With the announcement of Robot Operating System (ROS) Extended Security Maintenance (ESM), we have received many questions from our robotics community interested in knowing more about this enterprise solution. Some of these questions are related to ROS Kinetic End-of-life, others explore how ROS ESM enables security compliance and our enterprise support for ROS. This blog aims to answer some of the most common questions. For more background, please have a look at What is ROS ESM?.

[...] 

Extended Security Maintenance (ESM) for Ubuntu underpins ROS ESM and provides extended Linux kernel and open source security updates for the Ubuntu base OS. This includes key infrastructure components, like Ceph, OpenStack and Kubernetes, as well as open source applications, like Python 2, OpenCV3, PostgreSQL, NGINX, and more. Although not part of ROS, many of these applications are commonly bundled with robotics applications.
Looking for OpenStack CentOS alternatives after recent changes in the CentOS project?

Think Ubuntu? the most popular Linux distribution for OpenStack deployments, after CentOS, across development and production environments.

Wondering what makes Ubuntu different? Here are seven reasons you should consider Ubuntu when planning your CentOS migration.

[...]

You can install OpenStack on Ubuntu via regular deb packages available in the official Ubuntu Archive. As a result, it seamlessly plugs into the existing Ubuntu ecosystem. In addition, you can leverage various official projects, including OpenStack Charms and OpenStack Ansible which enable fully automated OpenStack installation and operations on Ubuntu.

Refer to the official installation instructions on the Ubuntu website for more information on how to set up a production-grade OpenStack cluster.

Or try MicroStack? a pure upstream OpenStack distribution, designed for small-scale and edge deployments that you can install with minimal effort. Even on your workstation!