IBM Education Assistance for z/OS V2R1

Item: Auto-Reply RateLimit
Element/Component: BCP/Consoles

Agenda

- Trademarks

- Presentation Objectives

- Overview

- Usage & Invocation

- Migration & Coexistence Considerations

- Installation

- Presentation Summary

- Appendix

Trademarks

- See url http://www.ibm.com/legal/copytrade.shtml for a list of trademarks.

Presentation Objectives

Auto-Reply (AUTOR) RateLimit:

- New option has been provided to the AUTORxx parmlib member

© 2013 IBM Corporation

IBM

AUTOR RateLimit Overview (1 of 2)

Problem Statement / Need Addressed

Customers needed the ability to configure their AUTORxx parmlib member(s) to allow more than 20 WTOR messages with the same message ids to be replied to per second.

Original AUTOR Processing was mindful of hitting runaway scenarios

- A runaway WTOR can occur when an incorrect reply is provided to the AUTORxx parmlib entry when keyword DELAY is set to 0

- For each invalid response the message is reissued

- When AUTOR processing detects the same WTOR 20 times within a second, then it will not auto reply to the next one

- More than 20 WTORs of the same message id could be a valid scenario

AUTOR RateLimit Overview (2 of 2)

Solution

- AUTOR processing has been enhanced to allow a new option [RATELIMIT(nnn)] on the AUTORxx msgid parmlib statement.

- This is only available when also specifying the keyword DELAY(0S) or DELAY(0M)

Benefit / Value

- Customers can configure their AUTORxx members to specify a particular rate limit per message

- Customers will have the ability to fine tune their AUTOR processing to maximize its effectiveness

IBM

Usage & Invocation

Auto-Reply activation and commands are unchanged

- Example of RateLimit usage:

```
  notifymsgs(hc)
/*****************************************************************/
/* ABD123D POUGHKEEPSIE SITE IS FUN?                           */
/*                    REPLY 'Y'-YES OR 'N'-NO                  */
Msgid(ABD123D) Delay(0S) Reply(Y) RateLimit(030)
/*****************************************************************/
/* ABD456D "READY FOR WORK. REPLY 'B' TO BEGIN, 'C' TO CANCEL  */

Msgid(ABD456D) Delay(60S) Reply(C)
```

Migration & Coexistence Considerations

- Coexistence APAR OA39287 has been created to ignore the RATELIMIT keyword on z/OS V1R13 and z/OS V1R12

    - V2R1 AUTORxx parmlib members can be used on z/OS V1R12 and z/OS V1R13 systems

Installation

- Update your AUTORxx parmlib member to use the RATELIMIT(nnn) option on any WTOR message id that will require a rate limit value other than the default rate of 20 messages per second per message id

Presentation Summary

AUTOR RateLimit [RATELIMIT(nnn)]

- If your processing has WTOR message ids that will require a rate limit value other than the default rate of 20 messages per second per message ID, than use the new RATELIMIT(nnn) option with DELAY(0S)

Appendix

- *z/OS V2R1 MVS Initialization and Tuning Reference* (SA23-1380)
  - AUTORxx

- *z/OS V2R1 MVS System Commands* (SA38-0666)
  - SET AUTOR=xx, SETAUTOR, DISPLAY AUTOR

- z/OS V2R1 MVS System Messages Volume 4 (SA38-0671)
  - CNZ Messages

Appendix – AUTORxx Example using RATELIMIT(nnn)

```
notifymsgs(hc)
/****************************************************************/
/* ABD123D POUGHKEEPSIE SITE IS FUN?                          */
/*                  REPLY 'Y'-YES OR 'N'-NO                    */
Msgid(ABD123D) Delay(0S) Reply(Y) RateLimit(030)
/****************************************************************/
/* ABD456D "READY FOR WORK. REPLY 'B' TO BEGIN, 'C' TO CANCEL */

Msgid(ABD456D) Delay(60S) Reply(C)
```