

```
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```

MEM5 sample driver README

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1.0 PREREQUISITES

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

2.0 INSTALLATION

- 1) FTP the tar file (mem5.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/mem5.tar.gz

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

```
mem5/mem5.cntl
mem5/MEM5Readme.txt
mem5/qm5a00.c
mem5/qm5a70.c
mem5/qm5a70.h
mem5/qm5a80.c
mem5/qm5a80.h
mem5/qm5a.mak
mem5/qm5b.c
mem5/qm5b.mak
```

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 (mem5.cntl) to assemble,

compile, and link the driver programs:

```
bldtpf /ztpfdrvs/mem5/mem5.cntl
```

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

programs to the TPF system:

```
QM5A.so, QM5B.so
```

See Program Management for more information about building and loading programs to the TPF system.

3.0 CUSTOMIZATION

Update base/rt/cvzz.asm (or the tool that executes driver programs) to make an entry for this driver. The shared object QM5A is the main entry point for this

driver.

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

4.0 RUNNING THE DRIVER

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 MEM5 HELP for the online help display.

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