

z/TPF EE V1.1

z/TPFDF V1.1

TPF Toolkit for WebSphere® Studio V3

TPF Operations Server V1.2



IBM Software Group

TPF Users Group Spring 2006

TPF Operations Server Update

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Venue: Operations and Coverage Subcommittee

AIM Enterprise Platform Software

IBM z/Transaction Processing Facility Enterprise Edition 1.1.0

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TPF Operations Server V 1.2.04

- GA in May 26, 2006
 - Released on CD
 - Electronic delivery available
- Enhancements
- APARs

Enhancements

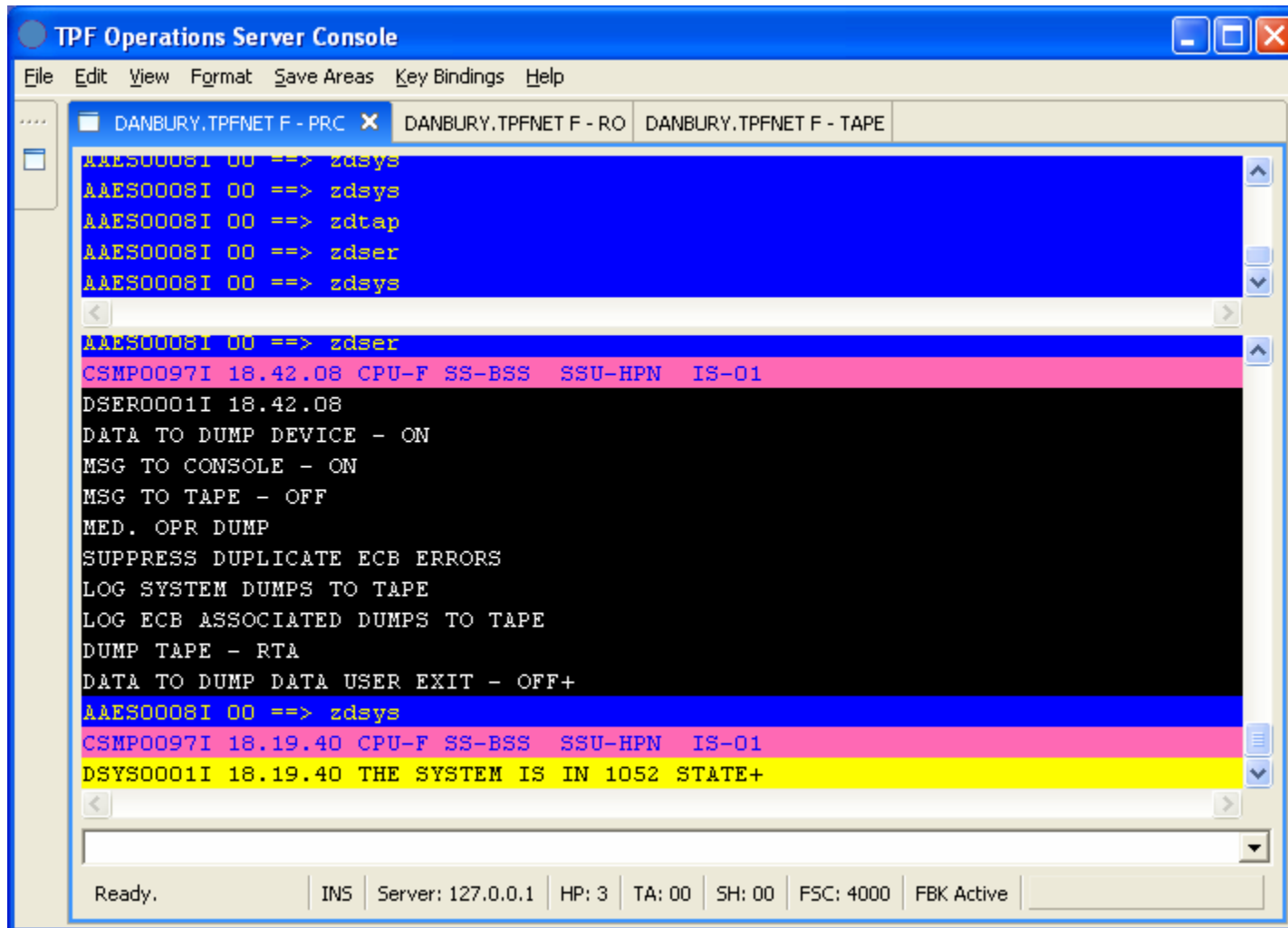
- New GUI Console
- New DB2 Logging Client
- Hiding Passwords
- Parameters for Script files
- More Simulator Files

