


# devNext Pre requisites

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## Prerequisites:

- WSL2 setup is mandatory if you’re working with wsl distributions.
  -  [Setting Up WSL2](#)
- python3** in the wiki indicates **python version >= 3.8.10 (support for earlier version are deprecated)**. We recommend users to use v3.9.5 for compatibility with the future releases.

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## WSL Distro Configuration

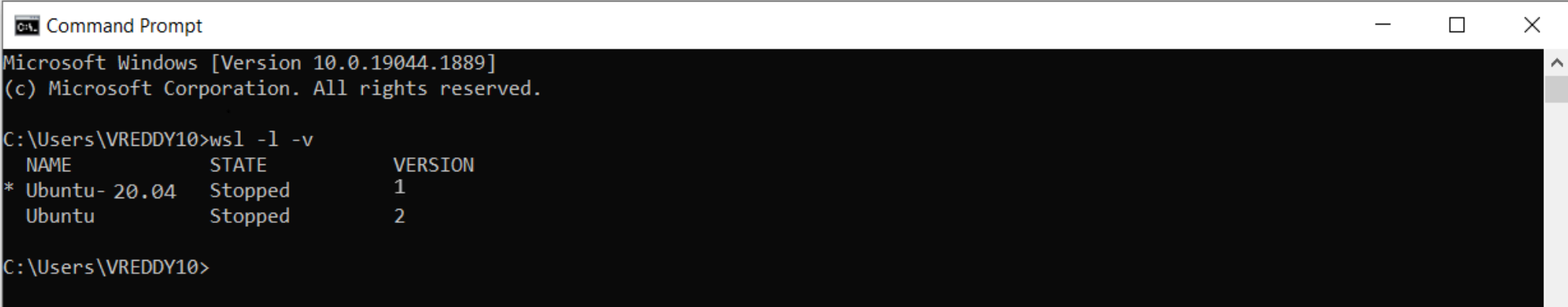
- Make sure your WSL Version is 2. To know the wsl version, please run the following command in CMD(command prompt).

```
wsl --list --verbose
```

(or)

```
wsl -l -v
```

Example:



**!** **Note:** From the above image, you can find the **Ubuntu 20.04** distro is running on WSL 1, which is not compatible for devNext, and hence devNext will not work on this distro.

- Please run the following Command for converting WSL1 -> WSL2.

```
wsl --set-version <distro_name> 2
```

Example:



- To make your future distro default to v2, run the following command:

```
wsl --set-default-version 2
```

## Python User Home

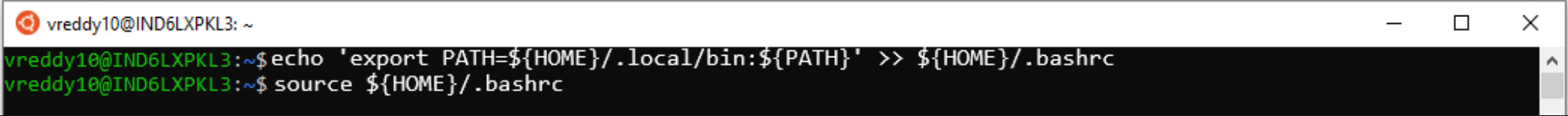
- Make sure your python user site is in the Environment Variables.

WSL Ubuntu distribution comes with the default python version.

Linux/WSL :-

```
echo 'export PATH=${HOME}/.local/bin:${PATH}' >> ${HOME}/.bashrc
source ${HOME}/.bashrc
```

Example:



**! Note:** The above commands help your devNext to be available in the path.

Windows :- Refer to this [Document](#)

**! Note:** devNext is not actively supported in windows, use at your own risk.

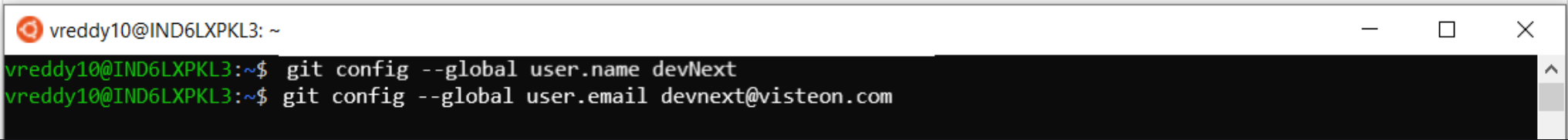
GIT Configuration

For Git Related Actions, like fetch/commit/pull, git checks the global config file ~/.gitconfig and uses username and email ID provided in the config file.

