



IBM Service Management Suite for z/OS, V1.5.0 and IBM OMEGAMON Performance Management Suite for z/OS, V5.5.0 provide modernized monitoring and management of z/OS systems and subsystems in a simplified, easy-to-deploy infrastructure that lowers the cost of monitoring while reducing time to detect and fix problems

Table of contents

1 Overview	14 Publications
4 Key prerequisites	16 Technical information
4 Planned availability date	18 Ordering information
4 Description	26 Terms and conditions
12 Product positioning	32 Prices
12 Statement of general direction	33 Order now
13 Program number	

Overview

In today's digital economy, ensuring the smooth and efficient operations of your mainframe data center is essential in maintaining Service Level Agreements, managing ongoing costs, and providing fast, agile service to the business. Ensuring a consistent and integrated strategy that balances these competing needs is key in delivering operational excellence in the enterprise.

To support clients in addressing these challenges, IBM[®] is enhancing the following IBM Z IT service management products:

- IBM Service Management Suite for z/OS[®], V1.5.0
- IBM OMEGAMON[®] Performance Management Suite for z/OS, V5.5.0
- IBM OMEGAMON for z/OS Management Suite, V5.5.0
- IBM OMEGAMON for z/OS, V5.5.0
- IBM OMEGAMON for CICS[®] on z/OS, V5.5.0
- IBM OMEGAMON for IMS[™] on z/OS, V5.5.0
- IBM OMEGAMON for Messaging on z/OS, V7.5.0
- IBM OMEGAMON for Networks on z/OS, V5.5.0
- IBM OMEGAMON Dashboard Edition for z/OS, V5.5.0
- IBM Service Management Suite, V1.1.3

IBM Service Management Suite for z/OS, V1.5.0

IBM Service Management Suite for z/OS (Service Management Suite) is focused on delivering comprehensive management of your z/OS enterprise, encompassing monitoring, automation, network management, and asset discovery. Service Management Suite for z/OS is a simply priced, easy-to-order package of products that run on IBM Z hardware. It provides the tools necessary to support the dynamic growth of transaction workload and data sharing between mobile, cloud, and

analytics platforms and the IBM Z platform that drives organizations to modernize and optimize their systems that run in the IBM z/OS environment.

The new release contains significant updates to the following components that provide enhanced monitoring for z/OS, CICS Transaction Server, IMS, MQ, Integration Bus, and networks. They enable clients to move to the latest levels of IBM Z hardware and software with confidence they can exploit leading-edge technology. A key focus of this update has been on simplifying the deployment and serviceability of the portfolio, reducing the time systems programmers spend managing their service management infrastructure so they can dedicate time to focus on optimizing their IBM Z operations. Additionally, user interfaces have been improved for both subject matter experts and operators, giving a consolidated view of system information whether their preference is 3270-based screens for deep-dive problem resolution or web-based triage of problem situations.

Service Management Suite for z/OS contains:

- IBM Service Management Unite, V1.1.3
- IBM OMEGAMON Performance Management Suite for z/OS, V5.5.0
- IBM System Automation for z/OS, V4.1.0
- IBM Tivoli^(R) NetView^(R) for z/OS, V6.2.1
- IBM Tivoli Asset Discovery for z/OS, V8.1.0

Downloads, software requirements, hardware requirements, and details of new capabilities for Service Management Suite for z/OS are provided in the [Customer access Portal for IBM Service Management Suite for z/OS](#).

IBM OMEGAMON Performance Management Suite for z/OS, V5.5.0

IBM OMEGAMON Performance Management Suite for z/OS (OMEGAMON Performance Management Suite) is focused on providing real-time and historical monitoring and availability management of z/OS infrastructure and key subsystems, such as IBM CICS, IBM Information Management System (IMS), IBM DB2^(R), IBM WebSphere^(R) Application Server for z/OS, and IBM MQ for z/OS.

The new release contains significant updates to the following components that provide enhanced monitoring for z/OS, CICS Transaction Server, IMS, MQ, Integration Bus, and networks. They enable clients to move to the latest levels of IBM Z hardware and software with confidence they can exploit leading-edge technology. A key focus of this update has been on simplifying the deployment and serviceability of the portfolio, reducing the time systems programmers spend managing their service management infrastructure so they can dedicate time to focus on optimizing their IBM Z operations. The OMEGAMON Enhanced 3270 User Interface (Enhanced 3270UI) has been updated to give comprehensive monitoring coverage across z/OS and key subsystems. As a result, the older Common User Interface (CUA)/OMEGAMON II and OMEGAVIEW interfaces have been withdrawn, simplifying the deployment process for an OMEGAMON runtime environment.

Additionally, the OMEGAMON Serviceability Log Analysis component is withdrawn.

IBM OMEGAMON for z/OS Management Suite, V5.5.0

OMEGAMON for z/OS Management Suite (OMEGAMON Management Suite) is focused on providing real-time and historical monitoring and availability management of the z/OS infrastructure.

The new release contains significant updates to the following components that provide enhanced monitoring for z/OS and networks. They enable clients to move to the latest levels of IBM Z hardware and software with confidence they can exploit leading-edge technology. A key focus of this update has been on simplifying the deployment and serviceability of the portfolio, reducing the time systems programmers spend managing their service management infrastructure so they can dedicate time to focus on optimizing their IBM Z operations. The Enhanced 3270UI has been updated to give comprehensive monitoring coverage across z/OS and key

subsystems. As a result, the older Common User Interface (CUA)/OMEGAMON II and OMEGAVIEW interfaces have been withdrawn, simplifying the deployment process for an OMEGAMON runtime environment.

IBM OMEGAMON for z/OS, V5.5.0

OMEGAMON for z/OS is a performance monitor providing subject matter experts, such as systems programmers, the ability to manage z/OS operating system resources and workloads. It delivers capabilities to manage address spaces, integrating data from z/OS and multiple z/OS-based subsystems into intuitively designed workspaces for faster problem solving. The new release provides enhancements to simplify deployment and provide monitoring support for the latest version of IBM Z hardware and z/OS operating system, and migration of key functions to the Enhanced 3270UI to make it the strategic user interface for subject matter experts.

IBM OMEGAMON for CICS on z/OS, V5.5.0

OMEGAMON for CICS on z/OS is a performance monitor providing subject matter experts, such as systems programmers, the capability to manage CICS Transaction Server and CICS Transaction Gateway resources and workloads. It integrates with other members of the OMEGAMON portfolio to provide a powerful cross-subsystem problem determination toolset, helping subject matter experts manage and monitor their systems with ease. The new release provides enhancements to simplify deployment and provide monitoring support and exploitation for the latest version of CICS Transaction Server on z/OS such as asynchronous transactions together with migration of key functions to the Enhanced 3270UI to make it the strategic user interface for subject matter experts.

IBM OMEGAMON for IMS on z/OS, V5.5.0

OMEGAMON for IMS on z/OS is a performance monitor providing subject matter experts, such as systems programmers, the capability to manage IBM Information Management System resources and workloads. It integrates with other members of the OMEGAMON portfolio to provide a powerful cross-subsystem problem determination toolset, helping subject matter experts manage and monitor their systems with ease. The new release provides enhancements to simplify deployment and provide monitoring support and exploitation for the latest version of IBM IMS, significant enhancements to improve the infrastructure of the monitoring agent, and migration of key functions to the Enhanced 3270UI. The introduction of the new IMS Commander gives subject matter experts the ability issue commands and search the IMS console directly within the Enhanced 3270UI.