New GUI Console

- New Console User Interface
 - Based on Eclipse Rich Client Platform
 - Better Session Organization
 - Improved Accessibility Support
 - Improved Customization
- Shipping IBM Java Runtime Environment (JRE)
 - Optimized JRE
 - Easier setup

New Console

- Based on Eclipse Rich Client Platform

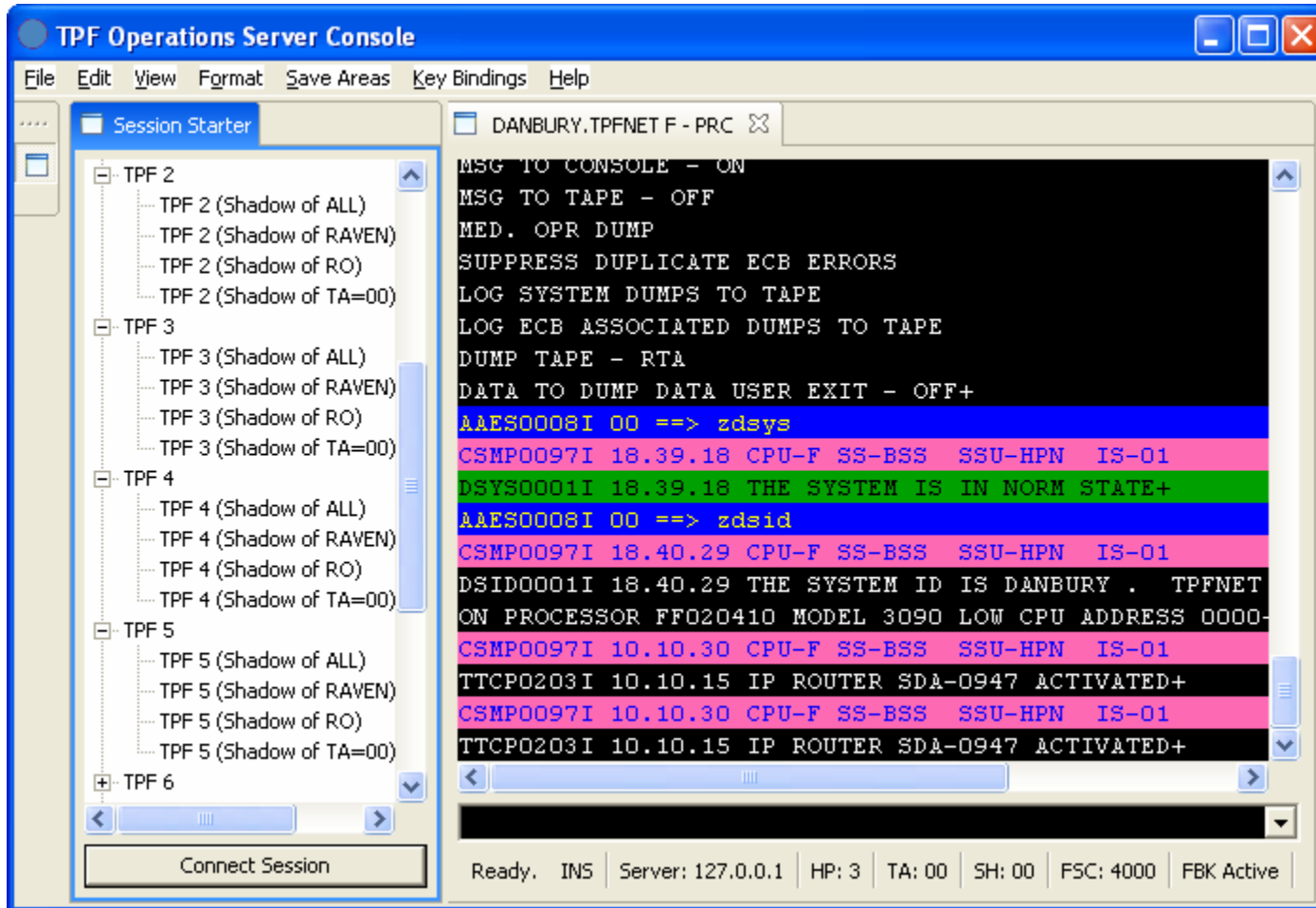


The screenshot shows the 'TPF Operations Server Console' window. The title bar includes standard window controls (minimize, maximize, close) and the text 'TPF Operations Server Console'. Below the title bar is a menu bar with 'File', 'Edit', 'View', 'Format', 'Save Areas', 'Key Bindings', and 'Help'. The main area contains a list of messages and status information, with several lines highlighted in different colors (blue, pink, black, yellow). The messages include system status updates and configuration settings. At the bottom, there is a status bar with the text 'Ready.' and various system parameters: 'INS', 'Server: 127.0.0.1', 'HP: 3', 'TA: 00', 'SH: 00', 'FSC: 4000', and 'FBK Active'.

```
TPF Operations Server Console
File Edit View Format Save Areas Key Bindings Help
DANBURY.TPFNET F - PRC x DANBURY.TPFNET F - RO DANBURY.TPFNET F - TAPE
AAES0008I 00 ==> zdsys
AAES0008I 00 ==> zdsys
AAES0008I 00 ==> zdtap
AAES0008I 00 ==> zdser
AAES0008I 00 ==> zdsys
AAES0008I 00 ==> zdser
CSMP0097I 18.42.08 CPU-F SS-BSS SSU-HPN IS-01
DSER0001I 18.42.08
DATA TO DUMP DEVICE - ON
MSG TO CONSOLE - ON
MSG TO TAPE - OFF
MED. OPR DUMP
SUPPRESS DUPLICATE ECB ERRORS
LOG SYSTEM DUMPS TO TAPE
LOG ECB ASSOCIATED DUMPS TO TAPE
DUMP TAPE - RTA
DATA TO DUMP DATA USER EXIT - OFF+
AAES0008I 00 ==> zdsys
