



# IBM CICS Configuration Manager for z/OS V2.1 supports CICS Transaction Server for z/OS V4.1 and the CICS Explorer

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## At a glance

CICS® Configuration Manager (CICS CM) V2.1 delivers important new function to help control CICS configurations and comply with internal standards. New function in V2.1 includes:

- Support for new and updated resources in CICS Transaction Server (CICS TS) V4.1, including ATOMSERVICE, BUNDLE, and IPv6 addresses
- Support for the CICS Explorer, including powerful search capabilities, plus smart resource editors
- Deployment Analysis batch reports
- Support for full-function BAS objects
- Significant functions delivered by PTF since CICS CM V1.2

The new version also introduces a wide range of other technical and operational capabilities, including requirements raised by individual customers and user communities.

For ordering, contact your IBM® representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: LE001).

## Overview

CICS Configuration Manager for z/OS® is a tool for administering and maintaining CICS resource definitions, and also provides comprehensive reporting and optional change management control facilities. It can be used by all who build, manage, and deploy complex mainframe CICS applications.

CICS Configuration Manager for z/OS (CICS CM) V2.1 brings new levels of control and insight to CICS system management. It supports all new and updated resources in CICS Transaction Server for z/OS (CICS TS) V4.1, enabling its users to benefit immediately from the important enhancements in the latest version of CICS TS. For further details of this offering, refer to Software Announcement [209-135](#), dated April 28, 2009.

CICS CM V2.1 delivers many new capabilities to enable customers to comply with internal IT policies, and to help control costs and IT processes.

- Support for the CICS Explorer enables users with broader and less-specialized skills to access the power of CICS CM and deliver additional value when used in conjunction with other CICS tools
- New deployment analysis reports compare run-time and candidate resource definitions to ensure that CICS will cold-start correctly, to validate the correctness of new clone regions, and to identify referential integrity exposures. Candidate resource definitions may be held in CSDs or the CICSplex® SM data repository.
- Support for CICSplex SM is enhanced to include full-function Business Application Services (BAS) capabilities - Resource assignments, Resource assignments in resource descriptions, and System links.

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## Key prerequisites

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- z/OS V1.8, or later
- CICS Transaction Server for z/OS V3.1 or V3.2 (5655-M15), or V4.1 (5655-S97)

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## Planned availability date

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**July 17, 2009**

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## Description

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CICS CM V2.1 helps businesses to meet the challenges of the current economic circumstances, increased regulation, and changing skill levels. At the same time, it allows them to position themselves to understand and take advantage of opportunities for growth in challenging economic times.

This new version delivers support for two distinct themes that relate directly to many CICS customers' business priorities and initiatives. Firstly, by enabling an IT staff with a broader mix of skill levels to perform many CICS configuration management tasks, it can help to control the costs involved in building and deploying CICS applications and lead to increased return on investment. Secondly, by demonstrating effective management control over CICS resource changes, it supports customer initiatives to comply with corporate or regulatory requirements.

### Key enhancements

**Support for CICS TS V4.1:**CICS CM V2.1 includes support for the following new features introduced in CICS TS V4.1:

- IPv6 addresses in resource definition attributes
- Definition signature for resource definitions (attributes that contain details about when, how, and by whom a resource definition was defined or changed)
- The following new types of resource definition are supported:
  - Application bundle (BUNDLE)
  - Atom service (ATOMSERVICE)
  - WebSphere® MQ Connection (MQCONN)
  - Java<sup>™</sup> Virtual Machine server (JVMSERVER)

Additionally, the CICS CM server runs on CICS TS V4.1. Customers with CICS CM V1.2 should apply PTF APAR PK86097 to enable toleration support for CICS TS V4.1.

