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Twisted

Twisted makes it easy to implement custom network applications. Here's a TCP server that echoes back everything that's written to it:

Twisted Documentation

Writing a TCP server Writing a TCP client Setting up the TwistedQuotes application Designing a Twisted application Tutorial: Twisted From Scratch

Reactor Overview — Twisted 25.5.0 documentation

The reactor is the core of the event loop within Twisted - the loop which drives applications using Twisted. The event loop is a programming construct that waits for and dispatches events or messages in a program.

Installing Twisted — Twisted 15.1.0 documentation

Installing Twisted ¶ Installing Optional Dependencies: documentation on how to install Twisted's optional dependencies.

Examples — Twisted 25.5.0 documentation

stdiodemo.py - example using stdio, Deferreds, LineReceiver and twisted.web.client. ptyserv.py - serve shells in pseudo-terminals over TCP courier.py - example of interfacing to Courier's mail filter interface longex.py - example of doing arbitrarily long calculations nicely in Twisted longex2.py - using generators to do long calculations

Twisted Documentation: The Basics

Other HOWTOs describe how to write custom code for Applications, but this one describes how to use already written code (which can be part of Twisted or from a third-party Twisted plugin developer).

Using the Twisted Application Framework

The major tool that manages Twisted applications is a command-line utility called twistd. twistd is cross platform, and is the recommended tool for running Twisted applications.

Developer Guides — Twisted 25.5.0 documentation

(You may also be interested in the legacy logging system if you are maintaining code written to work with older versions of Twisted.) Twisted RDBMS support with adbapi

Using the Twisted Web Client — Twisted 25.5.0 documentation

Using the Twisted Web Client Overview This document describes how to use the HTTP client included in Twisted Web. After reading it, you should be able to make HTTP and HTTPS requests using Twisted Web. You will be able to specify the request method, headers, and body and you will be able to retrieve the response code, headers, and body.

Twisted Core — Twisted 25.5.0 documentation

Twisted Core Developer guides: documentation on using Twisted Core to develop your own applications Examples: short code examples using Twisted Core Specifications: specification documents for elements of Twisted Core An API reference is available.