CSMP0097I 18.19.40 CPU-F SS-BSS SSU-HPN IS-01
DSYS0001I 18.19.40 THE SYSTEM IS IN 1052 STATE+
Ready. INS Server: 127.0.0.1 HP: 3 TA: 00 SH: 00 FSC: 4000 FBK Active
```

New Console

- Improved session organization



New Console

- Managing open sessions

The screenshot displays the TPF Operations Server Console interface, which is divided into four panes, each representing a different server session. Each pane shows a list of system messages and a status bar at the bottom.

Session A: DANBURY.TPFNET A - PRC

```

CSMP0097I 10.38.00 CPU-F SS-BSS SSU-HPN IS
COUH0015I 10.38.00 CODR POLICING OK+
CSMP0097I 10.40.05 CPU-F SS-BSS SSU-HPN IS
CVZB0001I 10.40.05 LAST FALLBACK COPY OF CP
MODULE: 048 DEVICE: ODE3+
CSMP0097I 10.40.05 CPU-F SS-BSS SSU-HPN IS
CVZB0001I 10.40.05 LAST FALLBACK COPY OF CP
MODULE: 048 DEVICE: ODE3+
    
```

Status: Ready. INS | Server: 127.0.0.1 | HP: 3 | TA: 00 | SH: 00 | FSC: 4000

Session B: DANBURY.TPFNET B - PRC

```

CVZ10001I 10.25.06 LAST EXTENT COPY OF CP KE
CSMP0097I 10.38.00 CPU-F SS-BSS SSU-HPN IS
COUH0015I 10.38.00 CODR POLICING OK+
CSMP0097I 10.38.00 CPU-F SS-BSS SSU-HPN IS
COUH0015I 10.38.00 CODR POLICING OK+
AAES0008I 00 ==> zdsys
CSMP0097I 18.39.18 CPU-F SS-BSS SSU-HPN IS
DSYS0001I 18.39.18 THE SYSTEM IS IN NORM STA
    
```

Status: Ready. INS | Server: 127.0.0.1 | HP: 7 | TA: 00 | SH: 00 | FSC: 4000

Session C: DANBURY.TPFNET C - PRC

```

DUMP TAPE - RTA
DATA TO DUMP DATA USER EXIT - OFF+
AAES0008I 01 ==> zdtap
CSMP0097I 18.19.40 CPU-F SS-BSS SSU-HPN IS
COTD0037I 18.19.40 DTAP HPN NO ENTRIES FO
AAES0008I 01 ==> zdsys
CSMP0097I 18.19.40 CPU-F SS-BSS SSU-HPN IS
DSYS0001I 18.19.40 THE SYSTEM IS IN 1052 STA
    
```