**Deployment analysis reporting:**CICS CM V2.1 introduces deployment analysis reporting. Deployment analysis reports compare runtime and candidate resource definitions, whether these are held in CICS system definition data sets (CSDs) or the CICSplex SM data repository. All combinations of comparisons are supported - runtime to runtime, runtime to CSD, CSD to BAS, CSD to CSD, and more. These reports help to ensure that CICS regions will cold-start correctly even after many dynamic changes may have been made over a period of months. They can also be

used to validate the correctness of new clone regions, and to identify referential integrity or duplicate definition exposures. The reports are requested via the batch program CCVBMMAIN. The CICS CM Server collects, analyses, and filters report results, which are returned to the batch client for output reporting.

**Support for the CICS Explorer:** The CICS Explorer - the new face of CICS - is the new Eclipse-based tool framework for CICS, providing an intuitive, easy-to-use way of developing, operating, and managing CICS systems. CICS CM customers can now access many product capabilities using the CICS Explorer, including the ability to search all CICS resource definitions whether stored in CSDs or the CICSplex repository (BAS). Rich editors are provided allowing new definitions to be created or existing ones updated, while hiding much of the complexity previously experienced by users. The CICS CM capabilities are seamlessly integrated with the base CICS Explorer views to provide powerful editing and auditing capabilities transparent to the user.

CICS CM customers can use the CICS CM Explorer to do the following:

- View all the CICS CM configurations.
- View all lists in a configuration and groups in a list.
- View all groups in a configuration.
- Assist in the clean-up of CICS resource definitions, by viewing groups and duplicated resources in a CPSM and CSD configurations.
- View history for a resource definition and restore changes made to a resource definition. The Change History view provides the following capabilities:
  - History View now shows resource name, type, group as well as revision time, command, and user ID.
  - Group by date toolbar icon groups entries into date categories - Today, This Week, Older Than This Week, Older Than This Month, Older Than This Year.
  - Views can be sorted in ascending or descending sequence by clicking on column headings.
  - History entries changed within a given date range can be selected for display.
  - Multiple filters can be applied to the view based on name, type, group, command, user ID.
  - The history for a configuration can be displayed. The default date range displays the last 3 months entries for a configuration, but the user can expand this range. For a single definition the default is to retrieve all entries.
- View, edit, and delete resource definitions
- Install resources into a running CICS region (region must be managed by a CICSplex SM)
- Search across one or more configurations and search across one or more groups in a configuration. The following enhanced search is available when viewing the specific CICS resource types:
  - Program definitions - find transactions within the same configuration referencing the program
  - LSR pool (local shared resources pool) definitions - find files within the same configuration referencing the LSR Pool

Integration with the CICS Interdependency Analyzer (CICS IA) plug-in to the CICS Explorer enables the related resources to be displayed simply by right-clicking a selected resource, for example, to display all BMS Maps, Files, Queues and more, used by a program. Understanding the CICS resources that are actually used by an application can greatly simplify and speed up the CSD clean-up process.

The CICS CM plug-in enables the creation and editing of all CICS resource definitions and provides highly flexible search and analysis. For CICS CM information, visit

<http://www.ibm.com/software/htp/cics/cm/>

For the CICS Explorer forum, visit

<http://www.ibm.com/developerworks/forums/forum.jspa?forumID=1475>

CICS CM V2.1 extends the capability provided by the CICS CM plug-in delivered in the Category 2 SupportPac<sup>tm</sup> CS1N. Unlike the SupportPac, the plug-in delivered with CICS CM V2.1 will be fully supported by IBM service.

For more details on the CICS Explorer, refer to the announcement for CICS TS V4.1 Software Announcement [209-135](#), dated April 28, 2009.

**Full-Function BAS support:** Support for full-function BAS is provided via ISPF dialog option 2.F (CICS Resources, Full-function BAS menus). The support includes the ability to list, define, edit, copy, and show histories for the FF-BAS resource types Resource assignment (RASGNDEF), Resource assignments in resource description (RASINDSC), and System link (SYSLINK). In addition, the resource deployment views RDSCPROC, RASPROC, and SYSRES are supported.

**Change Package command-stack processing:** Change packages now provide the ability to package processing commands ADD/REMOVE (for CPSM xxxINGRP association manipulation) and DELETE (for CPSM and CSD objects). The 'command-stack' is manipulated via ISPF dialog option 3.1 (Change Packages, Package) and 3.3 (Change Packages, Commands).

