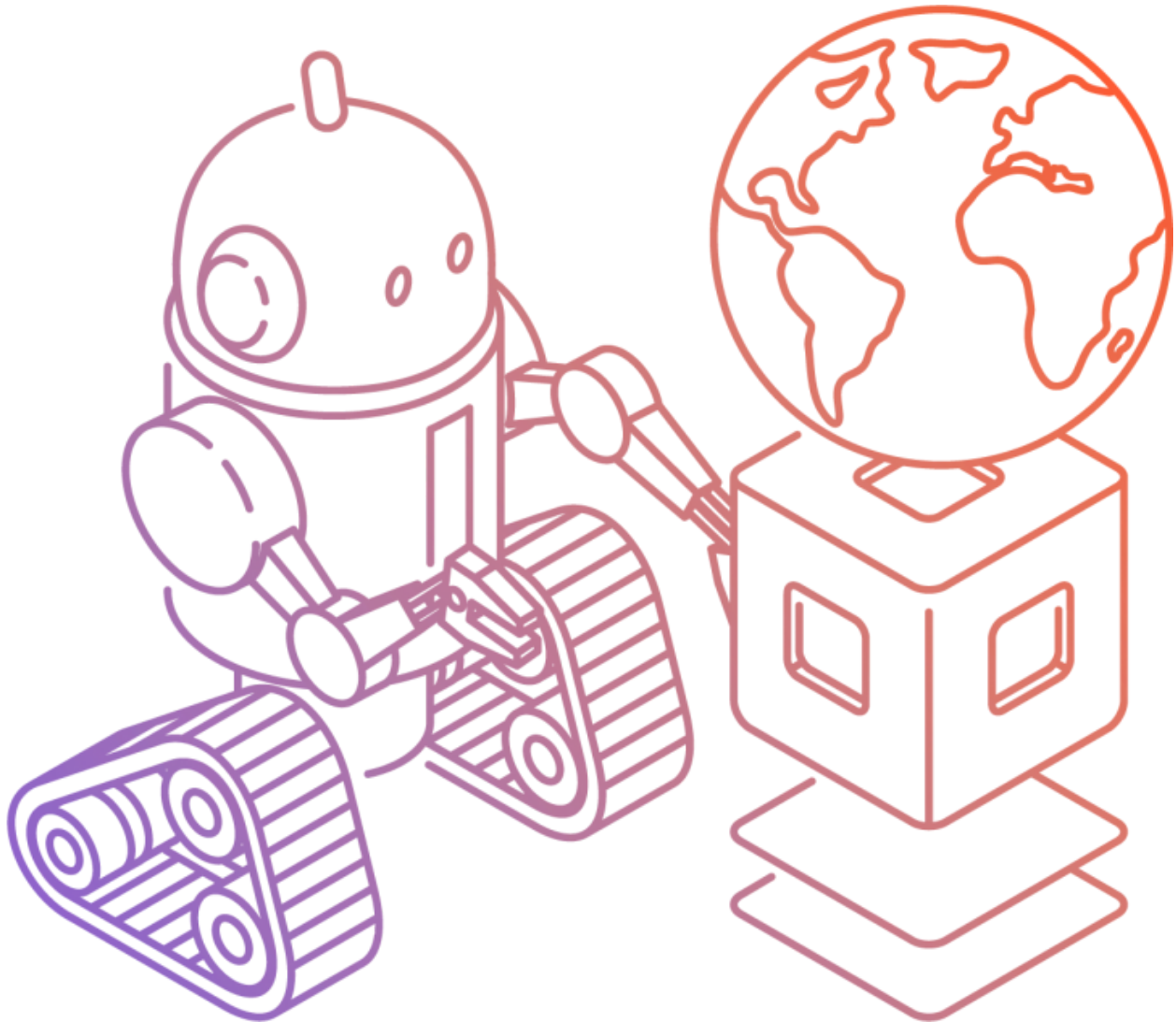


Problem Title : Deploy a cloud

A Cloud developer is someone with multiple horizons of skills and ideas , be it Devops, Debugging or programming . You work at a software company IS Robotics , you work as a software engineer, you need to deploy ROS (Robot Operating System) on Cloud which will allow the developers to run their robotic simulation and do more implementation





We Need to deploy ROS Neotic on the Cloud , Which is essentially going to allow the developers monitor and run their codes on the cloud .

Requirements for the Cloud

- **Ubuntu 20.04 LTS**
- **General purpose t2.micro.**
- **30GB of Storage**
- **Prerequisites**Create a AWS Account .

Installing Process for ROS (After Cloud is hosted and running)

Installation ROS

Configure your Ubuntu repositories

Setup your sources.list

Setup your computer to accept software from packages.ros.org.

- ```
sudo sh -c 'echo "deb http://packages.ros.org/ros/ubuntu $(lsb_release -sc) main" > /etc/apt/sources.list.d/ros-latest.list'
```

## Set up your keys

- ```
sudo apt install curl # if you haven't already installed curl
```

```
curl -s https://raw.githubusercontent.com/ros/rosdistro/master/ros.asc | sudo apt-key add -
```

Installation

First, make sure your Debian package index is up-to-date:

- ```
sudo apt update
```

Now pick how much of ROS you would like to install.

- **Desktop-Full Install: (Recommended)** : Everything in **Desktop** plus 2D/3D simulators and 2D/3D perception packages
  - ```
sudo apt install ros-noetic-desktop-full
```


or click here

Environment setup

You must source this script in every **bash** terminal you use ROS in.

```
source /opt/ros/noetic/setup.bash
```