## 3.7 rosrun

rosrun allows you to run an executable in an arbitrary package from anywhere without having to give its full path or cd/roscd there first.
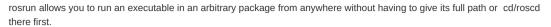
Usage:

```
rosrun <package> <executable>
```

Example:

```
rosrun roscpp_tutorials talker
```

It's also possible to pass a ~parameter using the following syntax (replace the ~ with an _):

```
rosrun package node _parameter:=value
```

Example:

```
rosrun my_package my_node _my_param:=value
```

Starting in **Indigo**, rosrun has a --prefix option which can be used to run a node in gdb or valgrind.

Example:

```
rosrun --prefix 'gdb -ex run --args' my_package my_node
```

For more example prefixes, see: 🌐 Roslaunch Nodes in Valgrind or GDB