A comprehensive, easily manageable tool for maximizing system resources

Information Management software

IBM IMS Queue Control Facility for z/OS

Highlights

- ***Highly efficient system allows functions to run on multiple central electronics complexes with other facility servers for greater flexibility and control***
- ***Improved manageability automates detection systems and allows organizations to easily query and browse queue messages***
- ***Innovative capabilities that enable message selection based on a data string for faster, more efficient problem resolution***
- ***Enhanced ISPF user interface for an easier, more intuitive user experience***

Easily controlled and managed IMS message queue

IBM IMS™ Queue Control Facility for z/OS® provides system administrators with an even more flexible, efficient queue management tool to manipulate local, live IMS message queues in both shared and non-shared queue environments. The control facility is designed to help manage all aspects of the IMS queue; it demonstrates the continuing evolution of this comprehensive tool by building on the success of previous versions.

An efficient, flexible tool

Organizations need innovative solutions to help manage their ever-increasing amount of business data. The re-architecture of the IMS Queue Control Facility allows different functions to run on multiple central electronics complexes within a sysplex with other IMS Queue Control Facility servers, making the system more streamlined to help organizations function more efficiently and with greater flexibility.

IMS Queue Control Facility also offers a new Queue Space Utilization Notification mechanism so organizations can define up to 10 areas of the total queue space to monitor for small or large messages. This feature gives business more control over their systems, helping to prevent queue utilization from reaching critical thresholds.

Automated functions for improved productivity

To reduce the amount of time spent managing an IMS message queue, IMS Queue Control Facility has automated several of the functions that were previously performed manually. The tool automatically:

- *Detects an IMS cold start and initiates the requeue of the messages that were in the queue before the cold start.*
- *Detects an IMS warm start and initiates the requeue of the messages or offloads the messages that were in the dead letter queue before warm start.*
- *Offloads the messages that were on the queue during message overflow.*
- *Selects an IMS system checkpoint ID – in most cases without any intervention – and automates the selection and the dynamic allocation of IMS log data sets.*

Enhanced user interface and console commands

IMS Queue Control Facility offers an ISPF front-end that displays the status of the IMS system and of the queue, as well as the specific queue entries. Data management is more streamlined since organizations can unload or delete specific queue entries, and multiple ISPF users can have concurrent IMS sessions. The commands also allow organizations to initiate the requeue or offload of the messages that were in the queue.

The SAF/RACF security interface

IMS Queue Control Facility includes an SAF/RACF® security interface that's accepted as an industry standard for security authorization. IMS Queue Control Facility offers three levels of authorization: ACCESS (NONE), ACCESS (READ) and ACCESS (UPDATE). Users at the ACCESS level may freely invoke all IMS Queue Control Facility functions and view the entire content of IMS messages in the queue.

IMS Queue Control Facility also provides support for the INCLUDE and EXCLUDE statement of the LOAD function. INCLUDE and EXCLUDE statements specify selection criteria specific to message sources and destinations and are unrestricted in number. LOAD places messages into one or more message queues (specified by the user) from a data set created by the BROWSE, UNLOAD, RECOVER or SORTB functions. IMS Queue Control Facility includes the following functions:

- *RECOVERAB/RECOVER DM – Recover messages after a cold start (nonshared queue environment)*
- *RECOVER – Recover messages on the cold queue after a cold start (shared queue environment)*

- *REPROCESS—Reprocess messages after an application error*
- *BROWSE—Browse the queues*
- *QUERY—Determine the age and number of messages on the queues*
- *LOAD—Load messages to the shared queues*
- *UNLOAD—Remove messages from the queues*

A full-function tool

Organizations can use IMS Queue Control Facility for a wide variety of functions, including regression testing, stress testing and application program testing (when test data is needed to simulate production loads or application program input). In addition, businesses can take advantage of IMS Queue Control Facility to port messages to a new IMS release (migration) or an older IMS version (fallback) as well as port messages to other IMS systems for testing, offloading or recovery reasons. What's more, IMS Queue Control Facility allows the output from one interaction to be input to another interaction without starting a new job.

IMS Queue Control Facility specifications at a glance

Operational requirements

IMS Queue Control Facility operates with any of the currently available and supported IMS versions.

Hardware requirements

IMS Queue Control Facility operates on any hardware configuration that supports the required versions of IMS. When ordering IMS Queue Control Facility, please specify program number 5697-N50.

For more information

For sales information or to inquire about purchasing IMS Queue Control Facility for z/OS, please contact your IBM marketing representative or an IBM Business Partner, or call 1-800 IBM CALL within the US.

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Produced in the United States of America
10-07

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IMD11874-USEN-01