**Migration of commands:** Previously, it was only possible to use change packages to migrate resource definitions between CICS configurations. Now change packages can also be used to migrate the following commands:

- Delete - Deletes a resource definition from a target CICS configuration.
- Add - Adds a resource definition to a resource group (RESGROUP) in a target context-based CICS configuration.
- Remove - Removes a resource definition from a resource group in a target context-based CICS configuration.

**Change package external reference expanded to 32 characters:** For improved compatibility with third-party change management systems, the external reference for a change package is now 32 characters.

**ISPF dialog interface: XML trace to data set:** As an alternative to displaying an on-screen XML trace of the SOAP API requests and responses that the CICS CM ISPF dialog client exchanges with the CICS Configuration Manager server, the Settings action bar choice now allows you to save the XML trace to a data set.

## **New and updated function delivered by PTF since CICS CM V1.2**

### **New features introduced by APAR PK61957**

- Minor ISPF Dialog enhancements
- Minor server enhancements

### **New features introduced by APAR PK48565**

- New functions for batch audit reports that shows changes to resource definitions
- New options supporting CSD clean-up including orphan groups, ResGroups, and CICSplex SM resource definitions
- New Show action bar choice to display only duplicate, unique, "different", or "missing" resource definitions
- View detailed change package history
- The samples for the standards-enforcement exit (CCVXPRAx samples for RANAxxxx exit points) are enhanced
- The History processing option now provides additional details
- A generic ENQMODEL that is added to the CICS CM resource group to avoid conflicts with other ENQMODELS that may have been installed in the server
- CICS CM's internal trace facility that has been extended to record data for SAF calls

- The restriction criteria handler for journal records that now allows for an incomplete date/time string
- A greater-than or less-than condition that may be used a shortened date
- Journal search facilities that are extended to allow full masking of the name and group fields specified as JNLCRITERIA
- Backout that may now be applied to the Import of resources for a change package
- Journal search using filters returns all objects where the case-sensitivity of the object name is
- Sample XML schemas that are updated

### **New features introduced by APAR PK32577**

- Security controls for CICS resource editing based on the CICS resource key
- Processing an intermix of RLS and non-RLS managed CSD files
- Listing of change package contents either for all related resources or via a Scheme
- Packaging and migration of a CSD List within a change package
- Reporting of Groups unrelated to a CSD List or CPSM ResDesc
- Reporting of the CSD Lists or CPSM ResDescs related to a specific Group
- Samples to aid the use of CICS CM server exit points

### **Customer and user group requirements**

**MR1106075952:** Approval Profile should be required if system marked as such.

**MR1211075957:** CICS CM - Cold Start Analysis for BAS (full-function) and CSD resources is included.

**MR1027066055:** Provide a comparison of Global Catalog Entries to CSD Entries.

**MR0618076920:** Provide a GUI as an alternative to ISPF.

**MR0525062829:** CICS CM delivers full-function BAS support.

**MR041208374:** Provide a method to request the deletion of a resource definition via a Change Package.

### **Accessibility by people with disabilities**

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A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

[http://www.ibm.com/able/product\\_accessibility/index.html](http://www.ibm.com/able/product_accessibility/index.html)

### **Section 508 of the U.S. Rehabilitation Act**

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CICS CM is capable as of July 17, 2009, when used in accordance with associated IBM documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

### **Value Unit-based pricing**

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Value Unit pricing for eligible IBM System z® IBM International Program License Agreement (IPLA) programs enables a lower cost of incremental growth and enterprise aggregation. Each System z IPLA product with Value Unit pricing has a single price per Value Unit and a conversion matrix, called Value Unit Exhibit, for converting from some designated measurement to Value Units. Most commonly, Millions of Service Units (MSUs) is the measurement designated by IBM to be converted to Value Units. Some other measurements are engines or messages.

Since MSUs are the most common measurement, that measurement will be used for the remainder of this description.

