

Software Development Project

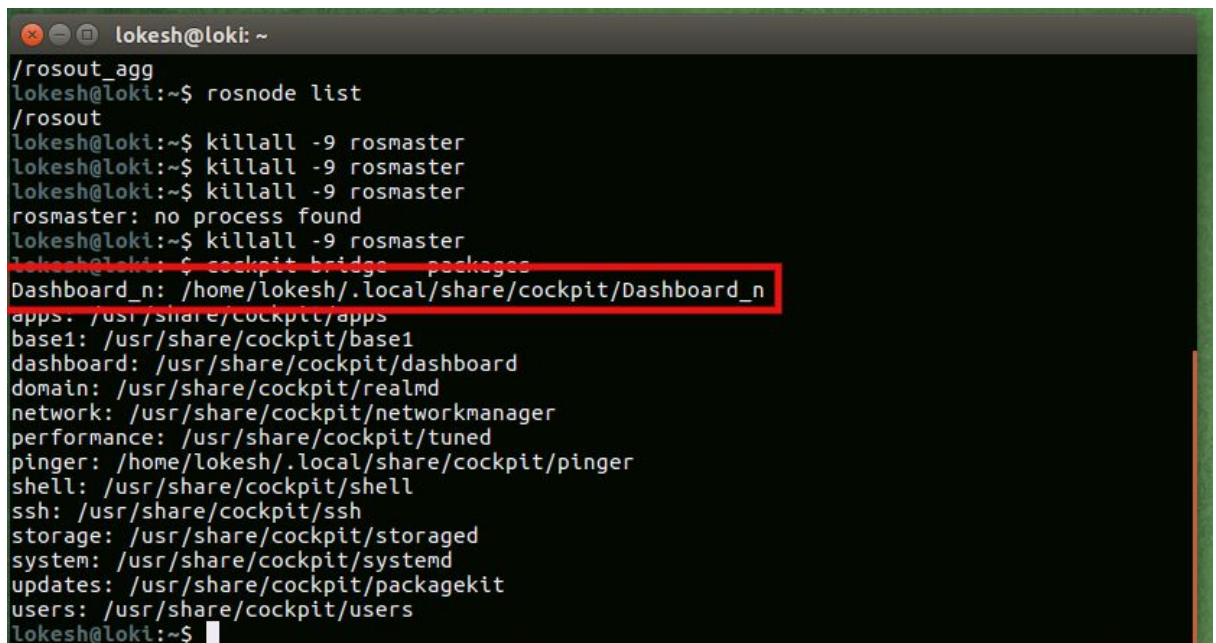
Phase_1 Delivery

Pre-requisites:

1. Cockpit - Can be installed by **\$ sudo apt-get install cockpit**
2. ROS-kinetic installed
3. Download Dashboard folder from github
(<https://github.com/lokeshveeramacheneni/Software-Development-Project>)

