

## IBM IMS Queue Control Facility for z/OS, Version 2.1

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### Highlights

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- ***Improves productivity by automating several of the manual functions previously performed by users***
- ***Performs message queue recovery after planned or unplanned system outages***
- ***Maintains the IMS queue, allowing you to easily query and browse queue messages, and load and unload messages to and from the queue***
- ***Monitors queue usage and takes action to prevent queue utilization from reaching critical thresholds***

#### **Easily managing the IMS message queue**

The IBM IMS™ Queue Control Facility for z/OS® (IMS QCF) provides system administrators with a state-of-the-art queue management tool to easily manipulate local, live IMS message queues in both shared and non-shared queue environments. Designed to help you manage all aspects of your IMS queue, Version 2.1 demonstrates the continuing evolution of this comprehensive tool.

IMS QCF has been updated to use information maintained by IMS Database Recovery Control (DBRC). By adding a DBRC interface, IMS QCF automates several of the manual functions performed by users.

#### **Automatic checkpoint location**

For example, the specification of an IMS system checkpoint ID is now made available to the user through a standard LIST.RECON command output. As a result, IMS QCF completely automates the selection of an

IMS system checkpoint ID—in most cases without any user intervention. It also automates the selection and the dynamic allocation of IMS log data sets, eliminating the need for user action.

In addition, this release has been enhanced to support a SYSPLEX environment. Installation is also more flexible, and the requirement of changing the interactive system productivity facility (ISPF) procedures has been removed.

#### **The SAF/RACF security interface**

IMS QCF now includes an SAF/RACF security interface. Accepted as a standard for security authorization, the implementation of the SAF/RACF security interface brings IMS QCF in line with other IBM offerings. IMS QCF now 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 QCF 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 QCF includes the following functions:

- **RECOVERAB/RECOVERDM** — *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**

You can use IMS QCF 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, you can take advantage of IMS QCF to port

messages to a new IMS release (migration) or an older IMS version (fallback). And you can port messages to other IMS systems for testing, offloading or recovery reasons. What's more, IMS QCF allows the output from one interaction to be input to another interaction without starting a new job.

#### **Intuitive user interface**

IMS QCF also offers an ISPF front-end that allows you to view the status of the IMS system and of the queue, as well as see specific queue entries or a list of entries. You can also unload and delete specific queue entries. And multiple ISPF users can have concurrent IMS sessions.

#### **Software requirements**

IMS QCF supports any software environment capable of operating IBM IMS Version 7.1 and higher, including:

- *IMS, Version 7.1 (5655-B01)*
- *IMS, Version 8.1 (5655-C56)*
- *IMS, Version 9.1 (5655-J38)*

#### **Hardware requirements**

Version 2.1 operates on any hardware configuration that supports the required versions of IMS.

#### **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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Silicon Valley Laboratory  
555 Bailey Avenue  
San Jose, CA 95141

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