Status: Ready. INS | Server: 127.0.0.1 | HP: 9 | TA: 01 | SH: 00 | FSC: 4000

Session D: DANBURY.TPFNET D - PRC

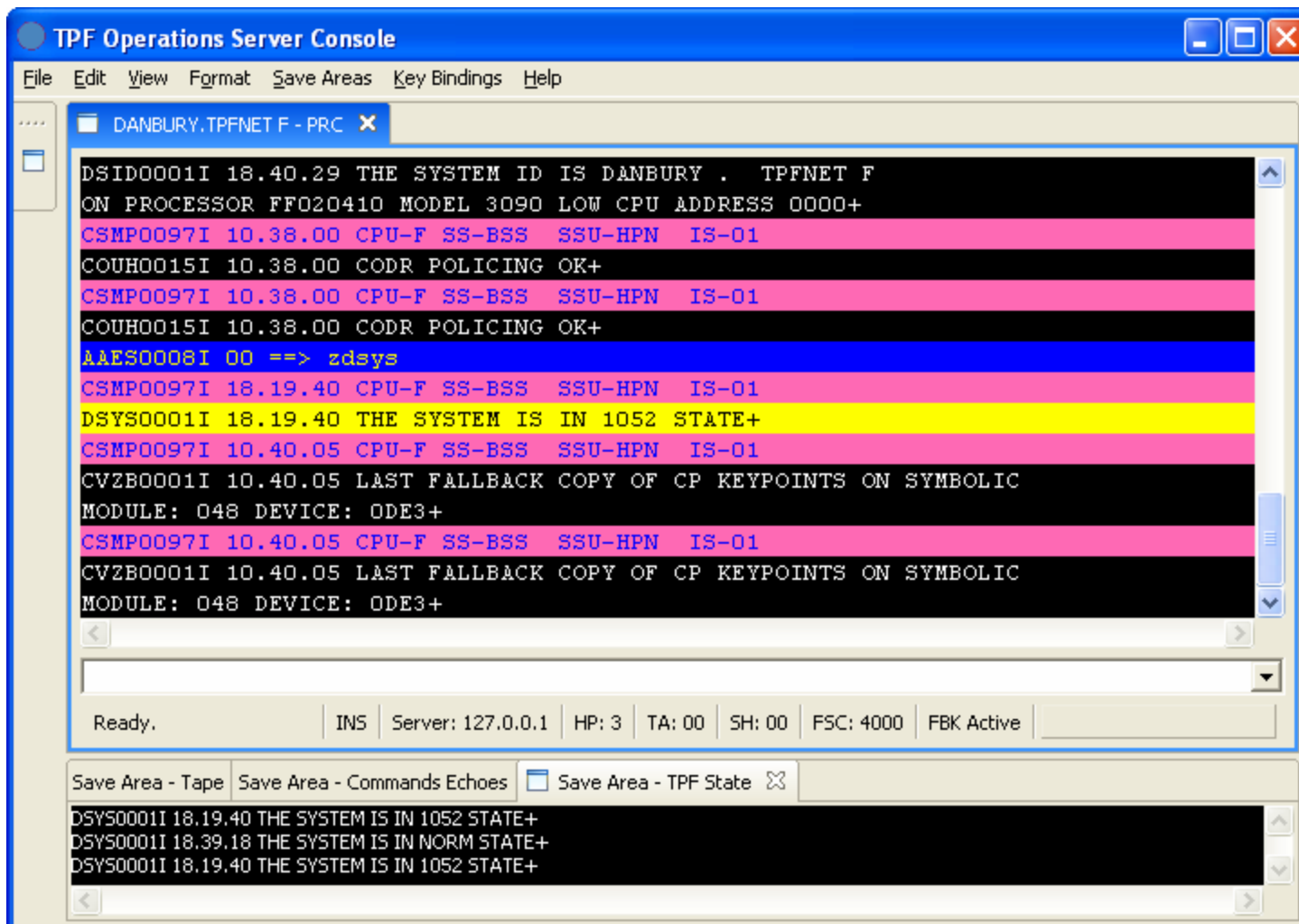
```

CSMP0097I 10.25.06 CPU-F SS-BSS SSU-HPN IS
CVZ10001I 10.25.06 LAST EXTENT COPY OF CP KE
CSMP0097I 10.38.00 CPU-F SS-BSS SSU-HPN IS
COUH0015I 10.38.00 CODR POLICING OK+
AAES0008I 01 ==> zdsid
CSMP0097I 18.40.29 CPU-F SS-BSS SSU-HPN IS
DSID0001I 18.40.29 THE SYSTEM ID IS DANBURY
ON PROCESSOR FFO20410 MODEL 3090 LOW CPU ADD
    
```

