Kicking The Exit Coding Habit

IBM zSeries® Conference

Session Z47

September 2005

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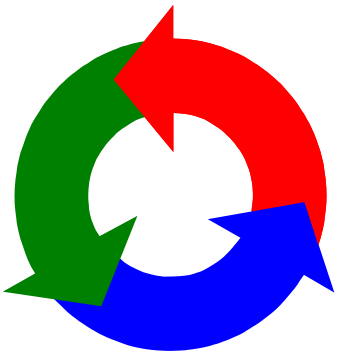
Why Have User Exits ?

- Enforce standards
- Maximize batch throughput
  - e.g. Mellon Bank mods
- A maintenance headache
  - Code can be decades old
  - How's the documentation ?
  - Do you have the resources to maintain it ?

The Exit Development Catch-22

Max Service Levels

Max Utilization



Exits

Controls

User Exit Management & Elimination

- Dynamically manage existing exits
- Replace functionality with off-the-shelf tools
  - No code
  - No code
  - No code

Software Upgrade Management

- Exit code can greatly hinder z/OS upgrades
  - Limited systems programmer availability and/or expertise
  - Bugs can kill the system
  - Major JES2 changes in z/OS 1.7
- Dynamic STEPLIB
  - Controlled rollout of products

JCL Standards Enforcement

- Punitive vs Proactive
- Securing JCL functions
  - RACF resources
- Flexible & easily modified
  - Meet the demands of “Merger Mania”

Batch Throughput Optimization

- Run jobs where the resources are
  - Dynamic - not hard-coded SYSAFF, etc
  - Flexible – override rather than force JCL changes
  - Allow for resource outages
- Leave an audit trail

Containing Software Licensing Costs

- Restricting licenses to specific LPARs
- Routing batch jobs to the correct systems

DFSMShsm Tuning

- Mismanagement is a major resource waster
  - Pointless / premature migrations
  - Unnecessary recalls
  - Delayed job selection
- Reporting reveals mismanagement & HSM processing errors

Containing System Resource Usage

- Stop the system hogs
  - End-user job limits
  - Program execution limits
- Don’t start a job until everything is available
  - HSM Early Recall
  - DSN Conflict Resolution
- Prevent unnecessary job cancellations
  - Operator WTOR for job cancel requests
  - CPU, Wait & SYSOUT Extensions
- Tape usage limits
- Restricting device usage

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