IBM OMEGAMON for Messaging on z/OS, V7.5.0

OMEGAMON for Messaging on z/OS is a performance monitor providing subject matter experts, such as systems programmers, the capability to manage IBM MQ and IBM Integration Bus resources and workloads. It integrates with other members of the OMEGAMON portfolio to provide a powerful cross-subsystem problem determination toolset, helping subject matter experts manage and monitor their systems with ease. The new release provides enhancements to simplify deployment, improve performance, and provide monitoring support and exploitation for the latest versions of MQ and Integration Bus through new workspaces and migration of key functions to the Enhanced 3270UI.

Additionally in V7.5.0 the MQ 3270 and MQ Configuration components have been withdrawn.

IBM OMEGAMON for Networks on z/OS, V5.5.0

OMEGAMON for Networks on z/OS is a performance monitor providing subject matter experts, such as systems programmers, the capability to manage z/OS network resources such as z/OS Communication Server. It integrates with other members of the OMEGAMON portfolio to provide a powerful cross-subsystem problem determination toolset, helping subject matter experts manage and monitor their systems with ease. The new release provides enhancements to simplify

deployment and serviceability, increase compatibility, and aid exploitation of functions to monitor the latest z14 hardware and z/OS V2.3 features, including monitoring of shared memory communications through new workspaces and migration of key functions to the Enhanced 3270UI.

IBM OMEGAMON Dashboard Edition on z/OS, V5.5.0

OMEGAMON Dashboard Edition provides the capability to integrate management of z/OS operating system, network, subsystems, and storage for greater visibility, control, and automation of your z/OS environment, which can help improve utilization of resources. Migration of key functions to the Enhanced 3270UI means that the OMEGAVIEW interface is withdrawn in version 5.5 because functions that could be accomplished with OMEGAVIEW in previous releases can now be accomplished with the Enhanced 3270UI.

Note: All new OMEGAMON V5.5.0 products do not provide Common User Interface (CUA)/OMEGAMON II or OMEGAVIEW interfaces as has been detailed in previous Statements of Direction. The OMEGAMON Enhanced 3270 User Interface is the strategic 3270-based user interface for subject matter experts and key required function has been migrated to this user interface.

Note: All new OMEGAMON V5.5.0 and V7.5.0 products utilize the z/OS Discovery Library Adapter (z/OS DLA) to discover online resources within the monitored environment configuration steps when deploying or updating a runtime environment within PARMGEN. This reduces the time taken to configure agent parameters, eliminates errors caused by mistyped parameters, and reduces dependency on subject matter experts or teams during the deployment process.

IBM Service Management Unite, V1.1.3

Service Management Unite is a customizable management dashboard bringing mainframe management information and tasks from disparate sources into a single environment. It helps operators triage alerts and take corrective action, including issuing system commands and viewing results, without going to a different console. The new update provides improved System Automation based problem isolation support and additional dashboards for resource monitoring of Java™ runtimes on z/OS through data delivered by OMEGAMON for JVM on z/OS, enabling operators to investigate JVM health, memory utilization, thread and lock details, and CPU utilization.

Key prerequisites

Refer to the [Software requirements](#) and [Hardware requirements](#) sections.

Planned availability date

September 8, 2017

Refer to the [Availability of national languages](#) section for national language availability.

Description

IBM Service Management Suite for z/OS, V1.5.0 (5698-AAF)

Service Management Suite for z/OS is a simply priced, easy-to-order package of products that provides automation, network management, performance and availability management, and asset discovery for critical business workloads that run on IBM Z hardware. It provides the tools necessary to support the dynamic growth of transaction workload and data sharing between mobile, cloud, and analytics

platforms and the IBM Z platform that drives organizations to modernize and optimize their systems that run in the IBM zTM/OS environment.

Note: You have the ability to upgrade to the Service Management Suite if you own any of the component products.

Service Management Suite for z/OS contains:

- IBM Service Management Unite, V1.1.3
- IBM System Automation for z/OS, V4.1.0
- IBM Tivoli NetView for z/OS, V6.2.1
- IBM Tivoli Asset Discovery for z/OS, V8.1.0
- IBM OMEGAMON Performance Management Suite for z/OS, V5.5.0

With the exception of IBM Service Management Unite these products are available on an individual basis in addition to the Service Management Suite.

IBM Service Management Unite, V1.1.3

Service Management Unite is a customizable management dashboard bringing mainframe management information and tasks from disparate sources into a single environment. The dashboard displays monitoring and automation exception events together so operators can quickly and confidently analyze, isolate, and diagnose problems by analyzing all relevant data in a single interface. Operators can also interact directly with the system, issuing commands and viewing results without going to a different console.

New features and enhancements

- A new JVM Overview dashboard listing all monitored JVMs and their key performance metrics
- Addition of JVM events and JVM components to the System Health page to get an aggregated status of the JVM health and to have a starting point for JVM problem isolation
- Filtering of JVMs using search criteria
- Ability to drill down to a JVM health summary for a specific JVM instance
- Problem isolation dashboards for CPU related JVM problems
- Problem isolation dashboards for garbage collection related JVM problems
- New System Automation Suspend & Resume function for better support of automation test and maintenance scenarios
- Modernized automation with improved problem isolation to easily determine resource problems and to provide context-sensitive recommendations on how to fix the issue

Users can drill down from a JVM instance to the corresponding subsystem (for example, CICS, DB2, WAS, or IMS) and add JVM details to subsystem overview pages.

Downloads, software requirements, hardware requirements, and details of new capabilities for IBM Service Management Unite are provided in the [Customer access Portal for IBM Service Management Unite](#).

IBM System Automation for z/OS, V4.1.0

System Automation for z/OS is a policy-based, self-healing, high-availability solution to optimize efficiency and availability of critical systems and applications. It is designed to reduce administrative and operational tasks, customization and programming effort, and automation implementation time and costs associated with Parallel Sysplex^(R) automation and policy-based automation. Using the tight integration with Geographically Dispersed Parallel SysplexTM (GDPS^(R)), System Automation for z/OS provides sophisticated disaster recovery capabilities for IBM Z. For more information, refer to the [Reference information](#) section for access to the Software Announcement.

Version 4.1.0 provides enhancements that are focused on a completely new user experience, with a modernized management console to manage applications running beyond Parallel Sysplex barriers. This offering is designed to minimize users' efforts to reduce the costs of IT operation, lower risks, and improve system and application availability. New enhancements include:

- Improved problem discovery of remote resources in an end-to-end automation (cross-sysplex) scenario.
- Simplified automation setup using System Automation's Configuration Assistant to automate applications and resources on multiple sysplexes.
- Enhanced scope to automate applications and resources on multiple sysplexes without the need to manage dependencies manually.
- Capability to manage and automate critical applications running on different sysplexes with transparent and easy-to-use Service Management Unite dashboards.
- A new System Automation for z/OS analyze function (INGWHY) that provides expert guidance to operators, when an unexpected status of an automated resource appears. The analysis is valuable in error situations when operators must quickly restore service.
- Extended suspend capabilities, so that it is possible not only to manually inject suspend requests, but also to inject them automatically for resources that are not ready for production use.
- Job Log Monitoring that:
 - Is enhanced to detect when a data set is spun off by JES. As a result, it monitors the new spool data set.
 - Can resume monitoring where it was when NetView had to be recycled.

Tivoli NetView for z/OS, V6.2.1

NetView provides automation, and network and systems management to address agile business requirements on IBM Z. System and network automation provided by NetView addresses the continued drive for increased IT availability. The growing amount of network requirements, caused by adding mobile devices and hybrid cloud implementations, increases the need for a complete network management solution to strengthen availability and maintain high quality of services. For more information, refer to the [Reference information](#) section for access to the Software Announcement.

