

Call a service from the command line.

```
$ rosservice call /service_name service-args
```

e.g.

```
$ rosservice call /add_two_ints 1 2
```

--wait (*New in ROS 1.1*)

Wait until service is advertised before calling.

2.2.1 YAML syntax

Please see [YAML command line](#) for a detailed description and examples of how to specify service arguments to `call`.

2.2.2 Negative numbers

Please see [YAML command line](#) for a detailed description and examples of how to call `rosservice` with negative-number arguments.

2.3 rosservice find

find <service-type>

Display all services of a particular type.

```
$ rosservice find rospy_tutorials/AddTwoInts
```

2.4 rosservice list

list

List all the services that are currently available.

```
$ rosservice list
```

list <namespace> (ROS 0.11)

List all services in the specified namespace.

```
$ rosservice list /rosout
```

-n

Include the name of the node that implements the service.

```
$ rosservice list -n
```

2.5 rosservice info (ROS 0.11)

info <service-name>

Print information about specified service.

```
$ rosservice info /rosout
```

2.6 rosservice node

node <service-name>

Display the name of the node that provides a particular service.

```
$ rosservice node /service_name
```

2.7 rosservice type

type <service-name>

Display the type of a service.

```
$ rosservice type /service_name
```

This is useful in combination with [rossrv](#). For example, to show the [srv](#) file that defines a service:

```
$ rossrv show `rosservice type /service_name`
```

or with a shell pipe:

```
$ rosservice type add_two_ints | rossrv show
int64 a
int64 b
---
int64 sum
```

2.8 rosservice uri

uri <service-name>

Display the URI of a service. This is useful, for example, if you wish to know what address a service is using.

```
$ rosservice uri /service_name
```

3. Roadmap

rosservice is a stable command-line tool within the ROS core toolchain. It's currently feature set is not expected expand much. Currently, the only major feature planned is the ability to use YAML text files as well as piped YAML input with the rosservice call command. This feature is currently not scheduled.

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