NetApp

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

NetApp
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目录

配置基于角色的访问控制（**RBAC**）

创建角色

除了使用现有 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 * 此角色的所有成员均可查看其他成员的对象 * ，以使该角色的其他成员能够在刷新资源列表后查看卷和主机等资源。

   如果不希望此角色的成员查看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具有相同的角色，则不需要为用户分配对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，或者单击 * 全选 * 授予该角色的所有权限。

7. 单击 * 提交 * 。

使用security login命令添加NetApp ONTAP RBAC角色

如果存储系统运行的是集群模式ONTAP、则可以使用security login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。

- 为命令和／或命令目录授予权限。

  每个命令／命令目录有两个访问级别： all-access 和 read-only 。

  您必须始终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 的 RBAC 用户创建器工具，该工具发布在 NetApp 社区论坛上。

此工具会自动正确设置 ONTAP 权限。例如、适用于NetApp ONTAP的RBAC User Creator工具会自动按正确顺序添加Privileges、以便首先显示完全访问Privileges。如果先添加只读权限，然后再添加纯访问权限，则 ONTAP 会将纯访问权限标记为重复项并忽略它们。

> ⓘ 如果稍后升级SnapCenter或ONTAP、则应重新运行适用于NetApp ONTAP的RBAC User Creator 工具以更新先前创建的用户角色。为早期版本的 SnapCenter 或 ONTAP 创建的用户角色无法在 升级后的版本中正常工作。重新运行此工具时，它会自动处理升级。您无需重新创建角色。

有关设置 ONTAP RBAC 角色的详细信息，请参见 "《 ONTAP 9 管理员身份验证和 RBAC 高级指南》"。

步骤

1. 在存储系统上，输入以下命令以创建新角色：

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

   ◦ svm_name 是 SVM 的名称。如果将此字段留空，则默认为集群管理员。
   ◦ role_name 是为角色指定的名称。
   ◦ command 是 ONTAP 功能。

   > ⓘ 您必须对每个权限重复此命令。请记住，必须先列出所有访问命令，然后再列出只读命令。

   有关权限列表的信息，请参见 "用于创建角色和分配权限的 ONTAP 命令行界面命令"。

2. 输入以下命令创建用户名：

```
ssecurity login create -username <user_name\> -application ontapi -authmethod
<password\> -role <name_of_role_in_step> - vserver <svm_name\> -comment
"user_description"
```

   ◦ user_name 是要创建的用户的名称。
   ◦ <password> 是您的密码。如果不指定密码，系统将提示您输入一个密码。
   ◦ svm_name 是 SVM 的名称。