Status: Ready. INS | Server: 127.0.0.1 | HP: 5 | TA: 01 | SH: 00 | FSC: 4000

New Console

- Saved message areas



The screenshot displays the TPF Operations Server Console window. The title bar reads "TPF Operations Server Console". The menu bar includes "File", "Edit", "View", "Format", "Save Areas", "Key Bindings", and "Help". A tab labeled "DANBURY.TPFNET F - PRC" is active. The main display area shows a list of system messages with the following text:

```
DSID0001I 18.40.29 THE SYSTEM ID IS DANBURY . TPFNET F
ON PROCESSOR FFO20410 MODEL 3090 LOW CPU ADDRESS 0000+
CSMP0097I 10.38.00 CPU-F SS-BSS SSU-HPN IS-01
COUH0015I 10.38.00 CODR POLICING OK+
CSMP0097I 10.38.00 CPU-F SS-BSS SSU-HPN IS-01
COUH0015I 10.38.00 CODR POLICING OK+
AAES0008I 00 ==> zdsys
CSMP0097I 18.19.40 CPU-F SS-BSS SSU-HPN IS-01
DSYS0001I 18.19.40 THE SYSTEM IS IN 1052 STATE+
CSMP0097I 10.40.05 CPU-F SS-BSS SSU-HPN IS-01
CVZB0001I 10.40.05 LAST FALLBACK COPY OF CP KEYPOINTS ON SYMBOLIC
MODULE: 048 DEVICE: ODE3+
CSMP0097I 10.40.05 CPU-F SS-BSS SSU-HPN IS-01
CVZB0001I 10.40.05 LAST FALLBACK COPY OF CP KEYPOINTS ON SYMBOLIC
MODULE: 048 DEVICE: ODE3+
```

