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```

CORO/CORO64 sample driver README

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CONTENTS

This file includes the following information:

- 1.0 PREREQUISITES
- 2.0 INSTALLATION
- 3.0 CUSTOMIZATION
- 4.0 RUNNING THE DRIVER
- 5.0 NOTICES
- 5.1 Trademarks

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 (coro.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/coro.tar.gz

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

```
coro/COROReadme.txt
macro/sd0rv.mac
include/c_coro.h
include/c_sd0rv.h
coro/app_drvs.mak
coro/qfn1.asm
coro/qfn2.asm
coro/qfn3.cpp
coro/qfn3.mak
coro64/app_drvs.mak
coro64/qms0.asm
coro64/qms1.asm
coro64/qms2.cpp
coro64/qms2.mak
tpftools/include_ztpf_user/maketpf.env_drvs_system
```

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) Copy the "tpftools" directory that was part of the extracted files, in to your TPF_ROOT directory (/ztpf/tpftools). The maketpf.env_drvs_system is required to build some of the driver programs.
- 6) The supported NOOBJ maketpf_envs have to be updated to include "drvs_system" maketpf_env. To do this, create the file maketpf.user_rules_setup1 (if it does not already exist) in your tpftools/include_ztpf_user directory with the following lines in it:

```
# Define any application non-object shippable environment file names
APPL_NOOBJ_ENVS += drvs_system
```

- 7) Run the maketpf tool with the accompanied control files (coro.cntl and coro64.cntl) to assemble, compile, and link the driver programs:

```
bldtpf /ztpfdrvs/coro/coro.cntl
bldtpf /ztpfdrvs/coro64/coro64.cntl
```

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

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 QFN2 is the main entry point for CORO driver, and the shared object QMS1 is the main entry point for CORO64 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 CORO/CORO64 HELP for the online help display.

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