 vsadmin 角色，则需要此角色。

### 步骤

1. 在存储系统上创建一个角色，并为该角色赋予所有权限。

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



您应该对每个权限重复此命令。

2. 创建一个用户并将角色分配给该用户。

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

3. 解除用户锁定。

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

## 用于创建 SVM 角色和分配权限的ONTAP CLI 命令

您应该运行几个ONTAP CLI 命令来创建 SVM 角色并分配权限。

- `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`

## 创建具有最低权限的ONTAP集群角色

您应该创建具有最小权限的ONTAP集群角色，这样您就不必使用ONTAP管理员角色在SnapCenter中执行操作。您可以运行多个ONTAP CLI 命令来创建ONTAP集群角色并分配最低权限。

### 步骤

1. 在存储系统上创建一个角色，并为该角色赋予所有权限。

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



您应该对每个权限重复此命令。

2. 创建一个用户并将角色分配给该用户。

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

3. 解除用户锁定。

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

## 用于创建集群角色和分配权限的ONTAP CLI 命令

您应该运行几个ONTAP CLI 命令来创建集群角色并分配权限。

- `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

```

## 为ASA r2 系统创建ONTAP集群角色

您应该创建具有最小权限的ONTAP集群角色，这样您就不必使用ONTAP管理员角色在SnapCenter中执行操作。您可以运行多个ONTAP CLI 命令来创建ONTAP集群角色并分配最低权限。

### 步骤

1. 在存储系统上创建一个角色，并为该角色赋予所有权限。

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

-cmddirname <permission\>



您应该对每个权限重复此命令。

## 2. 创建一个用户并将角色分配给该用户。

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

## 3. 解除用户锁定。

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

## 用于创建集群角色和分配权限的ONTAP CLI 命令

您应该运行几个ONTAP CLI 命令来创建集群角色并分配权限。

- 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
- 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

## 添加用户或组并分配角色和资产

要为SnapCenter用户配置基于角色的访问控制，您可以添加用户或组并分配角色。角色决定了SnapCenter用户可以访问的选项。

开始之前

- 您必须以“SnapCenterAdmin”角色登录。
- 您必须已经在操作系统或数据库的 Active Directory 中创建了用户或组帐户。您不能使用SnapCenter创建这些帐户。



用户名和组名中只能包含以下特殊字符：空格 ( )、连字符 (-)、下划线 ( \_ ) 和冒号 ( : )。

- SnapCenter包含几个预定义的角色。

您可以将这些角色分配给用户或创建新角色。

- 添加到SnapCenter RBAC 的 AD 用户和 AD 组必须对 Active Directory 中的用户容器和计算机容器具有读取权限。
- 将角色分配给包含适当权限的用户或组后，必须为该用户分配对SnapCenter资产（例如主机和存储连接）的访问权限。

这使用户能够对分配给他们的资产执行他们有权限执行的操作。

- 您应该在某个时候为用户或组分配一个角色，以利用 RBAC 权限和效率。
- 您可以在创建用户或组时为用户分配主机、资源组、策略、存储连接、插件和凭证等资产。
- 您应分配给用户执行某些操作的最低资产如下：

操作	资产转让
保护资源	主机、策略
备份	主机、资源组、策略
还原	主机、资源组
克隆	主机、资源组、策略
克隆生命周期	host
创建资源组	host

- 当将新节点添加到 Windows 群集或 DAG (Exchange Server 数据库可用性组) 资产时, 如果将此新节点分配给用户, 则必须将资产重新分配给用户或组, 以将新节点包含到用户或组。

您应该将 RBAC 用户或组重新分配给群集或 DAG, 以将新节点包含到 RBAC 用户或组。例如, 您有一个双节点集群, 并且已为该集群分配了 RBAC 用户或组。当您向集群添加另一个节点时, 您应该将 RBAC 用户或组重新分配给集群, 以便为 RBAC 用户或组包含新节点。

- 如果您计划复制快照, 则必须将源卷和目标卷的存储连接分配给执行操作的用户。

您应该在向用户分配访问权限之前添加资产。



如果您使用适用 SnapCenter Plug-in for VMware vSphere 功能来保护虚拟机、VMDK 或数据存储区, 则应使用 VMware vSphere GUI 将 vCenter 用户添加到 SnapCenter Plug-in for VMware vSphere 角色。有关 VMware vSphere 角色的信息, 请参阅 "[SnapCenter Plug-in for VMware vSphere 附带的预定义角色](#)"。

## 步骤

1. 在左侧导航窗格中, 单击“设置”。
2. 在“设置”页面中, 单击“用户和访问”>“”。
3. 在“从 Active Directory 或工作组添加用户/组”页面中:

对于这个领域...	操作
访问类型	<p>选择域或工作组</p> <p>对于域身份验证类型，您应该指定要将用户添加到角色的用户或组的域名。</p> <p>默认情况下，它预先填充了登录的域名。</p> <p> 您必须在*设置* &gt; 全局设置 &gt; *域设置*页面中注册不受信任的域。</p>
类型	<p>选择用户或组</p> <p> SnapCenter仅支持安全组，不支持分发组。</p>
用户名	<p>a. 输入部分用户名，然后单击“添加”。</p> <p> 用户名区分大小写。</p> <p>b. 从搜索列表中选择用户名。</p> <p> 当您从不同的域或不受信任的域添加用户时，您应该完整地输入用户名，因为没有跨域用户的搜索列表。</p> <p>重复此步骤以将其他用户或组添加到所选角色。</p>
角色	<p>选择您想要添加用户的角色。</p>

4. 单击“分配”，然后在“分配资产”页面中：

- a. 从\*资产\*下拉列表中选择资产类型。
- b. 在资产表中，选择资产。

仅当用户将资产添加到SnapCenter时，才会列出资产。

- c. 对所有所需资产重复此过程。
- d. 单击“保存”。

5. 单击“提交”。

添加用户或组并分配角色后，刷新资源列表。

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