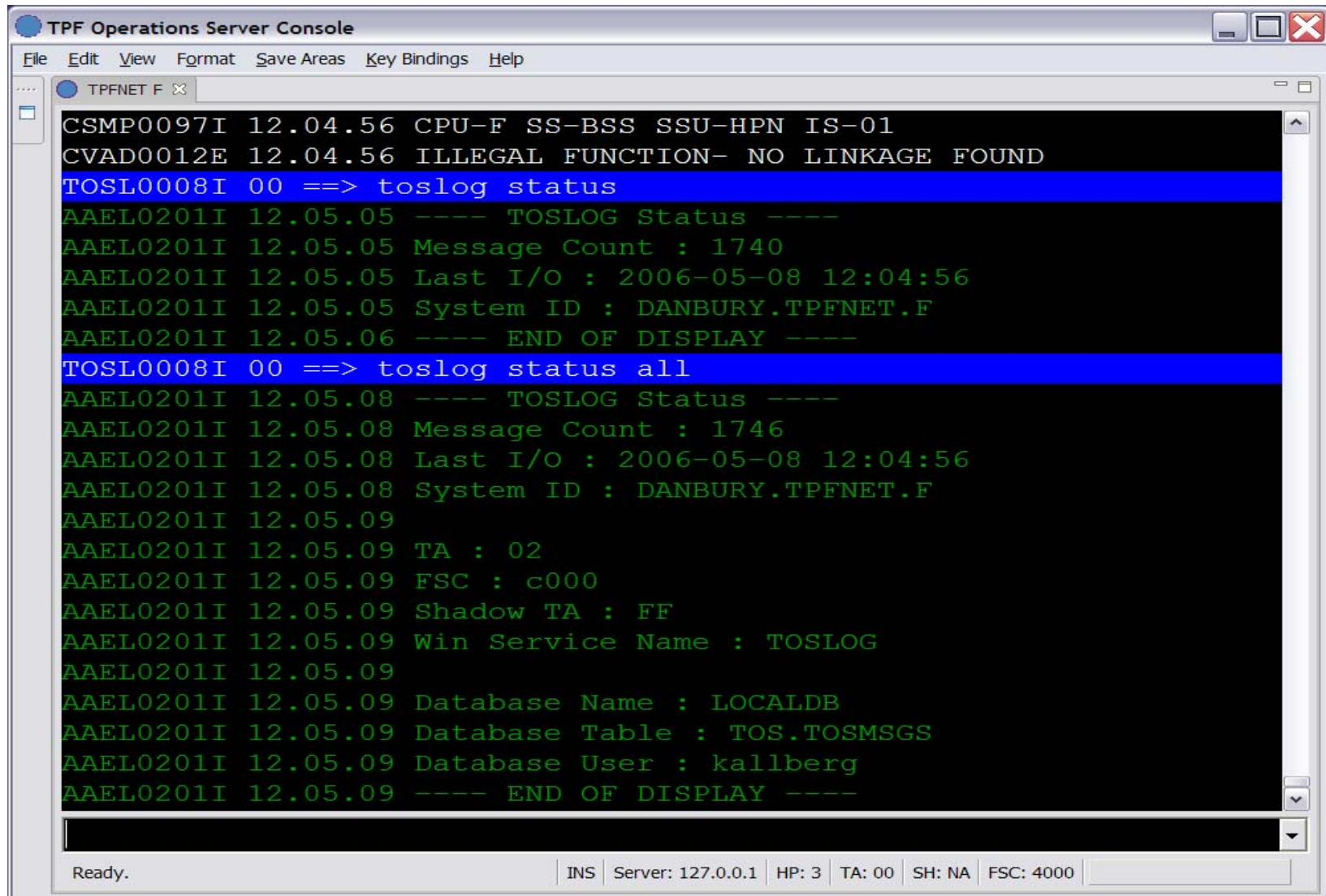
Below the messages is a status bar with the text "Ready." and several fields: "INS", "Server: 127.0.0.1", "HP: 3", "TA: 00", "SH: 00", "FSC: 4000", and "FBK Active". At the bottom, there are three tabs: "Save Area - Tape", "Save Area - Commands Echoes", and "Save Area - TPF State" (which is selected). The selected tab shows the following messages:

```
DSYS0001I 18.19.40 THE SYSTEM IS IN 1052 STATE+
DSYS0001I 18.39.18 THE SYSTEM IS IN NORM STATE+
DSYS0001I 18.19.40 THE SYSTEM IS IN 1052 STATE+
```


New DB2 Logging Client

- Windows Service
- Requires Windows ODBC Data Source definition
 - DB2 CATALOG SYSTEM ODBC DATA SOURCE <DBNAME>
- TOSLOG INSTALL, UNINSTALL – Service
- TOSLOG START, STOP of the Service
- TOSLOG RUN – run as an Windows application
- TOSLOG routed command to control
 - `TOSLOG STATUS, STATUS ALL, PAUSE, RESUME, EXIT`
 - Control from any console or automation client.
- NO separate GUI

