



## eYRC 2021-22: Agri Bot (AB)

# Example #3: Load YAML

## Aim

- To write a launch file to load `config_my.yaml` present in `pkg_ros_basics` package.
- Also launch the `node_param_get_set.py` ROS node after loading the YAML file.

## Code

`load_yaml.launch`

```
<launch>

  <rosparam file ="$(find pkg_ros_basics)/config/config_my.yaml"/>

  <node pkg="pkg_ros_basics" type="node_param_get_set.py" name="node_param_get_set" out

</launch>
```



Download

## Run Command

`roslaunch pkg_ros_basics load_yaml.launch`



## Output

```
... logging to /home/user/.ros/log/e4944c60-025e-11eb-9079-40ec993efb48/roslaunch-pc-4073
Checking log directory for disk usage. This may take a while.
Press Ctrl-C to interrupt
Done checking log file disk usage. Usage is <1GB.
```

started roslaunch server http://ey-pc:39407/

SUMMARY  
=====

PARAMETERS  
\* /details/contact/address: XYZ Street, XYZ  
\* /details/contact/phone: 77777  
\* /details/name/first: Hisenberg  
\* /details/name/last: White  
\* /rostdistro: melodic  
\* /rosversion: 1.14.7

NODES  
/  
node\_param\_get\_set (pkg\_ros\_basics/node\_param\_get\_set.py)

ROS\_MASTER\_URI=http://localhost:11311

```
process[node_param_get_set-1]: started with pid [16751]
[INFO] [1601393750.973627]: Reading from Parameter Server.
```

```
[INFO] [1601393750.977933]: >> First Name: Hisenberg
[INFO] [1601393750.980172]: >> Last Name: White
[INFO] [1601393750.982522]: >> Address: XYZ Street, XYZ
[INFO] [1601393750.985037]: >> Phone: 77777
[INFO] [1601393750.990911]: >> New Phone: 55555
[node_param_get_set-1] process has finished cleanly
log file: /home/ey-pc/.ros/log/e4944c60-025e-11eb-9079-40ec993efb48/node_param_get_set-1'
all processes on machine have died, roslaunch will exit
shutting down processing monitor...
... shutting down processing monitor complete
done
```

- The code is self-explanatory.
  - If you are not able to understand the code feel free to seek help from us.
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