To Set the default username and email, run the following commands from the terminal.

```
git config --global user.name <CDSID>
git config --global user.email <Visteon-emailID>
```

Example:

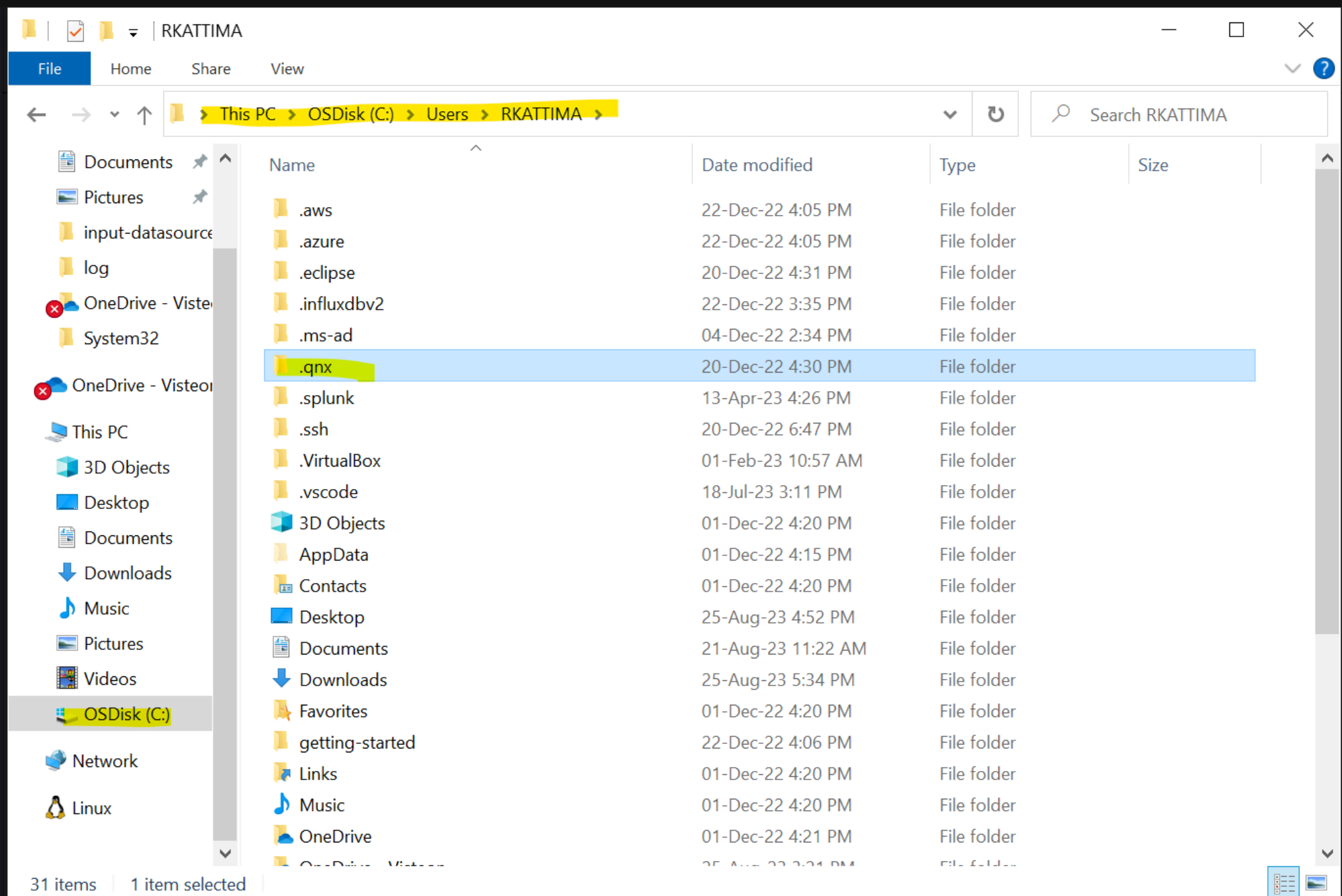


**! Note:** Using CDSID and Visteon Email is mandatory for the Users. GitLab will not allow users to push the changes if username and email-id are not Visteon ID's.

