
RobotPy WPIUtil Documentation

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RobotPy development team

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ROBOT PROGRAMMING

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WPIUTIL API

The C++ version of the WPIUtil library contains various utilities that user code and WPILib can use to accomplish common tasks that aren't necessarily provided by the C++ standard library.

Much of the content in WPIUtil is not useful for Python teams, so we don't provide access to most of WPIUtil directly. Luckily, RobotPy teams have access to the full Python standard library, which has many of the same types of things in it.

Note: If there's something in WPIUtil that you need access to from Python and it's not documented here, please [file an issue on github!](#)

1.1 wpiutil Package

wpiutil.PortForwarder

Forward ports to another host.

1.1.1 PortForwarder

class `wpiutil.PortForwarder`

Bases: `pybind11_builtins.pybind11_object`

Forward ports to another host. This is primarily useful for accessing Ethernet-connected devices from a computer tethered to the RoboRIO USB port.

add (*self*: `wpiutil.PortForwarder`, *port*: `int`, *remoteHost*: `str`, *remotePort*: `int`) → None

Forward a local TCP port to a remote host and port. Note that local ports less than 1024 won't work as a normal user.

Parameters

- **port** – local port number
- **remoteHost** – remote IP address / DNS name
- **remotePort** – remote port number

static getInstance () → `wpiutil.PortForwarder`

Get an instance of the PortForwarder class.

This is a singleton to guarantee that there is only a single instance regardless of how many times `GetInstance` is called.

remove (*self*: `wpiutil.PortForwarder`, *port*: `int`) → None
Stop TCP forwarding on a port.

Parameters `port` – local port number

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