Tivoli Asset Discovery for z/OS, V8.1.0

Version 8.1.0 enhances data visibility, reporting, and change tracking. By supporting SQLite Database, it provides an alternative to the use of IBM DB2. It also delivers various platform support and administrative capabilities. These capabilities better enable the IT administrator to see the full spectrum of hardware and software data usage. By supporting SQLite, Tivoli Asset Discovery for z/OS, V8.1 provides an alternative to DB2 for clients who either don't currently have DB2 or who wish, for other reasons, to utilize a different database option. For more information, refer to the [Reference information](#) section for access to the Software Announcement.

IBM OMEGAMON Performance Management Suite for z/OS, V5.5.0 (5698-AA8)

OMEGAMON Performance Management Suite for z/OS (OMEGAMON Performance Management Suite), formerly IBM Tivoli OMEGAMON Performance Management Suite for z/OS, is a suite of ten integrated offerings focused on providing real-time and historical monitoring and availability management of z/OS infrastructure and key subsystems, such as IBM CICS, IBM Information Management System (IMS), IBM DB2, IBM WebSphere Application Server for z/OS, and IBM MQ for z/OS.

OMEGAMON Performance Management Suite contains:

- IBM OMEGAMON for z/OS, V5.5.0
- IBM OMEGAMON for CICS on z/OS, V5.5.0

- IBM OMEGAMON for IMS on z/OS, V5.5.0
- IBM OMEGAMON for Messaging on z/OS, V7.5.0
- IBM OMEGAMON for Networks on z/OS, V5.5.0
- IBM OMEGAMON for JVM on z/OS, V5.4.0
- IBM OMEGAMON for Storage on z/OS, V5.4.0
- IBM OMEGAMON Dashboard Edition on z/OS, V5.5.0
- IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.4.0
- IBM Tivoli Composite Application Manager for Application Diagnostics on z/OS, V7.1

These products are available on an individual basis in addition to the OMEGAMON Performance Management Suite.

Note: You have the ability to upgrade to the OMEGAMON Performance Management Suite if you own any of the component products.

The new release contains significant updates that provide enhanced monitoring for z/OS, CICS, IMS, MQ, and z/OS Communication Server plus simplified deployment processes across all products within the suite. It can reduce the time to get configured through elimination of address spaces and required configuration parameters with automatic discovery of system properties.

Additionally at V5.5.0 the OMEGAMON Serviceability Log Analysis component is withdrawn.

IBM OMEGAMON for z/OS Management Suite, V5.5.0 (5698-TOM)

OMEGAMON for z/OS Management Suite (OMEGAMON Management Suite), formerly Tivoli OMEGAMON for z/OS Management Suite, is a suite of five integrated offerings focused on providing real-time and historical monitoring and availability management of the z/OS infrastructure.

OMEGAMON for z/OS Management Suite contains:

- IBM OMEGAMON for z/OS, V5.5.0
- IBM OMEGAMON for Networks on z/OS, V5.5.0
- IBM OMEGAMON for JVM on z/OS, V5.4.0
- IBM OMEGAMON for Storage on z/OS, V5.4.0
- IBM OMEGAMON Dashboard Edition on z/OS, V5.5.0

These products are available on an individual basis in addition to OMEGAMON Management Suite.

The new release contains significant updates that provide enhanced monitoring for z/OS and z/OS Communication Server plus simplified deployment processes across all products within the suite.

For additional information about Service Management Suite for z/OS, OMEGAMON Performance Management Suite for z/OS, and OMEGAMON for z/OS Management Suite contents, refer to the [Reference information](#) section.

IBM OMEGAMON for Messaging on z/OS, V7.5.0 (5698-B23)

OMEGAMON for Messaging on z/OS, formerly Tivoli OMEGAMON XE for Messaging for z/OS, is a performance monitor providing subject matter experts, such as systems programmers, the capability to manage IBM MQ and IBM Integration Bus resources and workloads. It integrates with other members of the OMEGAMON portfolio to provide a powerful cross-subsystem problem determination toolset, helping subject matter experts manage and monitor their systems with ease.

New features and enhancements

- Updates to Log Manager workspaces for new MQ SMF Type 115 attributes

- Workspace and attribute updates to improve usability, such as for DLQ reason codes, application type enumerations, 8 byte and 6 byte RBA comparison, cluster transmission queues, trigger queue attributes for process name and initiation queue, and z/OS queue attributes for storage class, index type, and tpipe names
- Enhanced 3270UI support for MQ Publish/Subscribe data, including subscription definitions and status and topic definitions and status
- Enhanced 3270UI improved support for monitoring MQ across systems, including a Sysplex tree view of queue managers, views of MQ data from user-defined managed system lists of queue managers, enterprise-wide views of MQ Cluster data and of Queue-Sharing Group data, and views of monitoring agent status
- New attributes and workspaces for Integration Bus updates including global cache, CICS, and JMS resource statistics
- Simplified deployment process reducing configuration parameters coupled with automatic discovery of system properties during the PARMGEN configuration process

Migration of key functions to the Enhanced 3270UI means that the MQ 3270 User Interface is withdrawn in version 7.5 because functions that could be accomplished with the MQ 3270 User Interface in previous releases can now be accomplished with the Enhanced 3270UI.

The MQ Configuration utility is withdrawn in version 7.5. Alternative tools to MQ Configuration include configuration within IBM MQ using MQ Explorer or command-line interfaces; also z/OSMF and IBM UrbanCode™ Deploy support MQ configuration.

IBM OMEGAMON for CICS on z/OS, V5.5.0 (5698-T07)

OMEGAMON for CICS on z/OS, formerly Tivoli OMEGAMON XE for CICS on z/OS, is a performance monitor providing subject matter experts, such as systems programmers, the capability to manage CICS Transaction Server and CICS Transaction Gateway resources and workloads. It integrates with other members of the OMEGAMON portfolio to provide a powerful cross-subsystem problem determination toolset, helping subject matter experts manage and monitor their systems with ease.

New features and enhancements

Version 5.5.0 provides enhancements to simplify the deployment of the monitoring infrastructure, reducing the time to get configured through elimination of address spaces and required configuration parameters with automatic discovery of system properties. These enhancements include:

- Migration of key functions from OMEGAMON II/CUA to the Enhanced 3270UI, including memory list and memory zap to provide comprehensive monitoring and management of z/OS functions in single user interface integrated with the complete OMEGAMON family of offerings
- Migration of Service Level Analysis configuration toolkit to the Enhanced 3270UI, enabling users to define and modify settings for their SLA goals and workloads without switching tools
- Multi-line Take Action facility in the Enhanced 3270UI, allowing faster processing of changes such as cancelling tasks
- Toleration and exploitation of functions to support CICS Transaction Server for z/OS V5.4, including asynchronous transaction API monitoring
- Ability to view groups of CICS data in the context of an LPAR or user grouping in addition to a CICSplex
- Simplified deployment process, reducing the number of address spaces and configuration parameters coupled with automatic discovery of system properties during the PARMGEN configuration process
- Simplified post-configuration tasks through removal of the need for defining multiple globals in advance of starting Task History and allowing more globals to be shared

Migration of key functions to the Enhanced 3270UI means that the OMEGAMON II/ Common User Interface (CUA) is withdrawn in version 5.5 because functions that

could be accomplished with CUA in previous releases can now be accomplished with the Enhanced 3270UI.

The End-to-End function is withdrawn in version 5.5.

IBM OMEGAMON for IMS on z/OS, V5.5.0 (5698-T02)

OMEGAMON for IMS on z/OS, formerly Tivoli OMEGAMON XE for IMS on z/OS, is a performance monitor providing subject matter experts, such as systems programmers, the capability to manage IMS resources and workloads through integrated workspaces that provide alerts to problem conditions, aid the user to determine the root-cause issue, and help in taking corrective action to minimize any costly impact to business-critical applications.

