Using the SCPS-FP Reference Implementation Software

The Reference Implementation Software for SCPS-FP is released as part of the SCPS stack

To use it …

1) Unzip and unpack the SCPS stack as per documentation.

2) Build the lower layers according to your mission needs.

3) Change to the FP directory and configure it using the shell script provided. The following is an example.

```
configure

Configuring make file for i586-pc-linux-gnu

Created "Makefile"
system=linux  size=small  debug=off  Using TP sockets
```

Your operating system name and CPU name may be different. The choices for the parameters are listed in the table below. Currently SCPS-FP runs under SunOS 4.1.3, FreeBSD, and Linux.

Parameter	Possible choices
size	small medium large
tp	yes no
debug	yes no

Parameter names and values can be abbreviated to their shortest unique length as in this example.

```
configure --si=l --t=n --d=n

Configuring make file for sparc-sun-sunos4.1.3_U1

Created "Makefile"
system=sunos  size=large  debug=off  Using Operating System sockets
```

4) Build it using make.

```
make
```

5) Run it.

The name of the server binary file is

```
server
```

This SCPS-FP server handles one open control connection at a time. The name of the client binary file is

```
sfp
```

To open a connection to the server type

```
open hostname
```

To log in, use the user command

```
user name
```

If the build size is "small", opening a connection is the same as logging in—there is no "user" command. Use the **help** command to find out what commands are available or to get help on a specific command.

The 'mib.defaults' file

Various parameters can be configured using the MIB (Management Information Base) file located in the current directory at startup. A sample is provided in the release file. The server reads the 'mib.defaults' file at startup and each time a connection cycles. The client reads it once at startup.