Value Unit pricing offers price benefits for you. For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the **required license capacity**. Each of the various Value Unit Exhibits stipulate that the larger your required license capacity, the fewer Value Units per MSU you will need. Value Unit Exhibits are uniquely identified by a three digit code and referred to using the nomenclature VUExxx, where xxx is the three digit code.

Subsequent acquisitions of Value Unit priced programs offer additional price benefits. The quantity of each System z IPLA program that you have acquired is referred to as **entitled license capacity**. If you wish to grow your entitled license capacity for a System z IPLA program, the calculation to determine additional needed Value Units is based upon the number of Value Units already acquired.

For each System z IPLA program with Value Unit pricing, you should:

- Determine the required license capacity, in MSUs
- Aggregate the MSUs across the enterprise
- Convert the total MSUs to Value Units, using the applicable Value Unit Exhibit
- Multiply the price per Value Unit by the total number of Value Units to determine the total cost

To simplify conversion from the designated measurement to Value Units or vice-versa, use the Value Unit Converter Tool. For additional information or to obtain a copy of the Value Unit Converter Tool, visit the Value Unit Converter Tool Web site

<http://ibm.com/zseries/swprice/vuctool>

Note that Value Units of a given product cannot be exchanged, interchanged, or aggregated with Value Units of another product.

To determine the required license capacity for the System z IPLA program you selected, refer to the [Terms and conditions](#) section.

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## Product positioning

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An increasingly competitive economic environment drives many businesses to transform their existing CICS applications using service oriented architecture (SOA) and Web 2.0 strategies. The same pressures also force IT managers, CICS system programmers, and application developers, to develop applications and operate systems at peak level while maintaining service level commitments and meeting regulatory and corporate governance requirements.

Such customers need tools to help them avoid outages and reduce downtime, while controlling costs and complying with standards. They need the ability to:

- Support application transformation and CICS-based SOA implementations.
- Enable easier CICS version-to-version upgrades, including migrations to CICS TS V4.1.
- Reduce complexity and cost of CICS system and application management.
- Improve CICS application and data availability.
- Comply with corporate standards and regulations.
- Include CICS simplification of CICS administration, and help improve availability and reduce errors. CICS CM helps improve the productivity of your IT staff, including managers, system programmers, and application developers, by:
  - Helping to optimize day-to-day CICS system management and administration
  - Simplifying resource-definition processes for new application development and deployment and integration with the change management products

- Improving change control and auditability

CICS CM, a member of the CICS Tools family and part of the System z Enterprise tools portfolio supporting the CICS environment. It can help by improving collaboration between the various roles involved in making and tracking changes and enabling tighter and more transparent control over CICS administration, both of which are critical for smooth operation of CICS. It can also help speed up the overall end-to-end development effort for new applications.

For more details of the CICS Tools family, visit

<http://www.ibm.com/cics/tools/>

This high functionality and flexibility, as well as commitment to support the latest release of CICS TS, make CICS CM an outstanding solution for CICS configuration management. CICS CM is competitively priced and can help greatly improve the productivity of the CICS administrators. This productivity improvement, and subsequent configuration management cost decrease, is achievable due to high functionality and scope of CICS CM.

CICS CM is available for trial download and use for 60 days. Visit:

<http://ibm.com/software/os/zseries/trials/cicstools>

### Integration with CICS Explorer

CICS Explorer provides an integration point for development, management, and operational capabilities delivered by the CICS runtime and add-on tools. Some examples of integration are shown below. Others will be developed and delivered by PTF and SupportPac. Customer suggestions for future integration are invited.

Support for the CICS Explorer, new in CICS CM V2.1, enables a broader set of users, including application developers and service-level managers, to benefit from the information and control provided by CICS CM, without requiring the specialist skills needed to use the existing ISPF interface.

When integrated with CICS Interdependency Analyzer for z/OS in the CICS Explorer, CICS CM can help you easily control your critical CICS applications, as well as extend your applications into the business on demand world.