New features and enhancements

Version 5.5.0 provides enhancements to simplify the deployment of the monitoring infrastructure, reducing the time to get configured through elimination of address spaces and required configuration parameters with automatic discovery of system properties. The enhancements include:

- Migration of key functions from OMEGAMON II/CUA to the Enhanced 3270UI to provide comprehensive monitoring and management of z/OS functions in single user interface integrated with the complete OMEGAMON family of offerings.
- Introduction of IMS Commander within the Enhanced 3270UI. IMS Commander introduces a message repository containing all of the IMS MTO/SMTO messages plus z/OS console messages from IMS control and dependent regions, eliminating the need to switch tools to search different message sources. This repository captures all of the activity happening in your IMS regions for analysis. The messages may be retrieved from the OMEGAMON Enhanced 3270UI employing filters by date and time, message prefix or content, and other key attributes like transaction or user ID, abend code, and more. Subject matter experts can quickly review IMS MTO/SMTO messages plus z/OS console messages from IMS control and dependent regions without switching tools, reducing the time to investigate issues. IMS Commander replaces and enhances the IMS Console Facility (I/CF), which has been deprecated.
- Enhancements to Application Trace Facility to exploit storage above the bar to accommodate today's ever-increasing transaction rates.
- Inclusion of IMS Database summary and detailed metric workspaces in the Enhanced 3270UI to better identify the health and status of all of your IMS databases.
- Toleration and exploitation of functions to support the latest levels of IMS, CICS, and z/OS.
- Simplified deployment process, eliminating a number of required address spaces to be deployed and reducing configuration parameters coupled with automatic discovery of system properties during the PARMGEN configuration process.
- Improvements to serviceability, reducing the time required to manage your OMEGAMON for IMS deployments through reduction of RKLVLLOG log messages, introduction of agent health status attributes, and additional dynamic tracing.

Migration of key functions to the Enhanced 3270UI means that the OMEGAMON II/Common User Interface (CUA) is withdrawn in version 5.5 because functions that could be accomplished with CUA in previous releases can now be accomplished with the Enhanced 3270UI.

IBM OMEGAMON for z/OS, V5.5.0 (5698-T01)

OMEGAMON for z/OS, formerly Tivoli OMEGAMON XE on z/OS, is a performance monitor providing subject matter experts, such as systems programmers, the capability to manage z/OS operating system resources and workloads. It delivers capabilities to manage address spaces, integrating data from z/OS and multiple z/OS-based subsystems into intuitively designed workspaces for faster problem solving.

New features and enhancements

Version 5.5.0 provides enhancements to simplify the deployment of the monitoring infrastructure, reducing the time to get configured through elimination of address

spaces and required configuration parameters with automatic discovery of system properties. The enhancements include:

- Migration of key functions from OMEGAMON II/CUA to the Enhanced 3270UI, including memory list and memory zap to provide comprehensive monitoring and management of z/OS functions in single user interface integrated with the complete OMEGAMON family of offerings
- Compatibility and exploitation of functions to monitor the latest z/Architecture^(R) hardware and z/OS V2.3 features, including monitoring of PCIe, near-term history for storage class memory, and real storage monitoring improvement (including monitoring of 2GB page support)
- Enhancements to coupling facility monitoring to use RMFTM DDS
- JES2/JES3 Spool Utilization support to Classic user interface
- Simplified deployment process, reducing the number of address spaces and configuration parameters coupled with automatic discovery of system properties
- Improvements to serviceability, reducing the time required to manage your OMEGAMON for z/OS deployments through reduction of RKLVLLOG log messages, improvements of dynamic tracing, and reworked situations to alert users to communication problems between agents and servers

Migration of key functions to the Enhanced 3270UI means that the OMEGAMON II/ Common User Interface (CUA) is withdrawn in version 5.5 because functions that could be accomplished with CUA in previous releases can now be accomplished with the Enhanced 3270UI.

The EPILOG function is withdrawn in version 5.5. The recommended alternative is to use reporting provided by RMF.

IBM OMEGAMON Dashboard Edition on z/OS, V5.5.0 (5698-T06)

OMEGAMON Dashboard Edition on z/OS, formerly Tivoli OMEGAMON Dashboard Edition on z/OS, provides capability to integrate management of z/OS operating system, network, subsystems, and storage for greater visibility, control, and automation of your z/OS environment and improved utilization of resources.

New features and enhancements

- Customizable Situation Status Tree within the Enhanced 3270UI allows users to track and investigate triggered alerts active now and in the recent past.

Migration of key functions to the Enhanced 3270UI means that the OMEGAVIEW is withdrawn in version 5.5 because functions that could be accomplished with OMEGAVIEW in previous releases can now be accomplished with the Enhanced 3270UI.

Customers who require OMEGAVIEW for viewing log information generated by IBM Tivoli AF/OPERATOR for z/OS should continue to use IBM Tivoli OMEGAMON Dashboard Edition for z/OS V5.3.0 to keep OMEGAVIEW functionality.

IBM OMEGAMON for Networks on z/OS, V5.5.0 (5698-T03)

OMEGAMON for Networks on z/OS, formerly Tivoli OMEGAMON XE for Mainframe Networks, is a performance monitor providing subject matter experts, such as systems programmers, the capability to manage z/OS network resources such as z/OS Communication Server. It integrates with other members of the OMEGAMON portfolio to provide a powerful cross-subsystem problem determination toolset, helping subject matter experts manage and monitor their systems with ease.

New features and enhancements

- Migration of key functions from OMEGAMON II/CUA to the Enhanced 3270UI to provide comprehensive monitoring and management of z/OS functions in a single user interface integrated with the complete OMEGAMON family of offerings
- Compatibility and exploitation of functions to monitor the latest z14 hardware and z/OS V2.3 features, including monitoring of shared memory communications (RoCE and SMC-D/ISM)

- Simplified deployment process, eliminating a number of required address spaces to be deployed and reducing configuration parameters coupled with automatic discovery of system properties during the PARMGEN configuration process
- Improvements to serviceability, reducing the time required to manage your OMEGAMON for z/OS deployments through reduction of RKLVLLOG log messages, improvements of dynamic tracing, and reworked situations to alert users to communication problems between agents and servers

Migration of key functions to the Enhanced 3270UI means that the OMEGAMON II/ Common User Interface (CUA) is withdrawn in version 5.5 because functions that could be accomplished with CUA in previous releases can now be accomplished with the Enhanced 3270UI.

Note: All new OMEGAMON V5.5.0 and V7.5.0 products utilize the z/OS Discovery Library Adapter (z/OS DLA) to discover online resources within the monitored environment configuration steps when deploying or updating a runtime environment within PARMGEN. This reduces the time taken to configure agent parameters, eliminates errors caused by mistyped parameters, and reduces dependency on subject matter experts or teams during the deployment process.

Value Unit-based pricing

Value Unit pricing for eligible IBM Z IBM International Program License Agreement (IPLA) programs enables a lower cost of incremental growth and enterprise aggregation. Each IBM Z IPLA product with Value Unit pricing has a single price per Value Unit and a conversion matrix, called a 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 IBM 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 stipulates 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 IBM Z IPLA program that you have acquired is referred to as **entitled license capacity**. If you wish to grow your entitled license capacity for an IBM Z IPLA program, the calculation to determine additional needed Value Units is based upon the number of Value Units already acquired.

For each IBM 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, go to the [IBM System z^{\(R\)} Software Pricing](#) website.

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 IBM Z IPLA program you selected, refer to the [Terms and conditions](#) section.