3. 输入以下命令，将角色分配给用户：

```
ssecurity 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 中创建的用户的名称。此命令可用于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 中创建的角色的名称。
   ◦ <password> 是您的密码。如果不指定密码，系统将提示您输入一个密码。

4. 输入以下命令，验证是否已正确创建用户：

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

user_name 是您在步骤 3 中创建的用户的名称。

创建具有最低权限的 **SVM** 角色

在 ONTAP 中为新 SVM 用户创建角色时，必须运行多个 ONTAP 命令行界面命令。如果您在 ONTAP 中将 SVM 配置为与 SnapCenter 结合使用，而您不想使用 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分配所有权限。

     ```
     ssecurity login role create - vserver <svm_name\>- role <svm_role_Name\>
     -cmddirname <permission\>
     ```

     (i) | 您应对每个权限重复此命令。

  1. 创建一个用户并将该角色分配给该用户。

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

  2. 解除用户锁定。

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

用于创建 **SVM** 角色和分配权限的 **ONTAP** 命令行界面命令

您应运行多个 ONTAP 命令行界面命令来创建 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`

- `ssecurity 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`

- `ssecurity login role create -vserver SVM_name -role SVM_role_name -cmddirname "job stop"-access all`

- `ssecurity login role create -vserver SVM_name -role SVM_role_name -cmddirname "LUN"-access all`

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun delete" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun igroup add" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun igroup create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun igroup delete" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun igroup rename" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun igroup show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun mapping add-reporting-nodes" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun mapping create"-access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun mapping delete" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun mapping remove-reporting-nodes" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun mapping show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun modify" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun move-in-volume" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun offline" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun online" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun resize" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun serial " -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun show" -access all

- ssecurity login role create -vserver SVM_name -role SVM_role_name -cmddirname "network interface"-access readonly

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname

"snapmirror policy add-rule" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror policy modify-rule" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror policy remove-rule" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror policy show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror restore" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror show-history"-access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror update" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror update-ls-set" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "version" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume clone create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume clone show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume clone split start" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume clone split stop" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume destroy" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume file clone create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume file show-disk-usage" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume modify" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume offline" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume online" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume qtree create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume qtree delete" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume qtree modify" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume qtree show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume restrict" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume snapshot create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume snapshot delete" -access all

- ssecurity 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

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume snapshot rename" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume snapshot restore" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume snapshot restore-file" -access all

- ssecurity 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

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume unmount " -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver cifs share create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver cifs share delete" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver cifs share show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver cifs show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname

"vserver export-policy create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname
"vserver export-policy delete" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname
"vserver export-policy rule create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname
"vserver export-policy rule show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname
"vserver export-policy show"-access all

- ssecurity login role create -vserver SVM_name -role SVM_role_name -cmddirname
"vserver iscsi connection show"-access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname
"vserver" -access readonly

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname
"vserver export-policy" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname
"vserver iscsi" -access all

- ssecurity 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

您必须运行多个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分配所有权限。

     `ssecurity login role create - vserver <svm_name\>- role <svm_role_Name\> -cmddirname <permission\>`

     > ⓘ 您应对每个权限重复此命令。

  1. 创建一个用户并将该角色分配给该用户。

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

  2. 解除用户锁定。

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

用于创建 **SVM** 角色和分配权限的 **ONTAP** 命令行界面命令

您应运行多个 ONTAP 命令行界面命令来创建 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`

- `ssecurity 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`

- `ssecurity login role create -vserver SVM_name -role svm_role_name -cmddirname "job stop"-access all`

- `ssecurity login role create -vserver SVM_name -role svm_role_name -cmddirname "LUN"-access all`

- `ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun create" -access all`

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun delete" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun igroup add" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun igroup create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun igroup delete" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun igroup rename" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun igroup show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun mapping add-reporting-nodes" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun mapping create"-access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun mapping delete" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun mapping remove-reporting-nodes" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun mapping show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun modify" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun move-in-volume" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun offline" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun online" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun resize" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun serial " -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "lun show" -access all

- ssecurity login role create -vserver SVM_name -role SVM_role_name -cmddirname "network interface"-access readonly

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror policy add-rule" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname

"snapmirror policy modify-rule" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror policy remove-rule" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror policy show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror restore" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror show-history"-access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror update" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "snapmirror update-ls-set" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "version" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume clone create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume clone show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume clone split start" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume clone split stop" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume destroy" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume file clone create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume file show-disk-usage" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume modify" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume offline" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume online" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume qtree create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume qtree delete" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume qtree modify" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume qtree show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume restrict" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume snapshot create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume snapshot delete" -access all

- ssecurity 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

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume snapshot rename" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume snapshot restore" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume snapshot restore-file" -access all

- ssecurity 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

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "volume unmount " -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver cifs share create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver cifs share delete" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver cifs share show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver cifs show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver export-policy create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname

"vserver export-policy delete" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver export-policy rule create" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver export-policy rule show" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver export-policy show"-access all

- ssecurity login role create -vserver SVM_name -role SVM_role_name -cmddirname "vserver iscsi connection show"-access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver" -access readonly

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver export-policy" -access all

- ssecurity login role create -vserver svm_name -role svm_role_name -cmddirname "vserver iscsi" -access all

- ssecurity 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

您应创建一个具有最低权限的 ONTAP 集群角色，以便不必使用 ONTAP 管理员角色在 SnapCenter 中执行操作。您可以运行多个 ONTAP 命令行界面命令来创建 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分配所有权限。

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

     > (i) 您应对每个权限重复此命令。

  1. 创建一个用户并将该角色分配给该用户。

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

  2. 解除用户锁定。

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

用于创建集群角色和分配权限的 **ONTAP** 命令行界面命令

您应运行多个 ONTAP 命令行界面命令来创建集群角色和分配权限。

- `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

- ssecurity 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

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "job stop" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "LUN" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun igroup add" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun igroup create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun igroup delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun igroup modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun igroup rename" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun igroup show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun mapping add-reporting-nodes" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun mapping create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun mapping delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname

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

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun mapping show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun move-in-volume" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun offline" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun online" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun persistent-reservation clear" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun resize" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "LUN serial " -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "network interface create" -access readonly

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "network interface delete" -access readonly

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "network interface modify" -access readonly

- ssecurity 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`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "security login" -access readonly`

- `ssecurity login role create -role role_name -cmddirname "snapmirror create" -vserver Cluster_name -access all`

- `ssecurity login role create -role role_name -cmddirname "snapmirror list-destinations" -vserver Cluster_name -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror policy add-rule" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror policy create" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror policy delete" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror policy modify" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror policy modify-rule" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror policy remove-rule" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror policy show" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror restore" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror show" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror show-history" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror update" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror update-ls-set" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "system license add" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname`

"system license clean-up" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "system license delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "system license show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "system license status show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "system node modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "system node show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "system status show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "version" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume clone create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume clone show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume clone split start" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume clone split stop" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume destroy" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume file clone create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume file show-disk-usage" -access all

- ssecurity 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

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume offline" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume online" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume qtree create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume qtree delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume qtree modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume qtree show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume restrict" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume snapshot create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume snapshot delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume snapshot modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume snapshot promote " -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume snapshot rename" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume snapshot restore" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume snapshot restore-file" -access all

- ssecurity 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

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume unmount " -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs share modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname

```
"Vserver cifs share create" -access all
```

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs share delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs share modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs share show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver export-policy create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver export-policy delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver export-policy rule create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver export-policy rule delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver export-policy rule modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver export-policy rule show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver export-policy show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver iscsi connection show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver modify" -access all

- ssecurity 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

您应创建一个具有最低权限的 ONTAP 集群角色，以便不必使用 ONTAP 管理员角色在 SnapCenter 中执行操作。您可以运行多个 ONTAP 命令行界面命令来创建 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分配所有权限。

   ssecurity login role create - vserver <cluster_name\>- role <role_name\>

```
-cmddirname <permission\>
```

> (i) 您应对每个权限重复此命令。

1. 创建一个用户并将该角色分配给该用户。

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

2. 解除用户锁定。

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

用于创建集群角色和分配权限的 **ONTAP** 命令行界面命令

您应运行多个 ONTAP 命令行界面命令来创建集群角色和分配权限。

- `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`

- `ssecurity 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`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "job stop" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "LUN" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun create" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun delete" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname`

"lun igroup add" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun igroup create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun igroup delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun igroup modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun igroup rename" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun igroup show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun mapping add-reporting-nodes" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun mapping create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun mapping delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun mapping remove-reporting-nodes" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun mapping show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun move-in-volume" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun offline" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun online" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun persistent-reservation clear" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun resize" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "LUN serial " -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "lun show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "network interface create" -access readonly

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "network interface delete" -access readonly

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "network interface modify" -access readonly

- ssecurity 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

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "security login" -access readonly

- ssecurity login role create -role role_name -cmddirname "snapmirror create" -vserver Cluster_name -access all

- ssecurity login role create -role role_name -cmddirname "snapmirror list-destinations" -vserver Cluster_name -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror policy add-rule" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror policy create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror policy delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "snapmirror policy modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname

"snapmirror policy modify-rule" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "snapmirror policy remove-rule" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "snapmirror policy show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "snapmirror restore" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "snapmirror show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "snapmirror show-history" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "snapmirror update" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "snapmirror update-ls-set" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "system license add" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "system license clean-up" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "system license delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "system license show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "system license status show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "system node modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "system node show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "system status show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "version" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "volume clone create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "volume clone show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "volume clone split start" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname
  "volume clone split stop" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume destroy" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume file clone create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume file show-disk-usage" -access all

- ssecurity 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

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume offline" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume online" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume qtree create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume qtree delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume qtree modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume qtree show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume restrict" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume snapshot create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume snapshot delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume snapshot modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume snapshot promote " -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume snapshot rename" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume snapshot restore" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname

"volume snapshot restore-file" -access all

- ssecurity 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

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "volume unmount " -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs share modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs share create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs share delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs share modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs share show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "Vserver cifs show" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver export-policy create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver export-policy delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver export-policy rule create" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver export-policy rule delete" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver export-policy rule modify" -access all

- ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver export-policy rule show" -access all

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver export-policy show" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver iscsi connection show" -access all`

- `ssecurity login role create -vserver Cluster_name -role role_name -cmddirname "vserver modify" -access all`

- `ssecurity 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。此角色决定了 SnapCenter 用户可以访问的选项。

开始之前

- 您必须已以 "SnapCenterAdmin" 角色登录。

- 您必须已在操作系统或数据库的 Active Directory 中创建用户或组帐户。您不能使用 SnapCenter 创建这些帐户。

  > ⓘ 用户名和组名称只能包含以下特殊字符：空格()、连字符(-)、下划线(_)和冒号(:)。

- SnapCenter 包括多个预定义角色。

  您可以将这些角色分配给用户，也可以创建新角色。

- 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。

- 为包含相应权限的用户或组分配角色后，您必须为用户分配对 SnapCenter 资产（例如主机和存储连接）的访问权限。

  这样，用户就可以执行对分配给他们的资产具有权限的操作。

- 您应在某个时刻为用户或组分配一个角色，以利用 RBAC 权限和效率。

- 您可以分配主机，资源组，策略，存储连接，插件， 创建用户或组时提供给用户的凭据。

- 应分配给用户以执行某些操作的最小资产如下：

操作	资产分配
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

- 将新节点添加到 Windows 集群或 DAG （ Exchange Server 数据库可用性组）资产中后，如果将此新节点分配给用户，则必须将此资产重新分配给用户或组，以便将此新节点包含到用户或组中。

  您应将 RBAC 用户或组重新分配给集群或 DAG ，以便将新节点包含给 RBAC 用户或组。例如，您有一个双节点集群，并且已为此集群分配 RBAC 用户或组。向集群添加另一个节点时，应将 RBAC 用户或组重新分配给集群，以便为 RBAC 用户或组添加新节点。

- 如果您计划复制Snapshot、则必须将源卷和目标卷的存储连接分配给执行此操作的用户。

  您应先添加资产，然后再为用户分配访问权限。

> (i) 如果您使用适用于 VMware vSphere 的 SnapCenter 插件功能来保护 VM ， VMDK 或数据存储库，则应使用 VMware vSphere GUI 将 vCenter 用户添加到适用于 VMware vSphere 的 SnapCenter 插件角色中。有关 VMware vSphere 角色的信息，请参见 "适用于 VMware vSphere 的 SnapCenter 插件附带的预定义角色"。

- 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：

对于此字段 …	执行此操作 …
访问类型	选择域或工作组 对于域身份验证类型，您应指定要将用户添加到角色的用户或组的域名。 默认情况下，它会预先填充已登录的域名。 > (i) 您必须在 * 设置 * > * 全局设置 * > * 域设置 * 页面中注册不可信域。

对于此字段 …	执行此操作 …
Type	选择用户或组 ⓘ SnapCenter 仅支持安全组，而不支持分发组。
用户名	a. 键入部分用户名，然后单击 * 添加 * 。 ⓘ 用户名区分大小写。 b. 从搜索列表中选择用户名。 ⓘ 在添加来自其他域或不可信域的用户时，应完整键入用户名，因为没有跨域用户的搜索列表。 重复此步骤，向选定角色添加其他用户或组。
角色	选择要将用户添加到的角色。

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。

      只有在用户已将资产添加到 SnapCenter 后，才会列出这些资产。

   c. 对所有所需资产重复此操作步骤。

   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。