



What access control settings are Snapdrive for Unix

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To determine user access, SnapDrive for UNIX checks one of two permissions files in the root volume of the storage system. You must check the rules set in those file to evaluate access control.

- `sdhost-name.prbac` file is in the directory `/vol/vol10/sdprbac` (SnapDrive permissions roles-based access control).

The file name is `sdhost-name.prbac`, where *host-name* is the name of the host to which the permissions apply. You can have a permissions file for each host attached to the storage system. You can use the `snapdrive config access` command to display information about the permissions available for a host on a specific storage system.

If the `sdhost-name.prbac` does not exist, then use the `sdgeneric.prbac` file to check the access permissions.

- `sdgeneric.prbac` file is also in the directory `/vol/vol10/sdprbac`.

The file name `sdgeneric.prbac` is used as the default access settings for multiple hosts that do not have access to `sdhost-name.prbac` file on the storage system.

If you have both `sdhost-name.prbac` and `sdgeneric.prbac` files available in the `/vol/vol10/sdprbac` path, then use the `sdhost-name.prbac` to check the access permissions, as this overwrites the values provided for `sdgeneric.prbac` file.

If you do not have both `sdhost-name.prbac` and `sdgeneric.prbac` files, then check the configuration variable `all-access-if-rbac-unspecified` that is defined in the `snapdrive.conf` file.

Setting up access control from a given host to a given vFiler unit is a manual operation. The access from a given host is controlled by a file residing in the root volume of the affected vFiler unit. The file contains `/vol/<vfiler root volume>/sdprbac/sdhost-name.prbac`, where the *host-name* is the name of the affected host, as returned by `gethostname(3)`. You should ensure that this file is readable, but not writable, from the host that can access it.



To determine the name of the host, run the `hostname` command.

If the file is empty, unreadable, or has an invalid format, SnapDrive for UNIX does not grant the host access to any of the operations.

If the file is missing, SnapDrive for UNIX checks the configuration variable `all-access-if-rbac-unspecified` in the `snapdrive.conf` file. If the variable is set to `on` (default value), it allows the hosts complete access to all these operations on that storage system. If the variable is set to `off`, SnapDrive for UNIX denies the host permission to perform any operations governed by access control on that storage system.

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