Product positioning

The value of Service Management Suite for z/OS, V1.5.0 is to provide users with a comprehensive set of service management functions on IBM Z, which helps organizations to effectively manage the growing complexity of IT environments. The integration of automation and performance management functions supported by modern, innovative dashboards enables organizations to effectively operate their IBM Z environments. The functional scope consists of Java on z/OS, IBM CICS Transaction Server on z/OS, IBM CICS Transaction Gateway on z/OS, IBM IMS, IBM DB2, IBM WebSphere Application Server on z/OS, and IBM MQ, in addition to z/OS infrastructure, storage, and network operations. The suite offers breadth and depth of coverage to meet your service management needs.

Statement of general direction

IBM intends to discontinue System Automation for z/OS support for collecting automation data using the Monitoring Agent and feeding that data into the Tivoli Enterprise Portal (TEP).

IBM intends to deliver enhancements in OMEGAMON for Networks on z/OS to provide VTAM[®] application monitoring in OMEGAMON Enhanced 3207UI.

IBM intends to deliver an enhancement that will provide performance improvements for the OMEGAMON for Messaging Integration Bus monitoring agent.

IBM's statements regarding its plans, directions, and intent are subject to change or withdrawal without notice at IBM's sole discretion. Information regarding potential future products is intended to outline our general product direction and it should not be relied on in making a purchasing decision. The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. Information about potential future products may not be incorporated into any contract. The development, release, and timing of any future features or functionality described for our products remain at our sole discretion.

Reference information

Refer to the following Software Announcements for more information about the products that are included in Service Management Suite for z/OS, V1.5.0:

- IBM System Automation for z/OS, V4.1, in Software Announcement [217-086](#), dated February 28, 2017
- IBM Tivoli NetView for z/OS, V6.2, in Software Announcement [213-445](#), dated October 22, 2013
- IBM Tivoli Asset Discovery for z/OS, V8.1 in Software Announcement [213-036](#), dated February 12, 2013

Refer to the following Software Announcement for more information about the products that are included in IBM OMEGAMON Performance Management Suite for z/OS, V5.5.0:

- IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.4.0, in Software Announcement [216-345](#), dated October 4, 2016
- IBM OMEGAMON for JVM on z/OS, V5.4.0, IBM OMEGAMON for Storage on z/OS, V5.4.0, in Software Announcement [216-345](#), dated October 4, 2016
- IBM Tivoli Composite Application Manager for z/OS, V7.1, in Software Announcement [209-424](#), dated December 1, 2009

Availability of national languages

Translation information, if available, can be found at the [Translation Reports](#) website.

Program number

Program number	VRM	Program name
5698-AAF	1.5.0	IBM Service Management Suite for z/OS
5698-AA8	5.5.0	IBM OMEGAMON Performance Management Suite for z/OS
5698-TOM	5.5.0	IBM OMEGAMON for z/OS Management Suite
5698-B23	7.5.0	IBM OMEGAMON for Messaging on z/OS
5698-T07	5.5.0	IBM OMEGAMON for CICS on z/OS
5698-T02	5.5.0	IBM OMEGAMON for IMS on z/OS
5698-T01	5.5.0	IBM OMEGAMON for z/OS
5698-T06	5.5.0	IBM OMEGAMON Dashboard Edition on z/OS
5698-T03	5.5.0	IBM OMEGAMON for Networks on z/OS

Product identification number

Program PID number	Subscription and Support PID number
5698-AAF	5698-AAG
5698-AA8	5698-AA9
5698-TOM	5698-Z06
5698-B23	5608-S83
5698-T07	5608-S74
5698-T02	5608-S75
5698-T01	5608-S81
5698-T06	5608-S72
5698-T03	5608-S76

Business Partner information

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 IBMid).

[BP Attachment for Announcement Letter 217-270](#)

Education support

IBM training provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers can be found on [IBM authorized training](#) website.

Call IBM training at 800-IBM-TEACH (426-8322) for catalogs, schedules, and enrollments.

Offering Information

Product information is available on the [IBM Offering Information](#) website.

Publications

The following publications will be available for ordering on the general availability date. To order, use IBM Knowledge Center, or contact your IBM representative.

IBM Service Management Suite for z/OS, V1.5.0 (5698-AAF)

Title	Publication number
IBM Service Management Suite for z/OS Program Directory	GI13-2328
IBM Service Management Suite for z/OS Suite ID Program Directory	GI13-4149
IBM Service Management Suite for z/OS Suite License Information CD	LC27-6399

Service Management Suite for z/OS, V1.5.0 product documentation is published on [IBM Knowledge Center](#), which can be viewed from a web browser with internet access.

IBM System Automation for z/OS, V4.1.0 (5698-SA4)

Title	Publication number
IBM System Automation for z/OS, V4.1.0 Program Directory	GI13-4184
IBM System Automation for z/OS, V4.1.0 License Information CD	LC27-8746

System Automation for z/OS, V4.1.0 product documentation is published on [IBM Knowledge Center](#), which can be viewed from a web browser with internet access.

IBM OMEGAMON Performance Management Suite for z/OS V5.5.0 (5698-AA8)

Title	Publication number
IBM OMEGAMON Performance Management Suite for z/OS Program Directory	GI13-2299
IBM OMEGAMON Performance Management for z/OS Suite License Information CD	LC27-4899

IBM OMEGAMON Performance Management Suite for z/OS, V5.5.0 product documentation is published on [IBM Knowledge Center](#), which can be viewed from a web browser with internet access.

IBM OMEGAMON for z/OS Management Suite V5.5.0 (5698-TOM)

Title	Publication number
IBM OMEGAMON for z/OS Management Suite Program Directory	GI13-2258
IBM OMEGAMON for z/OS Management Suite License Information CD	LC27-4902

IBM OMEGAMON for z/OS Management Suite, V5.5.0 product documentation is published on [IBM Knowledge Center](#), which can be viewed from a web browser with internet access.

IBM OMEGAMON for Messaging on z/OS V7.5.0 (5698-B23)

Title	Publication number
IBM OMEGAMON for Messaging on z/OS V7.5.0 Program Directory	GI13-2249
IBM OMEGAMON for Messaging on z/OS V7.5.0 License Information CD	LC27-4900

IBM OMEGAMON for Messaging on z/OS, V7.5.0 product documentation is published on [IBM Knowledge Center](#), which can be viewed from a web browser with internet access.

IBM OMEGAMON for z/OS V5.5.0 (5698-T01)

Title	Publication number
IBM OMEGAMON for z/OS V5.5.0 Program Directory	GI13-2207
IBM OMEGAMON for z/OS V5.5.0 License Information CD	LC27-4894

IBM OMEGAMON for z/OS, V5.5.0 product documentation is published on [IBM Knowledge Center](#), which can be viewed from a web browser with internet access.

IBM OMEGAMON for IMS on z/OS V5.5.0 (5698-T02)

Title	Publication number
IBM OMEGAMON for IMS on z/OS V5.5.0 Program Directory	GI13-2251
IBM OMEGAMON for IMS on z/OS V5.5.0 License Information CD	LC27-4934

IBM OMEGAMON for IMS on z/OS, V5.5.0 product documentation is published on [IBM Knowledge Center](#), which can be viewed from a web browser with internet access.

IBM OMEGAMON for Networks V5.5.0 (5698-T03)

Title	Publication number
IBM OMEGAMON for Networks V5.5.0 Program Directory	GI13-2255
IBM OMEGAMON for Networks V5.5.0 License Information CD	LC27-4935

IBM OMEGAMON for Networks on z/OS, V5.5.0 product documentation is published on [IBM Knowledge Center](#), which can be viewed from a web browser with internet access.

