



IBM Software Group

# Positive Feedback Support

Operations and Coverage Subcommittee

Rick Matela  
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## AIM Core and Enterprise Solutions

IBM z/Transaction Processing Facility Enterprise Edition 1.1.0

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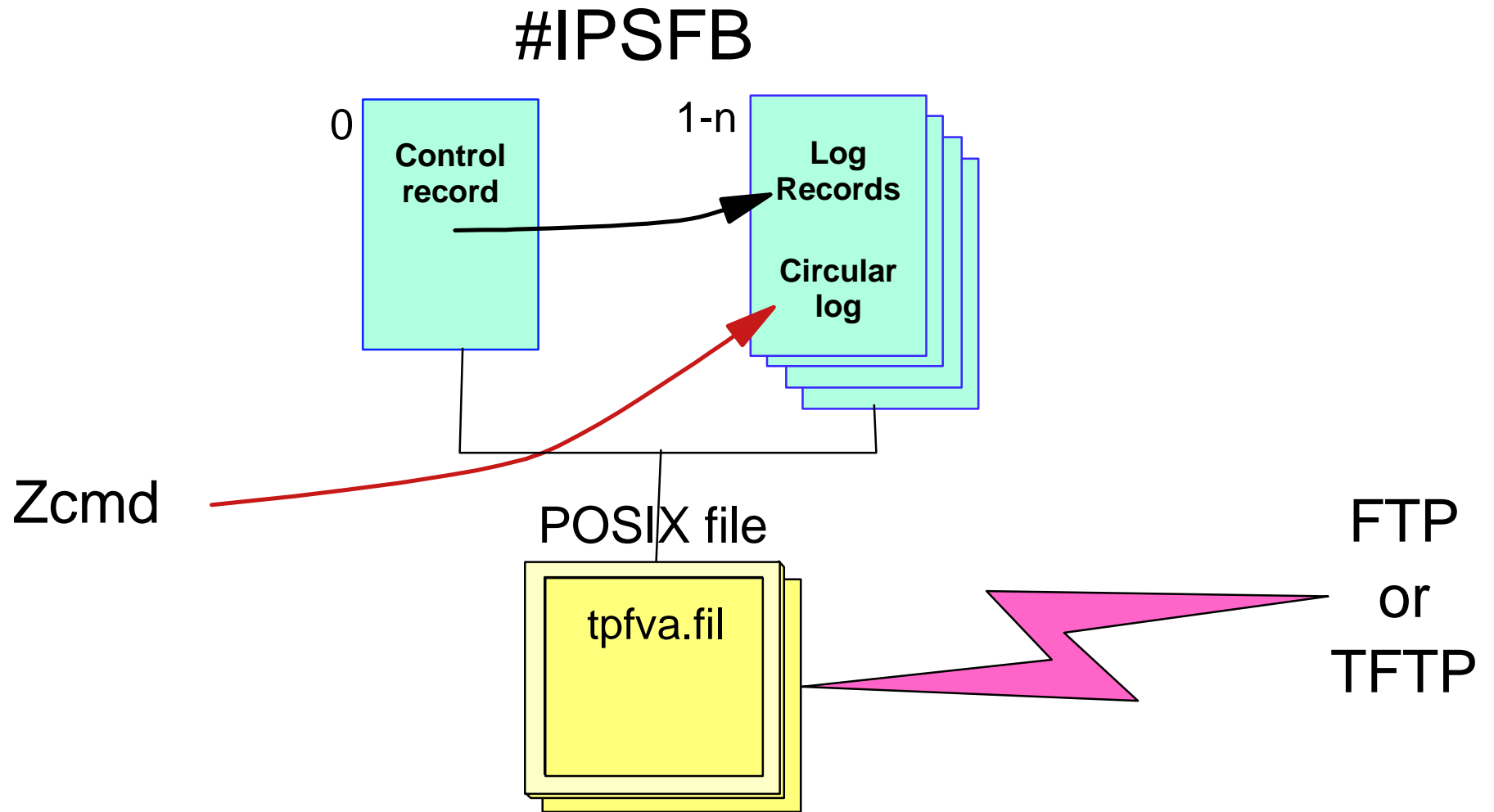
# Agenda