Customers with both CICS IA and CICS CM can link in context from CICS CM views to CICS IA views. For example, an administrator can link from a CICS CM view showing resources in an orphaned group, to a CICS IA view that shows whether the related resource has been used recently, supporting configuration clean-up tasks.

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## Product identification number

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Program PID number	Subscription and Support PID number
5697-P09	5697-I79

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## Program number

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Program number	VRM	Program name
5697-P09	2.1.0	CICS Configuration Manager for z/OS
5697-I79	1.1.0	CICS Configuration Manager for z/OS - Software Subscription and Support

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## Offering Information

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Product information is available via the Offering Information Web site

<http://www.ibm.com/common/ssi>

### Business Partner information

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If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld® ID and password are required (use IBM ID).

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=209-214>

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## Publications

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The program directory, *CICS Configuration Manager for z/OS V2.1: Program Directory* (GI13-0535), is shipped in hardcopy with the product:

The following publications are available in softcopy only from the IBM Publications Center:

Title	Form Number
CICS Configuration Manager for z/OS V2.1: User's Guide	GC34-7048
CICS Configuration Manager for z/OS V2.1: Data Sheet	GI13-0550

The IBM Publications Center

<http://www.ibm.com/shop/publications/order>

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the U.S.) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries, free of charge.

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## Technical information

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### Specified operating environment

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#### Hardware requirements

CICS CM runs on any S/390® or IBM eServer™ zSeries® machine on which the applicable operating system and software will run.

#### Software requirements

CICS CM V2.1 requires System Modification Program/Extended (SMP/E) of the supported z/OS system (5655-G44) for installation and maintenance. It operates with the following CICS configurations:

- CICS TS for z/OS V4.1 (5655-S97)
- CICS TS for z/OS V3.1 and V3.2 (5655-M15)

**Note:** CICS TS for z/OS V4.1 requires APAR PK86097 to be applied.

z/OS V1.8 or later (contains SMP/E) (5694-A01) is also required.

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a README file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

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## Planning information

### **Packaging**

CICS Configuration Manager for z/OS V2.1 is shipped via Customized Offerings, on 3480 1/2-inch tape cartridge.

Also shipped are:

- CICS Tools Trial Flyer (GI13-0538)
- IBM Program License Agreement Booklet (IPLA) (Z125-3301)
- License Information (GC34-7050)
- Program Directory (GI13-0535)
- Memo to Licensees (GI13-0551)

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### **Security, auditability, and control**

CICS CM uses the security and auditability features of the operating system under which it is running. Clients can use any Security Authorization Facility (SAF)-compliant security product, such as RACF®.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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## Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services or to contact a Software Services sales specialist, visit

<http://www.ibm.com/software/sw-services/>

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## Ordering information

### **Charge metric**

Program name	Part number or PID number	Charge metric
CICS Configuration Manager for z/OS V2.1	5697-P09	Value Units

### **Value Unit**

Value Unit (VU) is the unit of measure by which this program is licensed. VU entitlements are based on the quantity of a specific designated measurement, either users or resources, for the given program. A Proof of Entitlement (PoE) must be obtained for the appropriate number of VUs required for your environment as defined by the specific program terms. The VU entitlements are specific to

the program and may not be exchanged, interchanged, or aggregated with VU entitlements of another program. To understand these benefits of VU licensing, and to determine how many VUs to obtain for the program, contact your IBM representative.

The programs in this announcement all have VU-based pricing.

Program number	Program name	VU exhibit
5697-P09	CICS Configuration Manager for z/OS V2.1	VUE007

For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the **required license capacity**. Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms
- Whether your current mainframes are full capacity or sub-capacity

### Value Unit exhibit VUE007

	MSUS minimum	MSUS maximum	Value Units/MSU
Base	1	3	1
Tier A	4	45	0.45
Tier B	46	175	0.36
Tier C	176	315	0.27
Tier D	316	+	0.2

Value Units for mainframes without MSU ratings:

Hardware	Value Units/machine
MP3000 H30	6
MP3000 H50	8
MP3000 H70	12
ESL models	2

### Ordering example

The total number of Value Units is calculated according to the following example.