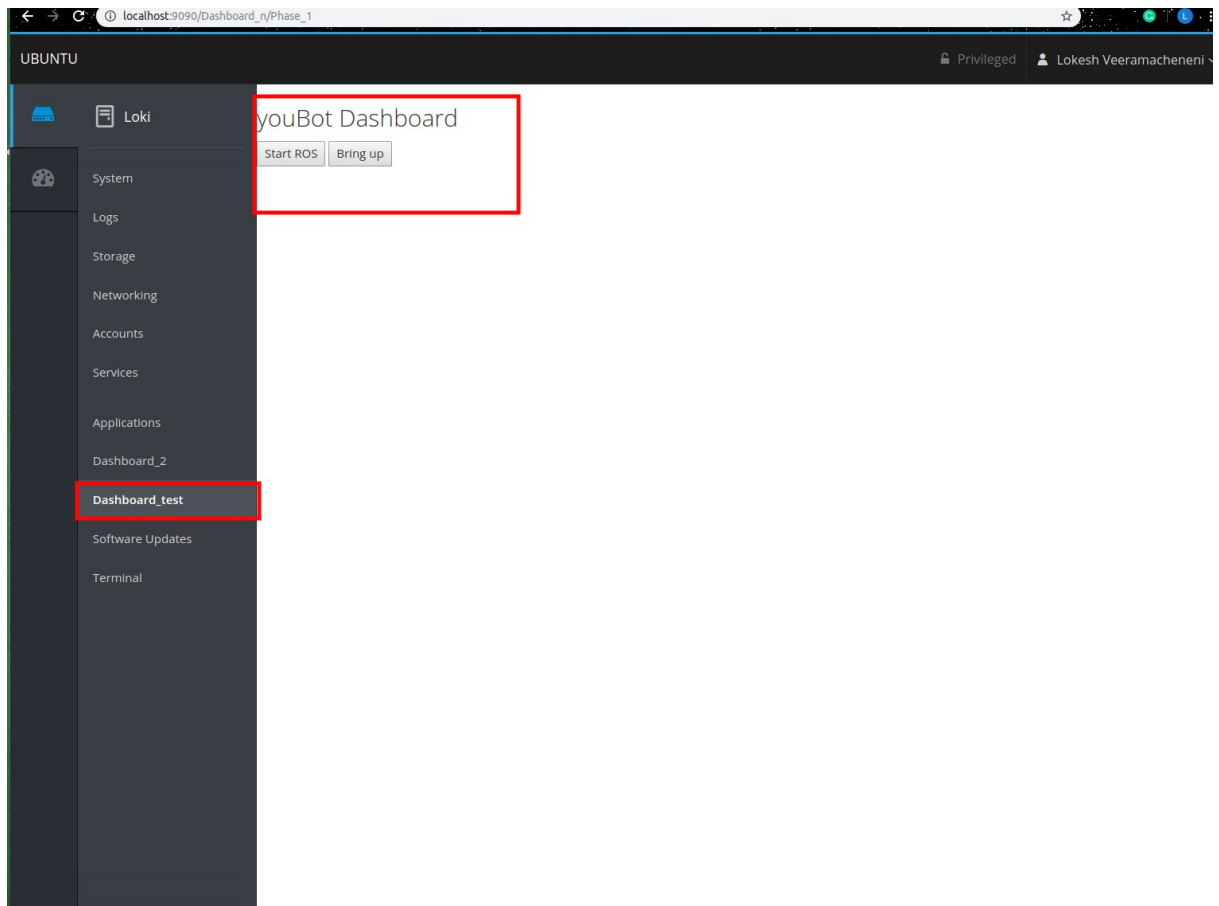
Steps to integrate the Dashboard into the cockpit:

1. Run this command to update the file database **\$ sudo updatedb**
2. Open Dashboard folder from terminal
3. Run these two commands from there
\$ mkdir -p ~/.local/share/cockpit
\$ ln -snf \$PWD ~/.local/share/cockpit/pinger
4. Linking of cockpit to Dashboard folder is done and can be checked by command
\$ cockpit-bridge --packages
5. The package must be visible in the list as shown in below image



```
lokes@loki: ~  
/rosout_agg  
lokes@loki:~$ rosnode list  
/rosout  
lokes@loki:~$ killall -9 rosmaster  
lokes@loki:~$ killall -9 rosmaster  
lokes@loki:~$ killall -9 rosmaster  
rosmaster: no process found  
lokes@loki:~$ killall -9 rosmaster  
lokes@loki:~$ cockpit-bridge --packages  
Dashboard_n: /home/lokes/.local/share/cockpit/Dashboard_n  
apps: /usr/share/cockpit/apps  
base1: /usr/share/cockpit/base1  
dashboard: /usr/share/cockpit/dashboard  
domain: /usr/share/cockpit/realmd  
network: /usr/share/cockpit/networkmanager  
performance: /usr/share/cockpit/tuned  
pinger: /home/lokes/.local/share/cockpit/pinger  
shell: /usr/share/cockpit/shell  
ssh: /usr/share/cockpit/ssh  
storage: /usr/share/cockpit/storaged  
system: /usr/share/cockpit/systemd  
updates: /usr/share/cockpit/packagekit  
users: /usr/share/cockpit/users  
lokes@loki:~$
```

- Launch the cockpit from search bar or type localhost:9090 in browser.
- Login with credentials
- You can see tab called "Dashboard_test" and on click of that gives you the page to start roscore.



Note:: [Without this change code doesn't work]

The major change must be done is, in every .sh file the path to the ROS setup.bash must be changed accordingly. As shown in below image.

