

# bag\_tools Document

Version	Author	Date
v 1.0	Jimmyjiao	2019-12-17

## 1. Pre requests 装机准备

安装以下两个库, glog和gflags在我们的愚公里面因为一直有,这里就不赘述.

```
sudo apt-get install ros-kinetic-ros-type-introspection
sudo apt-get install ros-kinetic-topic-tools
cd ~/yugong_ws/src
git clone https://bitbucket.org/bito-robotics/bag_tools
```

之后正常在yugong\_ws里面编译即可.

## 2.launch和参数说明

### 2.1 rosbag\_record.launch:

```
<?xml version="1.0"?>
<launch>
  <group>
    <arg name="repo_name" default="yugong"/>
    <arg name="deploy_dir" default="$(env ROS_HOME)/../yugong_ws/src/$(arg
repo_name)/$(arg repo_name)"/>
    <arg name="agent_serial" default="$(env HOSTNAME)"/>
    <!-- <arg name="agent_serial" default="yg00b10018042309000n00"/> -->
    <node name="node_rosbag_record" pkg="bag_tools" type="rosbag_record"
args="--log_dir $(arg deploy_dir)/log --minloglevel 0 --max_log_size 10"
output="screen">
      <rosparam param="/deploy_dir" subst_value="True">$(arg
deploy_dir)/log</rosparam>
      <rosparam param="/agent_serial" subst_value="True">$(arg
agent_serial)</rosparam>
      <rosparam command="load" file="$(find bag_tools)/param/common.yaml"
/>
    </node>
  </group>
</launch>
```

会输出两个文件出来,一个是log,一个是bag文件.其中log会存在yugong/log下面, bag会存在/deploy\_dir制定的位置,所以如果自定义存放,可以修改上述的rosparam里面加载的位置.

## 2.2 common.yaml:

```
/add_agent_serial: true
/topics_name: ["/trajectory_index", "/tracker_state"]
```

topics\_name表示需要录制的topic的名称.

add\_agent\_serial表示是否要在topic前面加上launch中写的名称, 如文档中,加入的话, remap后的topic名称变成:

(假设HOSTNAME为yg00b00019120100001n00) ["/yg00b00019120100001n00/trajectory\_index",  
"/yg00b00019120100001n00/tracker\_state"]

## 3. 运行方法

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```
roslaunch bag_tools rosbag_record.launch
```

然后默认的在yugong/log下面可以找到rosbag和log文件

## 4.TODO

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- 1) bag的获取大小和中断重连的接口.
- 2) 自动删除bag包的操作.(shell脚本可能会更好)