DB2 Logging Client Status



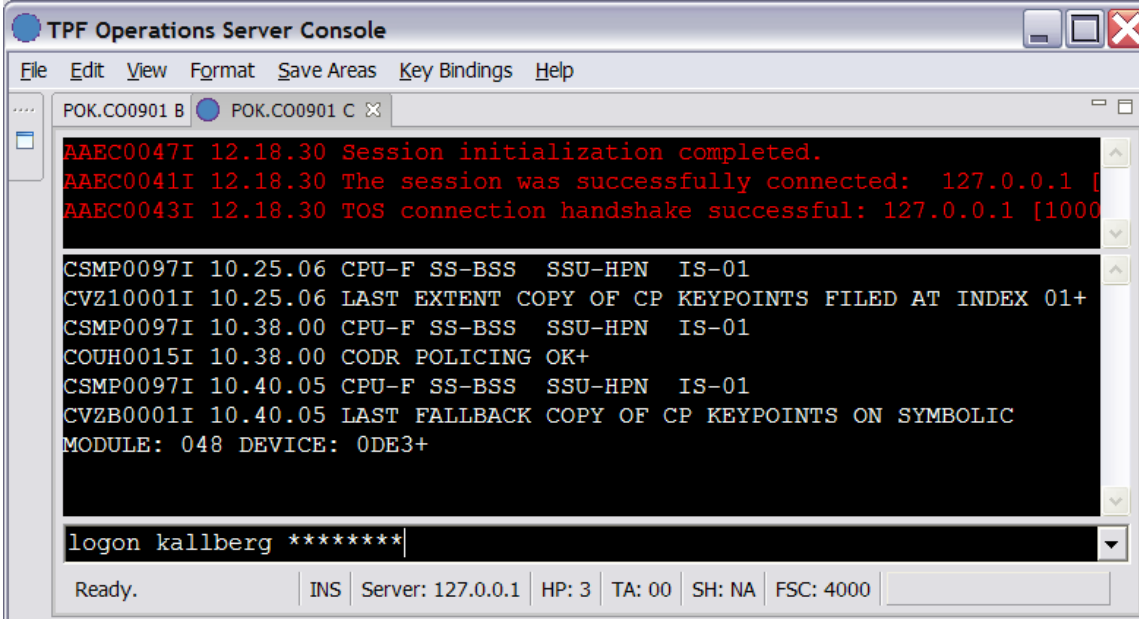
The screenshot shows a terminal window titled "TPF Operations Server Console" with a menu bar (File, Edit, View, Format, Save Areas, Key Bindings, Help) and a tab labeled "TPFNET F". The terminal displays the following output:

```
CSMP0097I 12.04.56 CPU-F SS-BSS SSU-HPN IS-01
CVAD0012E 12.04.56 ILLEGAL FUNCTION- NO LINKAGE FOUND
TOSL0008I 00 ==> toslog status
AAEL0201I 12.05.05 ---- TOSLOG Status ----
AAEL0201I 12.05.05 Message Count : 1740
AAEL0201I 12.05.05 Last I/O : 2006-05-08 12:04:56
AAEL0201I 12.05.05 System ID : DANBURY.TPFNET.F
AAEL0201I 12.05.06 ---- END OF DISPLAY ----
TOSL0008I 00 ==> toslog status all
AAEL0201I 12.05.08 ---- TOSLOG Status ----
AAEL0201I 12.05.08 Message Count : 1746
AAEL0201I 12.05.08 Last I/O : 2006-05-08 12:04:56
AAEL0201I 12.05.08 System ID : DANBURY.TPFNET.F
AAEL0201I 12.05.09
AAEL0201I 12.05.09 TA : 02
AAEL0201I 12.05.09 FSC : c000
AAEL0201I 12.05.09 Shadow TA : FF
AAEL0201I 12.05.09 Win Service Name : TOSLOG
AAEL0201I 12.05.09
AAEL0201I 12.05.09 Database Name : LOCALDB
AAEL0201I 12.05.09 Database Table : TOS.TOSMSGs
AAEL0201I 12.05.09 Database User : kallberg
AAEL0201I 12.05.09 ---- END OF DISPLAY ----
```

At the bottom of the console, the status bar shows "Ready." and system information: "INS Server: 127.0.0.1 HP: 3 TA: 00 SH: NA FSC: 4000".

Hiding Passwords

- Hide text within command line
- Define in the session configuration (.CONF) file
 - `Console.hide_string1=logon %visible% %hide%`



The screenshot shows the TPF Operations Server Console window. The title bar reads "TPF Operations Server Console". The menu bar includes "File", "Edit", "View", "Format", "Save Areas", "Key Bindings", and "Help". The main window displays a list of system messages in red text on a black background. The messages include session initialization completion, successful connection to 127.0.0.1, and TOS connection handshake success. Below these, there are several system messages in white text, including CPU-F SS-BSS SSU-HPN IS-01, LAST EXTENT COPY OF CP KEYPOINTS FILED AT INDEX 01+, CODR POLICING OK+, and LAST FALLBACK COPY OF CP KEYPOINTS ON SYMBOLIC MODULE: 048 DEVICE: 0DE3+. At the bottom of the console, the command "logon kallberg *****" is entered, where the password is masked with asterisks. The status bar at the bottom shows "Ready." and various system parameters: "INS Server: 127.0.0.1 HP: 3 TA: 00 SH: NA FSC: 4000".

```
TPF Operations Server Console
File Edit View Format Save Areas Key Bindings Help
POK.CO0901 B POK.CO0901 C x
AAEC0047I 12.18.30 Session initialization completed.
AAEC0041I 12.18.30 The session was successfully connected: 127.0.0.1 [
AAEC0043I 12.18.30 TOS connection handshake successful: 127.0.0.1 [1000
CSMP0097I 10.25.06 CPU-F SS-BSS SSU-HPN IS-01
CVZ10001I 10.25.06 LAST EXTENT COPY OF CP KEYPOINTS FILED AT INDEX 01+
CSMP0097I 10.38.00 CPU-F SS-BSS SSU-HPN IS-01
COUH0015I 10.38.00 CODR POLICING OK+
CSMP0097I 10.40.05 CPU-F SS-BSS SSU-HPN IS-01
CVZB0001I 10.40.05 LAST FALLBACK COPY OF CP KEYPOINTS ON SYMBOLIC
MODULE: 048 DEVICE: 0DE3+
logon kallberg *****
Ready. INS Server: 127.0.0.1 HP: 3 TA: 00 SH: NA FSC: 4000
```