IBM OMEGAMON Dashboard Edition on z/OS V5.5.0 (5698-T06)

Title	Publication number
IBM OMEGAMON Dashboard Edition on z/OS V5.5.0 Program Directory	GI13-2210
IBM OMEGAMON Dashboard Edition on z/OS V5.5.0 License Information CD	LC27-4893

IBM OMEGAMON Dashboard Edition on z/OS, V5.5.0 product documentation is published on [IBM Knowledge Center](#), which can be viewed from a web browser with internet access.

IBM OMEGAMON for CICS on z/OS V5.5.0 (5698-T07)

Title	Publication number
IBM OMEGAMON for CICS on z/OS V5.5.0 Program Directory	GI13-2212
IBM OMEGAMON for CICS on z/OS V5.5.0 License Information CD	LC27-4896

IBM OMEGAMON for CICS on z/OS, V5.5.0 product documentation is published on [IBM Knowledge Center](#), which can be viewed from a web browser with internet access.

Services

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, contact your Lab Services Sales or Delivery Leader.

Technical information

Specified operating environment

Hardware requirements

IBM System Automation for z/OS, V4.1 runs in a virtual storage environment on any IBM or non-IBM system configuration with sufficient storage to support the IBM z™/OS operating system. The Processor Operations component supports IBM Z hardware from IBM System z10[®] and higher.

The minimum required hardware and prerequisites for OMEGAMON for z/OS, V5.5.0, OMEGAMON for CICS V5.5.0, OMEGAMON for Messaging V7.5.0, OMEGAMON for IMS V5.5.0, OMEGAMON for Networks V5.5.0, and OMEGAMON Dashboard Edition V5.5.0 are:

- IBM Z z10[™], or later, capable of running IBM z/OS V2.1 (5650-ZOS), or later.

Other products that are part of Service Management Suite for z/OS, V1.5.0, OMEGAMON Performance Management Suite for z/OS, V5.5.0, and OMEGAMON for z/OS Management Suite, V5.5.0 may have different minimum hardware and software prerequisites. Refer to the [Reference information](#) section for a link to the individual announcements for each product. The "Hardware requirements" section in each announcement will give detailed information for each product.

Software requirements

IBM System Automation for z/OS, V4.1 runs as an application on the IBM z/ OS operating system. Programming requirements for all functions:

- IBM z/OS V2.1, or later
- IBM Tivoli NetView for z/OS (5697-NV6), V6.2.1
- Other optional functional programming requirements

For additional information, refer to the *Program Directory* (or *Planning and Installation* manual).

For additional information, refer to the [Reference information](#) section for links to the individual announcements for each product. The "Software requirements" section in each announcement gives detailed information for each product.

The minimum software prerequisites for OMEGAMON for z/OS, V5.5.0, OMEGAMON for CICS V5.5.0, OMEGAMON for Messaging V7.5.0, OMEGAMON for IMS V5.5.0, OMEGAMON for Networks V5.5.0, and OMEGAMON Dashboard Edition V5.5.0 are:

- IBM z/OS V2.1 (5650-ZOS), or later.

- IBM Tivoli Monitoring for z/OS, V6.3.0 Fixpack 6, or later.

For additional information, refer to the *Program Directory (or Planning and Installation manual)*.

Other products that are part of Service Management Suite for z/OS, V1.5.0, OMEGAMON Performance Management Suite for z/OS, V5.5.0, and OMEGAMON for z/OS Management Suite, V5.5.0 may have different minimum hardware and software prerequisites. Refer to the [Reference information](#) section for a link to the individual announcements for each product. The "Software requirements" section in each announcement will give detailed information for each product.

OMEGAMON for CICS V5.5.0:

- Support is provided for the following software:
 - IBM CICS Transaction Server for z/OS, V5.1, V5.2, V5.3, V5.4
 - IBM CICS Transaction Gateway for z/OS, V9.0, V9.1, V9.2

OMEGAMON for IMS V5.5.0:

- Support is provided for the following software:
 - IBM IMS V12.1, V13.1, V14.1

OMEGAMON for Messaging V7.5.0:

- Support is provided for the following software:
 - IBM WebSphere MQ for z/OS, V7.1
 - IBM MQ for z/OS, V8.0, V9.0
 - IBM Integration Bus for z/OS, V9.0, V10.0

Planning information

Packaging

The programs in this announcement are distributed with:

- International Program License Agreement (Z125-3301)
- License Information document
- Publications (refer to the [Publications](#) section)
- 3590 tape

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, which will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Direct customer support

For technical support or assistance, contact your IBM representative or go to the [IBM Support Portal](#) website.

Security, auditability, and control

The programs in this announcement use the security and auditability features of the operating system software.

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

Ordering information

The programs in this announcement all have Value Unit-Based pricing.

Program number	Program name	Value Unit Exhibit
5698-AAF	IBM Service Management Suite for z/OS	VUE007
5698-AA8	IBM OMEGAMON Performance Management Suite for z/OS	VUE007
5698-TOM	IBM OMEGAMON for z/OS Management Suite	VUE007
5698-B23	IBM OMEGAMON for Messaging on z/OS	VUE007
5698-T07	IBM OMEGAMON for CICS on z/OS	VUE007
5698-T02	IBM OMEGAMON for IMS on z/OS	VUE007
5698-T01	IBM OMEGAMON for z/OS	VUE007
5698-T06	IBM OMEGAMON Dashboard Edition on z/OS	VUE007
5698-T03	IBM OMEGAMON for Networks on z/OS	VUE007
5698-SA4	IBM System Automation for z/OS	VUE020

For each IBM 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 IBM 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	+	0.20

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 IBM Z IPLA product, the applicable Value Units would be:

Tier	MSUs	Multiplied by Value Units per MSU	Equal 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.

Value Unit Exhibit VUE020

Level	Minimum	Maximum	Value Units/MSU
Base	1	3	1
Tier A	4	45	0.15
Tier B	46	175	0.08
Tier C	176	315	0.04
Tier D	316	+	0.03

Ordering z/OS through the internet

Shopz 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). Shopz is available in the US and several countries in Europe. In countries where Shopz 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 [Shopz](#).

Charge metric

Program name	Program number	Charge metric
IBM Service Management Suite for z/OS, V1.5.0	5698-AAF	Value Unit
IBM OMEGAMON Performance Management Suite for z/OS	5698-AA8	Value Unit
IBM OMEGAMON for z/OS Management Suite	5698-TOM	Value Unit
IBM OMEGAMON for Messaging on z/OS	5698-B23	Value Unit
IBM OMEGAMON for CICS on z/OS	5698-T07	Value Unit
IBM OMEGAMON for IMS on z/OS	5698-T02	Value Unit
IBM OMEGAMON for z/OS	5698-T01	Value Unit
IBM OMEGAMON Dashboard Edition on z/OS	5698-T06	Value Unit
IBM OMEGAMON for Networks on z/OS	5698-T03	Value Unit

Basic license

On/Off CoD

The products in this announcement are eligible for On/Off Capacity on Demand (CoD) with a temporary use charge calculated based on MSUs per-day usage.

Translation from MSUs to Value Units

	MSUs	Value Units/MSU
Base	1-3	1.00
Tier A	4-45	.45
Tier B	46-175	.36
Tier C	176-315	.27
Tier D	316+	.20

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.

The following product entitlement identifiers and orderable supply IDs are not new, and are listed for ordering reference.

