

# z/OS PARMLIB Successful Practices - User Experience

Session 10648

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# Agenda

- WAC PARMLIB Philosophy
- WAC PARMLIB Member Update Method
- Summary
- Finally...

# WAC PARMLIB Philosophy

- WAC is "World According to Conley"
- Hopefully WAC is not too wack
- WAC PARMLIB philosophy makes ease of installation and backout paramount, all other considerations are secondary
- Keep operator interaction to absolute minimum
  - Minimize HMC and console input for install and backout
  - Do not allow prompt for PARMS at IPL
  - Initialization Message Suppression Indicator (IMSI) character
  - z/OS System Commands documents 7<sup>th</sup> position of load parm
  - IMSI 'M' overrides PROMPT for master cat and sysparms
  - Load parm xxxx00**M**1

# WAC PARMLIB Philosophy

- PARMLIB is not shared, and resides on primary res volume
- PARMLIB concatenation
  - SYS1.IBM.PARMLIB (members change only with maintenance)
  - SYS1.PARMLIB (customized PARMLIB on res volume)
- SYSy.IPLPARM(LOADxx) for new res

```
IODF      00  SYS1
SYSCAT    ZTMCAT133CATALOG.MASTER.TEST
NUCLST    00
NUCLEUS   1
IEASYM    00
PARMLIB   SYS1.IBM.PARMLIB          *****
PARMLIB   SYS1.PARMLIB              *****
```

# WAC PARMLIB Philosophy

- Active members are suffixed with "00"
- Backup members suffixed with "99"
- Installed with IPL, and backed out with IPL
- For install and backout, operator changes load address only  
Minimizes input  
No need for R 00,CLPA,SYSP=99,PROG=99,SVC=99, etc.  
No need for LOADxx member pointing to backup PARMLIB  
No need to modify LOAD parm for backup LOADxx member  
No need to copy or flip backup members in PARMLIB  
No need to use symbols, &SYSCCLONE, etc.

## WAC PARMLIB Member Update Method

- Standard PARMLIB update method has drawbacks
- Primary drawback is loss of update history
- WAC PARMLIB update method preserves update history
- What did they do, and when did they do it?
- Enables the guilty to be apprehended and punished

# WAC PARMLIB Member Update Method

- IBMUSER will modify EDGRMM00 and IKJT000

```

Menu  Functions  Confirm  Utilities  Help
-----
EDIT          USER.PARMLIB                      Row 00001 of 00004
Command ==>                                     Scroll ==> CSR

      Name      Prompt      Size  Created      Changed      ID
-----
_____ EDGRMM00          23   2011/06/22   2011/06/22 19:46:21  TCONLEY
_____ EDGRMM99          23   2011/06/20   2011/06/20 15:31:00  IBMUSER
_____ IKJT000         127   2011/06/22   2011/06/22 19:50:41  TCONLEY
_____ IKJT099         127   2011/06/20   2011/06/20 15:30:00  TCONLEY

```

- A common practice is to edit EDGRMM00 and to populate backup member EDGRMM99 with REPLACE C99999

# WAC PARMLIB Member Update Method

- After completing edit on EDGRMM00, stats for EDGRMM99 look like this:

```

Menu  Functions  Confirm  Utilities  Help
-----
EDIT          USER.PARMLIB                      Row 00001 of 00004
Command ===>                                Scroll ===> CSR

      Name      Prompt      Size   Created      Changed      ID
-----
_____ EDGRMM00          23   2011/06/22   2011/08/01 16:18:32  IBMUSER
_____ EDGRMM99          23   2011/08/01   2011/08/01 16:16:49  IBMUSER
_____ IKJTSO00        127   2011/06/22   2011/06/22 19:50:41  TCONLEY
_____ IKJTSO99        127   2011/06/20   2011/06/20 15:30:00  TCONLEY

```

- Note how stats for EDGRMM99 (old EDGRMM00) are lost
- Created was set to current date, Changed was set to current date/time, and ID is IBMUSER instead of TCONLEY



# WAC PARMLIB Member Update Method

- Let's edit IKJTSO00, but in a way that preserves history
- Edit new member IKJTSO08 and COPY IKJTSO00
- Make your changes to IKJTSO08 and save

```

Menu  Functions  Confirm  Utilities  Help
-----
EDIT          USER.PARMLIB                      Row 00001 of 00004
Command ===>                                Scroll ===> CSR

      Name      Prompt      Size  Created      Changed      ID
-----
_____ EDGRMM00          23  2011/06/22  2011/08/01 16:18:32  TCONLEY
_____ EDGRMM99          23  2011/08/01  2011/08/01 16:16:49  IBMUSER
_____ IKJTSO00         127  2011/06/22  2011/06/22 19:50:41  TCONLEY
_____ IKJTSO08         128  2011/08/01  2011/08/01 16:28:20  IBMUSER
_____ IKJTSO99         127  2011/06/20  2011/06/20 15:30:00  TCONLEY

```

# WAC PARMLIB Member Update Method

- Delete IKJTSO99, rename IKJTSO00 to IKJTSO99, and rename IKJTSO08 to IKJTSO00

```

Menu  Functions  Confirm  Utilities  Help
-----
EDIT          USER.PARMLIB                      Row 00001 of 00004
Command ===>                                Scroll ===> CSR

      Name      Prompt      Size   Created      Changed      ID
-----
_____ EDGRMM00          23   2011/06/22   2011/08/01 16:18:32  IBMUSER
_____ EDGRMM99          23   2011/08/01   2011/08/01 16:16:49  IBMUSER
_____ IKJTSO00         128   2011/08/01   2011/08/01 16:28:20  IBMUSER
_____ IKJTSO99         127   2011/06/22   2011/06/22 19:50:41  TCONLEY

```

- Note that IKJTSO99 retains original created date 2011/06/22, original changed date 2011/06/22 and time 19:50:41, and original id TCONLEY from IKJTSO00

# Summary

- Discussed speaker's PARMLIB philosophy
- Reviewed multiple different PARMLIB philosophies
- Discussed speaker's PARMLIB member update method
- Reviewed how to preserve PARMLIB update history

## Finally...

- Please fill out an evaluation, your comments help me to deliver a better presentation
- Online evaluations are available at <http://atlanta.share.org/sessionevaluation>
- Let me know what you think and how you manage PARMLIB
- Please Email me with comments and/or questions at [pincons@rochester.rr.com](mailto:pincons@rochester.rr.com)