

Access Control for Git

Last edited by [SMOHANA1](#) 1 year ago

This document provides an overview of Access Request feature in devNext to raise VESS requests for Git access. This is an optional feature in devNext for selective users. If you wish to leverage it, please contact devNext.support@visteon.com.

Supported OS: `Ubuntu 20.04`

Benefits of Access Control:

- **For the Team:**
 - Streamlines the process of granting repository access, ensuring that everyone has the necessary permissions.
 - Reduces overhead on verifying and validating the right repository.
 - Maintains all required repository details in one place.
 - Provides visibility for the whole team, showing which repositories they need access based on the information from the profile file.
- **For an Engineer:**
 - Simplifies the onboarding process by providing immediate access to the necessary repositories.
 - Eliminates the need for users to manually submit several access requests.
 - Saves time by eliminating the need for manual access requests.
 - Provides a seamless experience, allowing new users to focus on their tasks.

Enable Access Control for your Program

To enable Access Control, add the following section to your profile file:

```
[AccessControl]
GIT_SERVER = <Server>
GIT_GROUPS = <Groups>
GIT_ROLE = <Role>
```

- **Example:**

```
[AccessControl]
GIT_SERVER = bsp-os.git.visteon.com,rtc-proj.git.visteon.com
GIT_GROUPS = platform/bsp-os,platform/bsp-os/dijkstra,platform/bsp-os/programs,platform/bsp-os/turing,platform/integration,programs/ford
GIT_ROLE = Developer
```

Note 🗨️: These values are case-sensitive, so ensure that values entered in the command line or profile match with those in the VESS portal.

For more information about key-value pair and its syntax, kindly check the [sample profile](#).

Command Usage

Once you have configured workspace with `[AccessControl]` section, one can run the below command to raise git access to their project.

```
dn accessreq git
```

Options

Usage: `dn accessreq git [OPTIONS]`

Helps to raise VESS request for Git Access.

Options:

<code>-t, --type [ADD DELETE]</code>	Specifies the request type, default [ADD].
<code>-c, --cdsids TEXT</code>	Comma-separated CDSIDs. Ex: <code>-c cdsid1,cdsid2</code>
<code>-s, --server TEXT</code>	Specify the Git server which you need access.
<code>-g, --groups TEXT</code>	Comma-separated git groups. EX: <code>-g platform/bsp-os,platform/bsp-os/dijkstra,..</code>
<code>-r, --role [Developer Integrator Guest Reporter]</code>	Specify one role at a time
<code>--name TEXT</code>	Name of the Workspace
<code>--help</code>	Show this message and exit.

Overriding Profile Values with Command Line Arguments

In certain situations, you might need to override the values specified in the profile. To accomplish this, use command line arguments that supersede the profile values.

Note 💡 : These values are case-sensitive, so ensure that the values entered in the command line or profile match those in the VESS portal.

Example:

```
dn accessreq git --type ADD --cdsids <cdsid1,cdsid2,cdsid3,..> --server <serve1,server2,..> --groups <group1,group2,..>
```

- Example:

```
smohana1@IND3Y87TG3:~/workspace$ dn accessreq git --type ADD --c cdsid1,cdsid2 -s *.git.visteon.com,*.git.visteon.com -g group1,group2 -r role
```

Q2A Forum: Q&A platform helps find answers and ask your questions, learn and share knowledge <https://q2a.visteon.com>.

Support: If you've any Queries w.r.t above mentioned steps, please reach out to devNext.support@visteon.com.