Program name: IBM Service Management Suite for z/OS, V1.5.0

Program PID: 5698-AAF

Entitlement identifier	Description	License option/Pricing metric	
S017J24	Service Mgmt Suite zOS	Basic OTC, per Value Unit MultiVersion Measurement No Charge	
		Basic OTC, per MSU-day TUC	
Orderable supply ID	Description	Language	Distribution medium
S017JC6	IBM Service Management Suite for z/OS	Japanese	Tape cartridge
S017JC7	IBM Service Management Suite for z/OS	English US	Tape cartridge
S017V3L	SMSz System Automation	English US	Tape cartridge
S017V3M	SMSz System Automation	Japanese	Tape cartridge
S017V3N	SMSz OMEGAMON for CICS	English US	Tape cartridge
S017V3P	SMSz OMEGAMON for DB2 PE	English US	Tape cartridge
S017V3R	SMSz OMEGAMON for WR	English US	Tape cartridge
S017V3S	SMSz NetView	Japanese	Tape cartridge
S017V3T	SMSz OMEGAMON for Messaging	English US	Tape cartridge
S017V3V	SMSz OMEGAMON for IMS	English US	Tape cartridge
S017V3W	SMSz OMEGAMON for Storage	English US	Tape cartridge
S017V3X	SMSz OMEGAMON for z/OS	English US	Tape cartridge
S017V3Z	SMSz OMEGAMON Dashboard Edition	English US	Tape cartridge
S017V40	SMSz TADz	English US	Tape cartridge
S017V41	SMSz OMEGAMON XE for Mainframe Networks	English US	Tape cartridge
S017V42	SMSz NetView	English US	Tape cartridge
S017ZBC	SMSz OMEGAMON JVM MONITOR	English US	Tape cartridge

Program name: IBM OMEGAMON Performance Management Suite for z/OS

Program PID: 5698-AA8

Entitlement identifier	Description	License option/Pricing metric	
S017D15	OMEGAMON Perf Mgmt Ste	Basic OTC, per Value Unit MultiVersion Measurement No Charge	
		Basic OTC, per MSU-day TUC	

Orderable supply ID	Description	Language	Distribution medium
S017D14	IBM OMEGAMON Performance Management Suite	Multilingual	Tape cartridge
S017V2S	Perf Mgmt Suite OMEGAMON for IMS	Multilingual	Tape cartridge
S017V2T	Perf Mgmt Suite OMEGAMON for CICS	Multilingual	Tape cartridge
S017V2V	Perf Mgmt Suite OMEGAMON DB2 PE	Multilingual	Tape cartridge
S017V2X	Perf Mgmt Suite ITCAM for WR	Multilingual	Tape cartridge
S017V2Z	Perf Mgmt Suite OMEGAMON for Messaging	Multilingual	Tape cartridge
S017V30	Perf Mgmt Suite OMEGAMON Dashboard Edition	Multilingual	Tape cartridge
S017V31	Perf Mgmt Suite OMEGAMON for Networks	Multilingual	Tape cartridge
S017V32	Perf Mgmt Suite OMEGAMON for Storage	Multilingual	Tape cartridge
S017V33	Perf Mgmt Suite OMEGAMON for z/OS	Multilingual	Tape cartridge
S017ZBH	Perf Mgmt Ste OMEG JVM MON	Multilingual	Tape cartridge

Program name: IBM OMEGAMON for z/OS Management Suite, V5.5.0

Program PID: 5698-TOM

Entitlement identifier	Description	License option/Pricing metric
S0173DS	OMEGAMON zOS Mgmt Suite	Basic OTC, per Value Unit
		MultiVersion Measurement No Charge
		Basic OTC, per MSU-day TUC

Orderable supply ID	Description	Language	Distribution medium
S0173DT	IBM OMEGAMON for zOS Management Suite	Multilingual	Tape cartridge
S017V29	OMEGAMON Mgmt Ste OM DE	Multilingual	Tape cartridge
S017V2B	OMEGAMON Mgmt Ste OM MfN	Multilingual	Tape cartridge
S017V2C	OMEGAMON Mgmt Ste OM Storage	Multilingual	Tape cartridge
S017V2D	OMEGAMON Mgmt Ste OM z/OS	Multilingual	Tape cartridge
S017ZBF	OMEGAMON Mgmt Ste OM JVM	Multilingual	Tape cartridge

Program name: IBM OMEGAMON for Messaging on z/OS , V7.5.0

Program PID: 5698-B23

Entitlement identifier	Description	License option/Pricing metric	
S0152PK	OMEGAMON for Messaging	Basic OTC, per Value Unit MultiVersion Measurement No Charge	
		Basic OTC, per MSU-day TUC	
Orderable supply ID	Description	Language	Distribution medium
S016685	IBM OMEGAMON for Messaging	Multilingual	Tape cartridge

Program name: IBM OMEGAMON for CICS on z/OS , V5.5.0

Program PID: 5698-T07

Entitlement identifier	Description	License option/Pricing metric	
S016ZVN	IBM OMEGAMON CICS V5	Basic OTC, per Value Unit MultiVersion Measurement No Charge	
		Basic OTC, per MSU-day TUC	
Orderable supply ID	Description	Language	Distribution medium
S016ZVP	IBM OMEGAMON for CICS on z/OS	Multilingual	Tape cartridge

Program name: IBM OMEGAMON for IMS on z/OS , V5.5.0

Program PID: 5698-T02

Entitlement identifier	Description	License option/Pricing metric	
S0172RM	IBM OMEGAMON IMS V5	Basic OTC, per Value Unit MultiVersion Measurement No Charge	
		Basic OTC, per MSU-day TUC	
Orderable supply ID	Description	Language	Distribution medium
S0172RN	IBM OMEGAMON for IMS on z/OS	Multilingual	Tape cartridge

Program name: IBM OMEGAMON for z/OS , V5.5.0

Program PID: 5698-T01

Entitlement identifier	Description	License option/Pricing metric	
S016ZVS	IBM OMEGAMON z/OS V5	Basic OTC, per Value Unit MultiVersion Measurement No Charge	
		Basic OTC, per MSU-day TUC	
Orderable supply ID	Description	Language	Distribution medium
S016ZVT	IBM OMEGAMON on z/OS	Multilingual	Tape cartridge

Program name: IBM OMEGAMON Dashboard Edition on z/OS, V5.5.0

Program PID: 5698-T06

Entitlement identifier	Description	License option/Pricing metric	
S016ZVW	IBM OMEGAMON DE z/OS V5	Basic OTC, per Value Unit	
		MultiVersion Measurement No Charge	
		Basic OTC, per MSU-day TUC	
Orderable supply ID	Description	Language	Distribution medium
S016ZVX	IBM OMEGAMON DE on z/OS	Multilingual	Tape cartridge

Program name: IBM OMEGAMON for Networks on z/OS, V5.5.0

Program PID: 5698-T03

Entitlement identifier	Description	License option/Pricing metric	
S0173DL	IBM OMEGAMON for Networks V5	Basic OTC, per Value Unit	
		MultiVersion Measurement No Charge	
		Basic OTC, per MSU-day TUC	
Orderable supply ID	Description	Language	Distribution medium
S0173DM	IBM OMEGAMON for Networks on z/OS	English US	Tape cartridge

Subscription and Support PID: 5698-AAG

Entitlement identifier	Description	License option/Pricing metric	
S017J27	Service Mgmt Suite zOS S&S	Basic ASC, per Value Unit	
		SW S&S No charge, decline	
		SW S&S Per MSU SW S&S registration	
		MultiVersion Measurement S&S No Charge	
Orderable supply ID	Description	Language	Distribution medium
S017JC8	IBM Service Management Suite for z/OS S&S	Japanese	Hardcopy publication
S017JC9	IBM Service Management Suite for z/OS S&S	English US	Hardcopy publication