Parameters for Script Files

- TDRs and FILs from console now support parameters.
 - Format same as RAVEN TDRs
 - !script test.tdr P1=ZSTAT P8=STAT00
 - C: &P1
 - E: &P8
 - Works with FIL Scripts as well
 - !script abc.fil P1=wp
 - &P1\zdsys+ → wp\zdsys+
 - Up to 10 parameters supported

Console Script Parameters

```

tape.fil - Notepad
File Edit Format View Help
* P1=drive P2=tape
z tvar a &P1+
z tplf load dev-&P1 vsn-&P2+
z tmnt rta &P1 AO+
z dtap+
    
```

The screenshot shows the TPF Operations Server Console interface. A script execution window is open, displaying a list of system messages. A 'Script Parameters' dialog box is overlaid on the console, allowing configuration of parameters P1 through P10. The console output includes the following messages:

```

COSA0146A 12.16.00 TRST BSS MOUNT RTA TAPE +
CSMP0097I 12.16.
CORO0006I 12.16.
CSMP0097I 12.16.
CL110001I 12.16.
CSMP0097I 12.16.
CL210005I 12.16.
CSMP0097I 12.16.
CL210001I 12.16.
CSMP0097I 12.16.
CLM10006E 12.16.
CSMP0097I 12.16.
CLM10003W 12.16.
CSMP0097I 12.16.
CFLK0204I 12.16.
CSMP0097I 12.16.
CFCC0025I 12.16.
CSMP0097I 12.16.
COTB0176I 12.16.
CSMP0097I 12.16.
COSA0146A 12.16.00 TRST BSS MOUNT RTA TAPE +
    
```

The 'Script Parameters' dialog box contains the following fields:

- P1: 420
- P2: tv1000
- P3: (empty)
- P4: (empty)
- P5: (empty)
- P6: (empty)
- P7: (empty)
- P8: (empty)
- P9: (empty)
- P10: (empty)

Buttons for 'OK' and 'Cancel' are visible at the bottom of the dialog box.

More Simulator Files

- 512 files now supported for output of commands
- Each file supports multiple responses to a command.

APARs of Interest

- IC47251 – Option in server to delay consecutive commands
 - HOSTCFG.DAT option “Command Pace Limit”
- IC47404 – Option to use LOG2FILE to send messages to printer
 - LPTx or COMx options
- IC47456 – Exception in console sending commands
- IC47508 – ability to disable close of the console window
 - CONSOLE.CLOSEWINDOW=DISABLE
- IC47486 – Priority given to routed commands in console
 - !PURGECMDS to clear queued up commands
- IC48780 – Many command with –AUDIO may delay messages
- IC48927 – LOG2FILE failure opening new log file

RAVEN APAR Enhancements

- Various APARS Included in TPF Operations Server V 1.2.04
 - Commands no longer sent to an inactive host port
 - Still allow routed messages to go through
 - Number of STIM entries increased to 60
 - Changes to user global variables
 - Number of user global variables increased to 50
 - Fix for Raven global variable lock
 - Global variables may now contain spaces or nulls
 - Label option added to TC: in TDR.
 - TC:<time>,<label>
 - Variations get FSC and TA info for messages
 - New variables: message_fsc, message_ta

TPF Operations Server Service Deliveries

- TPF Operations Server V 1.2.04 available softcopy
 - Registration required to receive electronic delivery.
- Individual APARs available on the Web
 - TPF -> SUPPORT -> MAINTENANCE
(<http://www.ibm.com/tpf/pages/maint.htm>)
 - APARs listed in the order closed
 - Unzip package and run TOSAPAR.BAT to apply.
- Patch file containing all the latest closed APARs
 - TOS_PATCHyyyymmdd.ZIP
 - Extract and run TOS_Patch.BAT
 - Use with code delivery applications.

Questions



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