expect Documentation

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CHAPTER 1

Installation

```
pip install xpect
```

CHAPTER 2

Example usage

See the test suite: https://github.com/eerimoq/expect/blob/master/tests/test_expect.py

A basic login example using pyserial:

```
>>> import pyserial
>>> import expect
>>> serial_linux = pyserial.Serial("/dev/ttyS0")
>>> linux = expect.Handler(serial_linux)
>>> linux.send("")
>>> linux.expect(r"username: ")
>>> linux.send("root")
>>> linux.expect(r"password: ")
>>> linux.send("root")
>>> linux.expect(r"/home/root $ ")
```

CHAPTER 3

Classes

class `expect.`**`Handler`**(*iostream*, *eol='n'*, *break_conditions=None*, *print_input=True*, *print_output=False*, *split_pattern='n'*)

Class wrapping an io object.

`__init__`(*iostream*, *eol='\n'*, *break_conditions=None*, *print_input=True*, *print_output=False*, *split_pattern='\n'*)

Initialize object with given parameters.

Parameters

- **`iostream`** – Io stream to read data from and write data data to. The class of this object must implement two functions, read(count) and write(string). read() must return a string.
- **`eol`** – 'end of line' string to send after the 'send string'.
- **`break_conditions`** – expect() throws an exception if the returned value from *iostream*.read() is in this iterable.
- **`print_input`** – Print input on stdout.
- **`print_output`** – Print output on stdout.
- **`split_pattern`** – Split read data using this regexp before sreaching for a match.

`expect`(*pattern*, *timeout=None*, *print_input=True*)

Returns when regular expression *pattern* matches the data read from the output stream.

Parameters **`pattern`** – Regular expression to match.

Returns The matched string.

`send`(*string*, *send_eol=True*)

Writes a string to the iostream.

Parameters

- **`string`** – String to send.
- **`send_eol`** – Send 'end of line' after `string`.

Returns Return value of iostream.write().

Symbols

__init__() (expect.Handler method), 5

E

expect() (expect.Handler method), 5

H

Handler (class in expect), 5

S

send() (expect.Handler method), 5