If your required license capacity is 1,500 MSUs for your selected System z IPLA product, the applicable Value Units would be:

Translation from MSUS to Value Units

	MSUS	*	Value Units/MSU	=	Value Units
Base	3	*	1.00	=	3.00
Tier A	42	*	.45	=	18.90
Tier B	130	*	.36	=	46.80
Tier C	140	*	.27	=	37.80
Tier D	1,185	*	.20	=	237.00
Total	1,500				343.50

When calculating the total number of Value Units, the sum is to be rounded up to the next integer.

### Ordering z/OS through the Internet

ShopzSeries provides an easy way to plan and order your z/OS ServerPac or CBPDO. It will analyze your current installation, determine the correct product migration,

and present your new configuration based on z/OS. Additional products can also be added to your order (including determination of whether all product requisites are satisfied). ShopzSeries is available in the U.S. and several countries in Europe. In countries where ShopzSeries is not available yet, contact your IBM representative (or IBM Business Partner) to handle your order via the traditional IBM ordering process. For more details and availability, visit the ShopzSeries Web site at

<http://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp>

**Basic license**

**On/Off CoD**

CICS Configuration Manager for z/OS V2.1 is eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage.

Program name CICS Configuration Manager for z/OS v2.1  
 Program PID 5697-P09

Entitlement identifier	Description	License option/Pricing metric
S015H3H	CICS Configuration Manager for z/OS V2.1	Basic OTC, Per MSU-day TUC

Translation from MSUs to Value Units

	MSUS	Value Units/MSU
Base	1-3	1
Tier A	4-45	0.45
Tier B	46-175	0.36
Tier C	176-315	0.27
Tier D	316+	0.2

To order, specify the program product number and the appropriate license or charge option. Also, specify the desired distribution medium. To suppress shipment of media, select the license-only option in CFSW.

Program name: CICS Configuration Manager for z/OS v2.1  
 Program PID: 5697-P09

Entitlement identifier	Description	License option/Pricing metric
S015H3H	CICS Configuration Manager for z/OS V2.1	Basic OTC, Value Units
Orderable supply ID	Language	Distribution medium
S015H3J	English	3480 tape

Note: additional media type selections (3480 compressed, 3490E, 3590, 3592) are offered during Custom Build Offering ordering.

Subscription and Support PID: 5697-I79

Entitlement identifier	Description	License option/Pricing metric
S011CNX	CICS Configuration Manager for z/OS Subscription and Support	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S Registration
Orderable supply ID	Language	Distribution medium
S011CR1	English	Hardcopy pub

### Subscription and Support

To receive voice technical support via telephone and future releases and versions at no additional charge, Subscription and Support must be ordered. The capacity of Subscription and Support (Value Units) must be the same as the capacity ordered for the product licenses.

To order, specify the Subscription and Support program number (PID) referenced above and the appropriate license or charge option.

IBM is also providing Subscription and Support for these products via a separately purchased offering under the terms of the IBM International Agreement for Acquisition of Software Maintenance (IAASM). This offering:

- Includes and extends the support services provided in the base support to include technical support via telephone.
- Entitles you to future releases and versions, at no additional charge. Note that you are not entitled to new products.

When Subscription and Support is ordered, the charges will automatically renew annually unless cancelled by you.

The combined effect of the IPLA license and the Agreement for Acquisition of Software Maintenance gives you rights and support services comparable to those under the traditional ICA S/390 and System z license or its equivalent. To ensure that you continue to enjoy the level of support you are used to in the ICA business model, you must order **both** the license for the program **and** the support for the selected programs at the same Value Unit quantities.

### Single version charging

To elect single version charging, you must notify and identify to IBM the prior program and replacement program, and the machine the programs are operating on.

### Customized Offerings

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Product deliverables are shipped only via Customized Offerings (for example, CBPDO, ServerPac, SystemPac®).

