Name-value pair exit logging readme

NOTE: Before using this information and the product it supports, read the general information under "Notices" in this document.

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1.0 Introduction

The name-value pair exit logging sample code provides you with an example implementation of how you can determine where in your code base you need to set name-value pairs. This code is not intended for use in production; it is a tool to help your investigations in test system environments. Customize this sample for your code base as needed.

With the name-value pair exit logging code, you can log which ECBs do not have name-value pairs set at exit time. The names of the originating programs are logged in system heap storage, and you can display them there.

2.0 Change history

20180403 Initial version

3.0 Prerequistes

The following list provides the required release levels:
z/TPF PUT 14

4.0 Installing name-value pair logging

1) Use FTP to transfer the compressed file to your Linux on IBM Z system. This can be placed in any directory as a holding location.

2) Create a root directory that will hold the unpacked files, for example: /ztpfdrvs

3) Extract the source code from the compressed file.

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

```
base/rt/urs2.asm
base/macro/ucnfeq.mac
base/cp/cusr.cpy
base/macro/invp2.mac
```

You can move the files to the TPF /base directory or keep them in a local_mod directory.

4) Reassemble real-time segment URS2, CP segments CCNUCL, and CCUEXT, and relink CPS0:

```
maketpf -f cps0 ccnucl.o ccuext.o
maketpf -f cps0 link
maketpf -f urs2
```

6) Use the standard load procedure to transfer and load the CPS0 and URS2 programs to the z/TPF system.

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

5.0 Customizing name-value pair exit logging

Update the EXITC macro processing user exit (UCCEXI) in base/cp/cusr.cpy so that only code in your user programs is logged to system heap. You must write code to display the data from the system heap. A CINFC tag, UMMNVP1, is available for programmatic access to the table. This table is subsystem unique. The code indexes into the table based on the following formula:
((base_PAT_address_of_the_program - beginning_of_the_PAT)/(size_of_the_PAT))

6.0 Running name-value pair exit logging

To run name-value pair exit logging, activate the UCCEXI user exit.

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