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```

MPIF sample driver README

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1.0 PREREQUISITES

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The release levels are the following:  
maketpf/bldtpf tool for z/TPF 1.1

2.0 INSTALLATION

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- 1) FTP the tar file (mpif.tar.gz) to your linux system. This can be placed in any directory as a holding location, for example:  
/tmp/ztpftar
- 2) Create a root directory that will hold the unpacked files, for example: /ztpfdrvs
- 3) Extract the source code from the tar file by entering the following commands:  
cd /ztpfdrvs  
tar -xvzf /tmp/ztpftar/mpif.tar.gz

The driver source files will be extracted in the following directory structure:

```
macro/sd0rv.mac
mpif/dctmus.mac
mpif/dctmpr.mac
mpif/app_drvs.mak
mpif/mpif.cntl
mpif/MPIFReadme.txt
mpif/qea0.asm
mpif/qea1.asm
mpif/qea2.asm
mpif/qea3.asm
mpif/qea4.asm
mpif/qea5.asm
mpif/qea6.asm
mpif/qeaa.asm
mpif/qeab.asm
mpif/qeac.asm
mpif/qead.asm
mpif/qeae.asm
mpif/qeaf.asm
```

4) Create a maketpf.cfg file with the following contents:

```
APPL_ROOT := /ztpfdrvs
TPF_ROOT := /ztpf
TPF_BSS_NAME := BSS
#TPF_SS_NAME := WP
#USER_VERSION_CODE :=
```

a) Set APPL\_ROOT to the directory containing the driver source code extracted.

b) Set TPF\_ROOT to the directory containing the z/TPF source code.

c) Set TPF\_BSS\_NAME to the basic subsystem name of your TPF system.

By default,

this is set to BSS.

d) Optionally, set the TPF\_SS\_NAME to the subsystem name.

e) Optionally, set USER\_VERSION\_CODE to any desired two-character string for user version code for the shared objects built. By default, this is set to null.

Refer to the maketpf tool documentation for details on these variables.

5) Run the maketpf tool with the accompanied control file (mpif.cntl) to assemble, compile, and link the driver programs:

```
bldtpf /ztpfdrvs/mpif/mpif.cntl
```

6) Use the standard load procedure to transfer and load the following driver

programs to the TPF system:

```
QEA0.so, QEA1.so, QEA2.so, QEA3.so, QEA4.so, QEA5.so, QEA6.so,
QEAA.so,
QEAB.so, QEAC.so, QEAD.so, QEAE.so, QEAF.so
```

See Program Management for more information about building and loading

programs  
to the TPF system.

### 3.0 CUSTOMIZATION

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Update base/rt/cvzz.asm (or the tool that executes driver programs) to make an entry for this driver. The shared object QEAO is the main entry point for this driver.

Build and load the updated CVZZ program to the TPF system.

### 4.0 RUNNING THE DRIVER

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Please read the user's guide, available in Portable Document Format (PDF), provided along with this driver for more information about running the driver.

You can also issue ZTEST MPIF HELP for the online help display.

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