

Ubuntu 16.04 TLS Development Environment

Ubuntu 16.04 TLS is a good, stable OS. After install the Ubuntu Desktop system, a set of applications should be installed to get a nice programming environment.

1 Web development applications

A while ago I wrote an article "[Web Development Tools for Ubuntu OS](#)". It introduced Geany for editing, Workbench for SQL, Meld for file comparison, and Google Chrome for web testing. These applications are still hold true for Ubuntu 16.04 TLS.

2. R programming environment

First, install R base. Execute the following command in a terminal window (CTL + ALT + T) to add the source url to the APT source list.

```
sudo echo "deb http://cran.rstudio.com/bin/linux/ubuntu xenial/" | sudo tee -a
/etc/apt/sources.list
sudo apt-get update
sudo apt-get install r-base r-base-dev
```

Then, install RStudio. Use the "Ubuntu Software" to search for R Studio and install it. It is pretty straight forward.

After install R Studio, you can open it and check if it works.

3. Python programming environment

Install Spyder. Use the "Ubuntu Software" to search for "Spyder" and install it. It is pretty straight forward.