

Passing Sudo Password via Environment Variable

Last edited by **CPENUGON** 3 years ago

Issue Description:

Normally, if sudo requires a password, it will read it from the user's terminal. If you want to run a sudo command without typing the password interactively, you would normally use the `NOPASSWD` option in `/etc/sudoers`. But this let anyone(automated scripts) can run the sudo commands unattended.

Solution:

For this 'sudo' is providing a argument `-A` to let user pass the password from the environment Variable "**SUDO_ASKPASS**"

If the `-A`(askpass) option is specified, a (possibly graphical) helper program is executed to read the user's password and output the password to the standard output. If the SUDO_ASKPASS environment variable is set, it specifies the path to the helper program. Otherwise, if `/etc/sudo.conf` contains a line specifying the askpass program, that value will be used.

Steps to use:

1. Basically the value of \$SUDO_ASKPASS is to be an executable that will spit your password to standard out when invoked. So, if your password was 'foo', you could write a shell script as:

```
#!/bin/bash
echo 'foo'
```

2. Place the script in `~/bin/pw.sh`. Then you would set the environment variable and execute the command as so:

```
export SUDO_ASKPASS=${HOME}/bin/pw.sh
```

3. Use any of the software installation of APT package without typing or giving input in the terminal

```
sudo -A apt-get install python3-pip
```

or 4. (Optionally) you can make an alias for the sudo

```
alias sudo=sudo -A
sudo apt-get install python3-pip
```

References:

1. <https://blog.chmd.fr/scripting-sudo-with-pass.html>
2. <https://stackoverflow.com/a/19530325>
3. <https://askubuntu.com/a/314401>
4. <https://explainshell.com/explain/8/sudo>

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