- Review of support
- z/TPF Enhancements

## What is it used for?

- Keeping the off-line information in sync with online changes.
  - ▶ Loading of new versions of programs
  - ▶ Changing program characteristics
  - ▶ Patching programs
  - ▶ ...
- Keeping track of commands entered

# How does it work?



## Positive Feedback Enhancements

- New commands: ZDPFS and ZAPFS
- Changed commands: ZFMSG

## ZAPFS - alter positive feedback information

```
>>-ZAPFS---+-STArT-----+-----><
+-STOp-----+
+-ArChive-----+
|               .-15-----. |
'-Change -Archive=--+-minutes-+-'
```

- START - clears the #IPFSB fixed file record and starts positive feedback recording.
- STOP - stops positive feedback recording and writes the fixed file log entries to the archive file.
- ARCHIVE - writes the fixed file log entries to the archive file and clears the fixed file record. Works only in NORM
- CHANGE ARCHIVE=time
  - ▶ Changes archiving period to time minutes (1-98)
  - ▶ Setting archiving period to 99 disables time-based archiving

## ZDFPS - display positive feedback information

```

>>-ZDPFS-----+--Status-----+-----><
|           .-10.10-----|
+-Log--  --+-----+-----+
|           '-logentry.logcount-'
|           .-10.10-----|
'-Archive-- --+-----+-----+'
                '-archiventry.archivecount-'

```

- Status - displays status and information for positive feedback logging.
- Log - displays log entries from the positive feedback fixed file record
  - ▶ logentry - is the starting entry.
  - ▶ logcount - is the number of entries to display.
- Archive - displays log entries that are archived in the Portable Operating System Interface for Computer Environments (POSIX) file
  - ▶ archiventry - is the starting entry.
  - ▶ archivecount - is the number of entries to display.

## ZDFPS - status display example

### ZDPFS STATUS

```
DPFS0001I 15.03.23 POSITIVE FEEDBACK DISPLAY
#IPSFb FIXED FILE STATUS - LOGGING IS ACTIVE
  RECORDS ALLOCATED           16
  ENTRIES ALLOCATED          464
  ENTRIES IN USE              5
tpfva.fil ARCHIVE STATUS - ARCHIVE EVERY 15 MINUTES
  ENTRIES IN USE              12
ACTIVE OPERATOR COMMANDS
  ZOLDR ZTPLD ZRTDM
END OF DISPLAY
```



## ZDFPS - display log entries example

ZDPFS LOG 0.5

DPFS0013I 14.55.55 DISPLAY 5 ENTRIES OF THE LOG STARTING WITH 0

DATE	TIME	ACT	LOADSET	PGM	VER	ASM	I	P	T	COMMAND
09132004	194951	CMD		DRD0				B		ZRTDM MOD RECID-A...
09132004	195017	CMD		DRD0				B		ZRTDM MOD OVER VF...
09132004	195101	CMD		CILA				B		ZTPLD CUR51B VRDR
09132004	195135	ACT	UME1FIX	UME1	AJ		2	B	B	
09132004	195135	ACT	UME1FIX	UME1	AJ		2	C	B	

## ZFMSG external changes

- Added options for positive feedback
- PFA - positive feedback is active for this command
- PFS - special positive feedback logging is done for this command (use by ZOLDR, ZAPAT, and ZAPGM)
- New user exit for message authorization

## ZFMSG example

ZFMSG C ZACOR PFA UEXT

CSMP0097I 14.18.18 CPU-B SS-BSS SSU-HPN IS-01

FMSG0004I 14.18.18 ZACOR CHANGED

ZACOR ACTIVATES CVV3 VIA ENTDC

FUNCTIONAL MESSAGE INDICATORS SET

RBS - ROUTE TO BASIC SUBSYSTEM

DRM - ALLOWED IN DORMANT SS USER

FUNCTIONAL SUPPORT CONSOLES SET

RO - RO CRAS

AUDT - AUDIT TRAIL CONSOLE

ADDITIONAL INDICATORS SET

PFA - POSITIVE FEEDBACK IS ACTIVE

UEXT- USER EXIT IS ACTIVE

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