**Installation of ROS2 Jazzy Jalisco in Linux Ubuntu 24.04 (Noble)**

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Status Page:

* ROS 2 Jazzy (Ubuntu Noble 24.04): [amd64](http://repo.ros2.org/status_page/ros_jazzy_default.html), [arm64](http://repo.ros2.org/status_page/ros_jazzy_unv8.html)
* [Jenkins Instance](http://build.ros2.org/)
* [Repositories](http://repo.ros2.org/)

1. **System setup (Follow the commands one by one)**
2. **Set locale**

Locale # Check for UTF-8

sudo apt update && sudo apt install locales

sudo locale-gen en\_US en\_US.UTF-8

sudo update-locale LC\_ALL=en\_US.UTF-8 LANG=en\_US.UTF-8

export LANG=en\_US.UTF-8

locale # verify settings

1. [**Enable required repositories**](https://docs.ros.org/en/jazzy/Installation/Ubuntu-Install-Debs.html#id4)

* First ensure that the [Ubuntu Universe repository](https://help.ubuntu.com/community/Repositories/Ubuntu) is enabled.

sudo apt install software-properties-common

sudo add-apt-repository universe

* Now add the ROS 2 GPG key with apt.

sudo apt update && sudo apt install curl -y

sudo curl -sSL [https://raw.githubusercontent.com/ros/rosdistro/master/ros.key -o /usr/share/keyrings/ros-archive-keyring.gpg](https://raw.githubusercontent.com/ros/rosdistro/master/ros.key%20-o%20/usr/share/keyrings/ros-archive-keyring.gpg)

* Then add the repository to your sources list.

echo "deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings/ros-archive-keyring.gpg] http://packages.ros.org/ros2/ubuntu $(. /etc/os-release && echo $UBUNTU\_CODENAME) main" | sudo tee /etc/apt/sources.list.d/ros2.list > /dev/null

1. **Install development tools**

sudo apt update && sudo apt install ros-dev tools

1. **Install ROS 2**

* Update & Upgrade your apt repository caches after setting up the repositories.

sudo apt update

sudo apt upgrade

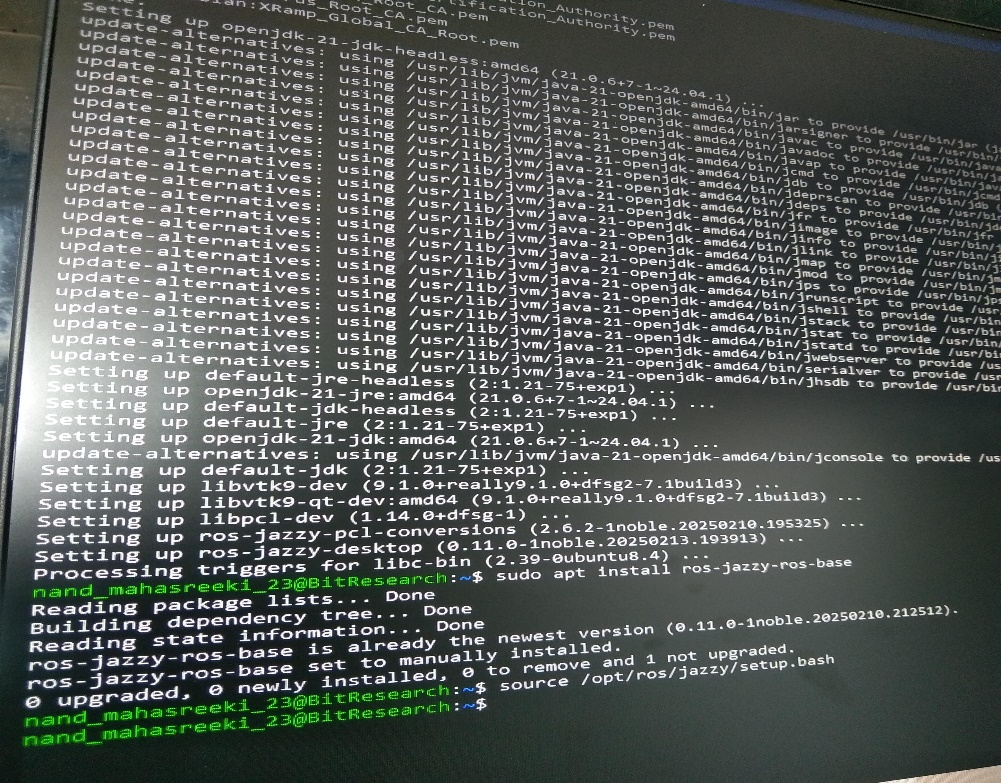
sudo apt install ros-jazzy-desktop

sudo apt install ros-jazzy-ros-base

1. **Setup Environment**

source /opt/ros/jazzy/setup.bash

**Result (Upto setting up of environment)**

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