CBPDO and ServerPac are offered for Internet delivery, where ShopzSeries product ordering is available. Internet delivery of ServerPac may help improve automation and software delivery time. For more details on Internet delivery, refer to the ShopzSeries help information at

<http://www.software.ibm.com/ShopzSeries>

Media type for this software product is chosen during the Customized Offerings ordering process. Based on your customer environment, it is recommended that the highest possible density tape media is selected. Currently offered media types are:

- CBPDOs - 3480, 3480 Compressed, 3490E, 3590, and 3592\*
- ServerPacs - 3480, 3480 Compressed, 3490E, 3590, and 3592\*

- SystemPacs - 3480, 3480 Compressed, 3490E, 3590, and 3592\*

\*3592 is highest density media. Selecting 3592 will ship the fewest number of media.

Once a product becomes generally available, it will be included in the next ServerPac and SystemPac monthly update.

Production of software product orders will begin on the planned general availability date.

- CBPDO shipments will begin one week after general availability.
- ServerPac shipments will begin two weeks after inclusion in ServerPac.
- SystemPac shipments will begin four weeks after inclusion in SystemPac due to additional customization, and data input verification.

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## **Terms and conditions**

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The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage® Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

### ***Licensing***

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use.

### ***Agreement for Acquisition of Software Maintenance***

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) applies for Software Subscription and Support (Software Maintenance) and does not require customer signatures.

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

IBM System z Operational Support Services - SoftwareXcel is an option if you desire added services.

### ***License information form number***

L-SBRY-7QNKAJ

The program's license information will be available for review on the IBM Software License Agreement Web site

<http://www.ibm.com/software/sla/sladb.nsf>

### ***Limited warranty applies***

Yes

### ***Limited warranty***

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified

portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the *IBM Software Support Handbook* found at

<http://www.ibm.com/support/handbook>

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

### ***Program support***

Enhanced support, called Subscription and Support, includes telephone assistance, as well as access to updates, releases, and versions of the program as long as support is in effect. You will be notified of discontinuance of support with 12 months' notice.

### ***Money-back guarantee***

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

### ***Authorization for use on home/Portable computer***

You may not copy and use this program on another computer without paying additional license fees.

### ***Volume orders (IVO)***

No

### ***Passport Advantage applies***

No

### ***Software Subscription and Support (Software Maintenance) applies***

No. For operating system software, the revised IBM Operational Support Services - SoftwareXcel offering will provide support for those operating systems and associated products that are not available with the Software Subscription and Support (Software Maintenance) offering.

This will ensure total support coverage for your enterprise needs, including IBM and selected non-IBM products. For complete lists of products supported under both the current and revised offering, visit

<http://www.ibm.com/services/sl/products>

### ***IBM Operational Support Services - SoftwareXcel***

Yes

### ***System i Software Maintenance applies***

No

**Variable charges apply**

No

**Educational allowance available**

Yes. A 15% education allowance applies to qualified education institution customers.

**Sub-capacity terms and conditions**

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For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the required license capacity. Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms
- Whether your current mainframes are full capacity or sub-capacity

For more information on the Value Unit Exhibit for the System z IPLA program you selected, refer to the [Ordering information](#) section.

Program number	Program name	Terms	Parent, if applicable
5697-P09	CICS Configuration Manager for z/OS V2.1	reference-based	5655-S97 5655-M15

**Full-capacity mainframes**

In cases where full capacity is applicable, the following terms apply.

Execution-based, z/OS-based, full-machine-based: The required capacity of a System z IPLA program with these terms equals the MSU-rated capacity of the machines where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, visit

<http://www-1.ibm.com/servers/eserver/zseries/library/swpriceinfo/>

Reference-based: The required license capacity of a System z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the parent program.

**Sub-capacity mainframes**

In cases where sub-capacity is applicable, the following terms apply.

Execution-based: The required capacity of a System z IPLA sub-capacity program with these terms equals the capacity of the LPARs where the System z IPLA program executes.

z/OS-based: The required license capacity of a System z IPLA program with these terms equals the license capacity of z/OS on the machines where the System z IPLA program executes.

