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```

LISH sample driver README

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1.0 PREREQUISITES LISH sample driver

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

2.0 INSTALLING

- 1) FTP the tar file (lishd.tar.gz) to your linux system. This can be placed in any directory as a holding location, for example:
/tmp/ztpftar
lishd.tar.gz
- 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/lishd.tar.gz

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

lishd/lishd.cntl

```
lishd/slecb.h

lishd/qxn0.mak
lishd/qxn0.cpp
lishd/qxn01.asm

lishd/qxn1.mak
lishd/qxn1.cpp
lishd/owner_drv.asm

lishd/qxn3.mak
lishd/qxn3.cpp

lishd/qxn5.mak
lishd/qxn5.cpp
```

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

```
APPL_ROOT := /ztpfdrvs
TPF_ROOT := /ztpfbeta
TPF_BSS_NAME := BSS
#TPF_SS_NAME := WP
#USER_VERSION_CODE := 51
```

Set APPL_ROOT to the directory containing the driver source code extracted.

Set TPF_ROOT to the directory containing the z/TPF source code.

Set TPF_BSS_NAME to the basic subsystem name of your TPF system. By default, this is set to BSS.

Optionally, set the TPF_SS_NAME to the subsystem name

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 (lishd.cntl) to assemble, compile, and link the driver programs:

```
bldtpf /ztpfdrvs/lishd/lishd.cntl
```

6) Use the standard load procedure to transfer and load the following driver programs to the TPF system:

```
QXN0.so, QXN1.so, QXN3.so, QXN5.so
```

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

3.0 CUSTOMIZING LISH sample driver

Update base/rt/cvzz.asm (or the tool that execute driver programs) to make an entry for this LISH driver. The entrance shared object for this driver is

QXN5.

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

4.0 RUNNING LISH sample driver

Please read the driver user guide, available in Portable Document Format (PDF), provided along with this driver for commands to run this driver.

You can also issue ZTEST LISH HELP for online help display.

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