

# PythonBrokerTests

## Python Broker System Test Suite

This is a suite of python client tests that exercise and verify broker functionality. Python allows us to rapidly develop client test scenarios and provides a 'neutral' set of tests that can run against any AMQP-compliant broker.

The python/tests directory contains a collection of python modules, each containing several unittest classes, each containing a set of test methods that represent some test scenario. Test classes inherit `qpido.TestBase` from `qpido/testlib.py`, it inherits `unittest.TestCase` but adds some qpido-specific `setUp/tearDown` and convenience functions.

TODO: get pydoc generated up to qpido wiki or website automatically?

## Running the tests

Simplest way to run the tests:

- Run a broker on the default port
- `./run_tests`

For additional options: `./run_tests --help`

## Expected failures

Until we complete functionality, tests may fail because the tested functionality is missing in the broker. To skip expected failures in the C++ or Java brokers:

```
./run_tests -I cpp_failing.txt
./run_tests -I java_failing.txt
```

If you fix a failure, please remove it from the corresponding list.