Reference-based: The required license capacity of a System z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the parent program.

Full-machine-based: The required license capacity of a System z IPLA program with full machine based terms equals the MSU-rated capacity of the machines where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, refer to *The IBM System z Machines Exhibit, (Z125-3901)*, or visit the *Mainframes section of the System z Exhibits Web site*

<http://ibm.com/zseries/library/swpriceinfo/>

For more information on sub-capacity System z IPLA terms and conditions, refer to Software Announcement [204-184](#), dated August 10, 2004.

For additional information for products with reference-based terms, System z IPLA sub-capacity programs with reference-based terms adds value to the parent program across the environment, regardless of where in the environment the System z IPLA program executes.

An environment is defined as either a single or stand-alone machine or a qualified Parallel Sysplex®. You may have one or more different environments across the enterprise. To determine the required license capacity for each System z IPLA program with referenced-based terms, each environment should be assessed separately.

When a System z IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the System z IPLA program must equal with the license capacity of the parent program across the Parallel Sysplex. Qualified Parallel Sysplex refers to one:

- That meets the criteria defined in Hardware Announcement [198-001](#), dated January 13, 1998
- Where MLC pricing is aggregated across the sysplex

### **Sub-capacity eligibility**

To be eligible for sub-capacity charging on select System z IPLA programs, you must first implement and comply with all terms of either sub-capacity Workload License Charges (WLC) or sub-capacity Entry Workload License Charges (EWLC). To implement sub-capacity WLC or EWLC, a machine must be System z (or equivalent). On that machine:

- All instances of the OS/390® operating system must be migrated to the z/OS operating systems
- Any licenses for the OS/390 operating system must be discontinued
- All instances of the z/OS operating systems must be running in z/Architecture® (64-bit) mode

For that machine, you must create and submit a Sub-Capacity Report to IBM each month. Sub-Capacity Reports must be generated using the Sub-Capacity Reporting Tool (SCRT). For additional information or to obtain a copy of SCRT, visit the System z Software Pricing Web site

<http://ibm.com/zseries/swprice>

You must comply with all of the terms of the WLC or EWLC offering, whichever is applicable:

- The complete terms and conditions of sub-capacity WLC are defined in the IBM Customer Agreement - Attachment for System z Workload License Charges (Z125-6516).
- The complete terms and conditions for sub-capacity EWLC are defined in the IBM Customer Agreement - Attachment for IBM System z 890 and 800 License Charges (Z125-6587).

Additionally, you must sign and comply with the terms and conditions specified in the amendment to the IPLA contract - *Amendment for IBM System z9® and System z Programs Sub-Capacity Pricing (Z125-6929)*. Once the amendment is signed, the terms in the amendment replace any and all previous System z IPLA sub-capacity terms and conditions.

### **Sub-capacity utilization determination**

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Sub-capacity utilization is determined based on the utilization of a sub-capacity eligible reference product and machine.

### **On/Off CoD**

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To be eligible for On/Off CoD pricing, you must be enabled for temporary capacity on the corresponding hardware, and the required contract, Attachment for Customer Initiated Upgrade and IBM eServer On/Off Capacity on Demand - Software (Z125-6611) must be signed prior to use.

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## **Prices**

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Information on charges is available at

<http://www.ibm.com/support>

Choose the option entitled Purchase/upgrade tools.

Program name: CICS Configuration Manager for z/OS V2.1  
Program PID: 5697-P09

Entitlement identifier	Description	License option/Pricing metric
S015H3H	CICS Configuration Manager for z/OS V2.1	Basic OTC, Value Units
S015H3H	CICS Configuration Manager for z/OS V2.1	Basic OTC, per MSU-day TUC

Subscription and Support PID: 5697-I79

Entitlement identifier	Description	License option/Pricing metric
S011CNX	CICS Configuration Manager for z/OS Subscription and Support	Basic ASC, Value Units SW S&S No charge, decline SW S&S Per MSU SW S&S Registration

### **IBM Global Financing**

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