**# Frequently Asked Questions**

This page answers to the most commonly asked questions or errors that you may encounter while installing Tizen studio and developing apps in Tizen Studio.

**- How to run Tizen Studio on Ubuntu 18.04?**

Tizen studio supports Ubuntu 18.04. However, Ubuntu 18.04 distribution does not include the runtime library libpng12-0

To experience optimal installation experience, install the runtime library and run the following command:

```

$ wget http://mirrors.kernel.org/ubuntu/pool/main/libp/libpng/libpng12-0\_1.2.54-1ubuntu1\_amd64.deb

$ sudo dpkg -i libpng12-0\_1.2.54-1ubuntu1\_amd64.deb

```

Generally, installing packages from older distributions may break apt installation system, but since these dependencies are also present in Ubuntu-18.04, so the apt installation system works flawlessly.

**- How to manage certificates in different Ubuntu?**

On Ubuntu, Tizen Certificate Manager in Tizen Studio stores the passwords of the certificates in the gnome-keyring application. Therefore, you must enable the gnome-keyring application to ensure that Tizen Studio functions smoothly.

The remote login in a Linux desktop system does not have the DBUS\_SESSION\_BUS\_ADDRESS variable set in the session.

To store and lookup passwords in the host login keyring, you must set the DBUS\_SESSION\_BUS\_ADDRESS variable.

For more information, see <a href="https://developer.tizen.org/community/tip-tech/how-manage-certificates-and-package-applications-different-ubuntu-setups)">Manage certificates. </a>

- How to efficiently validate form data in Tizen Web app?

Validation typically occurs at the server end. If the data entered by the client is incorrect or the data is missing, the server responds, and the user needs to resubmit the form with correct information. The whole process incurs lot of time but to effectively validate the form data, see <a href="https://developer.tizen.org/community/tip-tech/form-validation-using-tizen-web">simple form validation in Tizen Web app.</a></p>

**- How to implement vibration API in Tizen Web app?**

Vibration API offers adds to the user experience and improves overall perception of the application. With vibration API, no third-party library is required to implement vibration feature. For more information on implementation of Tizen Vibration API, see <a href="https://developer.tizen.org/community/tip-tech/vibration-api-tizen-web-app">Vibration API. </a>

**- How to fix compatibility issues with Tizen Studio?**

Following are the various conditions that can cause compatibility issues:

- You are using an older workspace in the installed version of Tizen Studio.

- The Tizen Web, Tizen Native, and Tizen Native UI Builder perspectives are used.

- The Tizen Native or Tizen Native Builder perspectives were previously used.

- After installing the latest version of Tizen Studio using the installer without installing other tools using the Package Manager.

For more information, see <a href="https://developer.tizen.org/community/tip-tech/trouble-shooting-compatibility-previous-versions-tizen-studio">troubleshooting for compatibility.

**- How to update Package Manager using CLI?**

To update Tizen Studio using CLI Package Manager, use the update command with the following syntax:

```

package-manager-cli update [--accept-license] [--no-java-check] [--proxy <value>] [-f <file path>] [-p <password>] [--latest]

```

For information on the command switches, see <a href="https://docs.tizen.org/application/tizen-studio/setup/update-sdk#updating-with-the-cli-package-manager">Updating with the CLI Package Manager.</a>