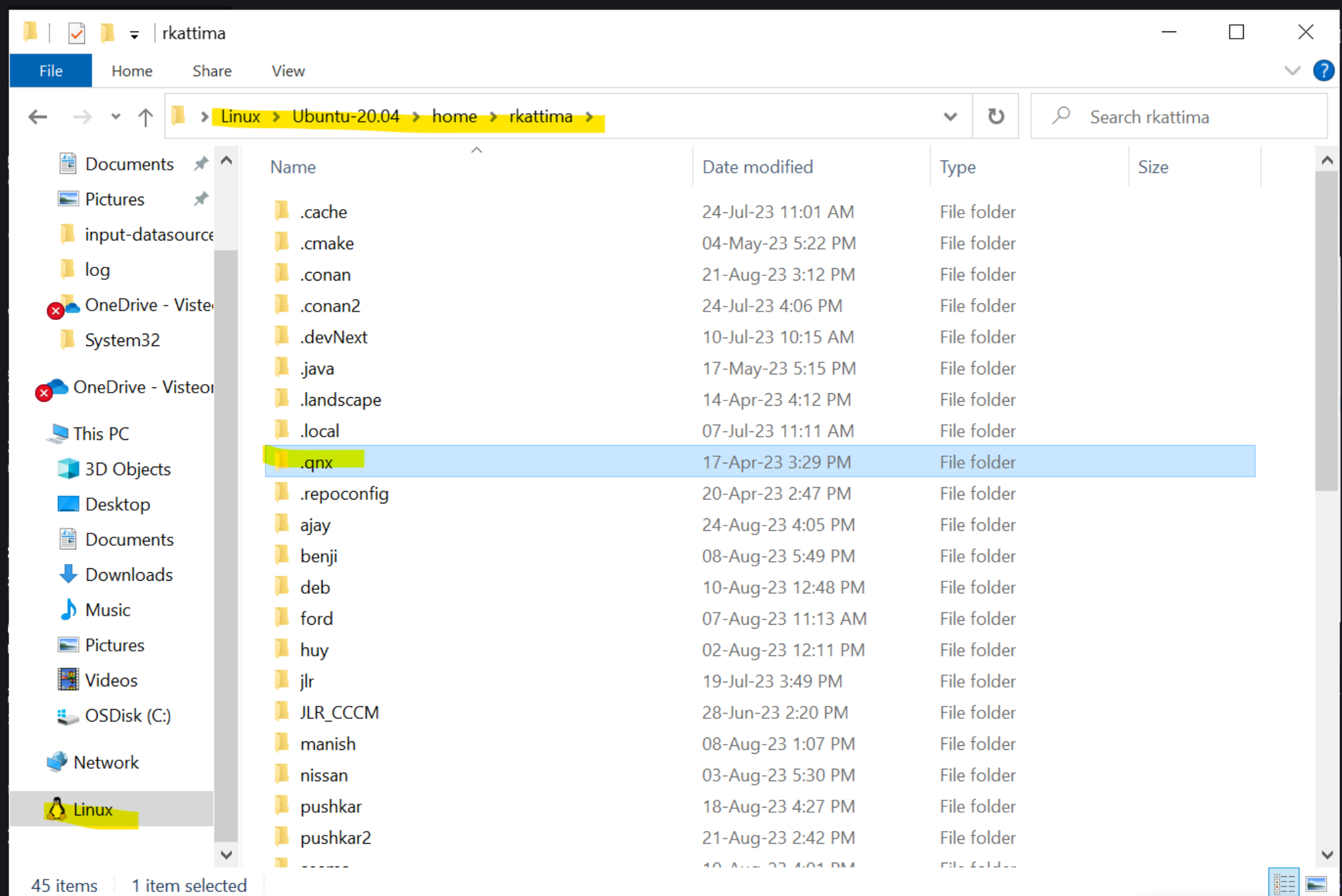
QNX License Management

- To use the QNX Compiler, one requires licenses file to be present in the machine where you are running QNX Compiler.

**WINDOWS:** we need to copy the license folder from below highlighted path



WSL/Linux : we need to paste the folder in the location of highlighted path



## Sample licenses file in the license directory.

```
<?xml version="1.0" standalone="yes"?>
<qnx>
  <licenses>
    <key>
      <license>*****</license>
      <check>*****</check>
      <product-type>**</product-type>
      <product-flags>*****</product-flags>
      <serial>*****</serial>
      <activate-key>****_****_****_****_****_****_****_****_****</activate-key>
    </key>
    <key>
      <license>*****</license>
      <check>*****</check>
      <product-type>**</product-type>
      <product-flags>*****</product-flags>
      <serial>*****</serial>
      <activate-key>****_****_****_****_****_****_****_****_****</activate-key>
    </key>
    <key>
  </licenses>
</qnx>
```

### PIP Version Upgrade

- In Ubuntu/Debian based OS, PIP can be installed using the following Commands:

```
sudo apt-get update
sudo apt-get install python3-pip -y
```

#### Example:



! **Note:** If you are facing issue with sudo password, to reset it please see [🔗 WSL2 password reset](#)

- Make sure the pip is updated to v23.3.2 . To install pip to version 23.3.2 perform the below step.

```
python3 -m pip install pip==23.3.2
```

#### Example:

- ! **Note:**
- Mount points `/mnt/c`, `/mnt/d`, ... in WSL leads to slower performance. Source fetch from GIT or RTC and build commands perform poorly.
- [The following steps must be performed if it is a Shared Linux PC](#)

You can use `devNext --help` or `devNext <command> --help` for more options/help.

**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](mailto:devNext.support@visteon.com)