

Component description

This component is a common utility component.

This creates a wrapper to a process. The wrapped process will be executed with the simulator, wrapping code may:

- read stdout from wrapped process
- poll stdout from wrapped process
- write to wrapped process' stdin
- send signals to wrapped process

Component usage

Object

```
soclib::common::ProcessWrapper *process;
```

Instanciation

```
soclib::common::ProcessWrapper(  
    const std::string &cmd,  
    const std::vector<std::string> &argv );
```

cmd

The command to launch, it will be looked for in \$PATH

argv

The argv in a standart unix style. argv[0] should look like cmd.

Usage

```
std::vector<std::string> argv;  
argv.push_back("date");  
argv.push_back("+%s");  
soclib::common::ProcessWrapper process("date", argv);  
  
char buffer[128];  
process.read( buffer, 128 );  
std::cout << "Date is " << buffer << " seconds since EPOCH" << std::endl;
```