

# ROS Commands

Below are some useful ROS Commands that you'll be using and needing to get information

- `roscore` - starts the roscore service required to playback and subscribe to bag topics
- `rosbag info` - lists information for a bag including the included topics

```
root@03efcb8f4879:/mnt/DataSets/internal/bags# rosbag info bag_laser_horiz_0.bag
path:      bag_laser_horiz_0.bag
version:   2.0
duration:  60.0s
start:     Sep 29 2022 16:07:41.83 (1664467661.83)
end:       Sep 29 2022 16:08:41.82 (1664467721.82)
size:      36.2 MB
messages:  3017
compression: bz2 [69/69 chunks; 68.63%]
uncompressed: 52.6 MB @ 898.2 KB/s
compressed:  36.1 MB @ 616.4 KB/s (68.63%)
types:      velodyne_msgs/VelodyneScan [50804fc9533a0e579e6322c04ae70566]
topics:     /laser_horiz/packets 3017 msgs : velodyne_msgs/VelodyneScan
root@03efcb8f4879:/mnt/DataSets/internal/bags#
```

- `rosbag play` - plays back the data recorded in a bag file

```
root@03efcb8f4879:/mnt/DataSets/internal/bags# rosbag play bag_laser_vert_0.bag
[ INFO] [1729462384.630717691]: Opening bag_laser_vert_0.bag

Waiting 0.2 seconds after advertising topics... done.

Hit space to toggle paused, or 's' to step.

[RUNNING] Bag Time: 1664467662.912766 Duration: 1.048908 / 59.992893
```

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