

118.2.11 Modules and Extensions for Perl on OS/390

Pure pure (that is non xs) modules may be installed via the usual:

```
perl Makefile.PL
make
make test
make install
```

If you built perl with dynamic loading capability then that would also be the way to build xs based extensions. However, if you built perl with the default static linking you can still build xs based extensions for OS/390 but you will need to follow the instructions in ExtUtils::MakeMaker for building statically linked perl binaries. In the simplest configurations building a static perl + xs extension boils down to:

```
perl Makefile.PL
make
make perl
make test
make install
make -f Makefile.aperl inst_perl MAP_TARGET=perl
```

In most cases people have reported better results with GNU make rather than the system's /bin/make program, whether for plain modules or for xs based extensions.

If the make process encounters trouble with either compilation or linking then try setting the _C89_CCMODE to 1. Assuming sh is your login shell then run:

```
export _C89_CCMODE=1
```

If tcsh is your login shell then use the setenv command.

118.3 AUTHORS

David Fiander and Peter Prymmer with thanks to Dennis Longnecker and William Raffloer for valuable reports, LPAR and PTF feedback. Thanks to Mike MacIsaac and Egon Terwedow for SG24-5944-00. Thanks to Ignasi Roca for pointing out the floating point problems. Thanks to John Goodyear for dynamic loading help.

118.4 SEE ALSO

INSTALL, *perlport*, *perlebcdic*, *ExtUtils::MakeMaker*.

<http://www-1.ibm.com/servers/eserver/zseries/zos/unix/bpxa1toy.html>

<http://www.redbooks.ibm.com/abstracts/sg245944.html>

<http://www-1.ibm.com/servers/eserver/zseries/zos/unix/bpxa1ty1.html#opensrc>

<http://www.xray.mpe.mpg.de/mailling-lists/perl-mvs/>

http://publibz.boulder.ibm.com:80/cgi-bin/bookmgr_OS390/BOOKS/ceea3030/

http://publibz.boulder.ibm.com:80/cgi-bin/bookmgr_OS390/BOOKS/CBCUG030/