Subscription and Support PID: 5698-AA9

Entitlement identifier	Description	License option/Pricing metric	
S017D18	Tiv OMEG Perf Mgmt Ste S&S	Basic ASC, per Value Unit	
		SW S&S No charge, decline	
		SW S&S Per MSU SW S&S registration	
		MultiVersion Measurement S&S No Charge	

Orderable supply ID	Description	Language	Distribution medium
S017D17	IBM OMEGAMON Performance Management Suite S&S	Multilingual	Hardcopy publication

Subscription and Support PID: 5698-Z06

Entitlement identifier	Description	License option/Pricing metric
S016T65	OMEG zOS Mgmt Suite S&S	Basic ASC, per Value Unit
		SW S&S No charge, decline
		SW S&S Per MSU SW S&S registration
		MultiVersion Measurement S&S No Charge

Orderable supply ID	Description	Language	Distribution medium
S016T66	IBM OMEGAMON for zOS Management Suite S&S	Multilingual	Hardcopy publication

Subscription and Support PID: 5608-S83

Entitlement identifier	Description	License option/Pricing metric
S011L20	IBM OMEGAMON W MQ S&S	Basic ASC, per Value Unit
		SW S&S No charge, decline
		SW S&S Per MSU SW S&S registration
		MultiVersion Measurement S&S No Charge

Orderable supply ID	Description	Language	Distribution medium
S011L21	IBM OMEGAMON for WebSphere MQ on z/OS S&S	Multilingual	Hardcopy publication

Subscription and Support PID: 5608-S74

Entitlement identifier	Description	License option/Pricing metric
S011KWH	IBM OMEGAMON CICS S&S	Basic ASC, per Value Unit
		SW S&S No charge, decline
		SW S&S Per MSU SW S&S registration
		MultiVersion Measurement S&S No Charge

Orderable supply ID	Description	Language	Distribution medium
S011KWJ	IBM OMEGAMON for CICS on z/OS S&S	English US	Hardcopy publication

Subscription and Support PID: 5608-S75

Entitlement identifier	Description	License option/Pricing metric
S011KWP	IBM OMEGAMON IMS S&S	Basic ASC, per Value Unit

Entitlement identifier	Description	License option/Pricing metric	
		SW S&S No charge, decline	
		SW S&S Per MSU SW S&S registration	
		MultiVersion Measurement S&S No Charge	
Orderable supply ID	Description	Language	Distribution medium
S011KWR	IBM OMEGAMON for CICS on z/OS S&S	English US	Hardcopy publication

Subscription and Support PID: 5608-S81

Entitlement identifier	Description	License option/Pricing metric	
S011KX1	IBM OMEGAMON z/OS S&S	Basic ASC, per Value Unit	
		SW S&S No charge, decline	
		SW S&S Per MSU SW S&S registration	
		MultiVersion Measurement S&S No Charge	
Entitlement identifier	Description	License option/Pricing metric	
S017ZCF	OMEGAMON Monitoring JVM S&S	Basic ASC, per Value Unit	
		SW S&S No charge, decline	
		SW S&S Per MSU SW S&S registration	
		MultiVersion Measurement S&S No Charge	
Orderable supply ID	Description	Language	Distribution medium
S011KX2	IBM OMEGAMON z/OS S&S	English US	Hardcopy publication

Subscription and Support PID: 5608-S72

Entitlement identifier	Description	License option/Pricing metric	
S011KWT	IBM OMEGAMON DE S&S	Basic ASC, per Value Unit	
		SW S&S No charge, decline	
		SW S&S Per MSU SW S&S registration	
		MultiVersion Measurement S&S No Charge	
Orderable supply ID	Description	Language	Distribution medium
S011KVV	IBM OMEGAMON DE S&S	English US	Hardcopy publication

Subscription and Support PID: 5608-S76

Entitlement identifier	Description	License option/Pricing metric	
S011KWL	IBM OMEGAMON FNW S&S	Basic ASC, per Value Unit	

Entitlement identifier	Description	License option/Pricing metric	
		SW S&S No charge, decline	
		SW S&S Per MSU SW S&S registration	
		MultiVersion Measurement S&S No Charge	
Orderable supply ID	Description	Language	Distribution medium
S011KWM	IBM OMEGAMON for Networks S&S	English US	Hardcopy publication

Customized offerings

Product deliverables are shipped only through CBPDO and ServerPac. These customized offerings are offered for internet delivery in countries where Shopz product ordering is available. Internet delivery reduces software delivery time and allows you to install software without the need to handle tapes. For more details on internet delivery, go to the Help section on the [Shopz](#) website.

You choose the delivery method when you order the software. IBM recommends internet delivery. In addition to internet and DVD, the supported tape delivery options include:

- 3590
- 3592

Most products can be ordered in ServerPac the month following their availability in CBPDO. z/OS can be ordered through CBPDO and ServerPac at general availability. Many products will also be orderable in a Product ServerPac without also having to order the z/OS operating system or subsystem.

Shopz and CFSW will determine the eligibility based on product requisite checking. For more details on the product ServerPac, go to the Help section on the [Shopz](#) website.

For additional information about the Product ServerPac option, refer to Software Announcement [212-272](#), dated July 31, 2012.

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 four weeks after general availability.

Terms and conditions

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^(R) Agreement, and 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 following agreement applies for Software Subscription and Support (Software Maintenance) and does not require customer signatures:

- IBM Agreement for Acquisition of Software Maintenance (Z125-6011)

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

License Information number

Program number	VRM	Program name	Form number
5698-AAF	1.5.0	IBM Service Management Suite for z/OS	GI13-2327-06
5698-AA8	5.5.0	IBM OMEGAMON Performance Management Suite for z/OS	GI13-2300-06
5698-TOM	5.5.0	IBM OMEGAMON for z/OS Management Suite	GI13-2259-06
5698-B23	7.5.0	IBM OMEGAMON for Messaging on z/OS	GI13-2250-02
5698-T07	5.5.0	IBM OMEGAMON for CICS on z/OS	GI13-2213-04
5698-T02	5.5.0	IBM OMEGAMON for IMS on z/OS	GI13-2252-04
5698-T01	5.5.0	IBM OMEGAMON for z/OS	GI13-2208-04
5698-T06	5.5.0	IBM OMEGAMON Dashboard Edition on z/OS	GI13-2211-04
5698-T03	5.5.0	IBM OMEGAMON for Networks on z/OS	GI13-2256-03

See the [License Information documents](#) page on the IBM Software License Agreement website for more information.

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, see the [IBM Software Support Handbook](#).

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

Program technical support

Technical support of a program product version or release will be available for a minimum of five years from the general availability date, as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect.

This technical support allows you to obtain assistance (by telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support (Software Maintenance) also provides you with access to updates (modifications or fixes), releases, and versions of the program. You will be notified, through an announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

For additional information on the IBM Software Support Lifecycle Policy, see the [IBM Software Support Lifecycle Policy](#) website.

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.

Volume orders (IVO)

No

Passport Advantage applies

No

Software Subscription and Support applies

Yes. During the Software Subscription and Support period, for the unmodified portion of a program, and to the extent problems can be recreated in the specified operating environment, IBM will provide the following:

- Defect correction information, a restriction, or a bypass.
- Program updates: Periodic releases of collections of code corrections, fixes, functional enhancements and new versions and releases to the program and documentation.
- Technical assistance: A reasonable amount of remote assistance by telephone or electronically to address suspected program defects. Technical assistance is available from the IBM support center in the organization's geography.

Additional details regarding Technical Assistance, which includes IBM contact information, are provided in the [IBM Software Support Handbook](#).

Software Subscription and Support does not include assistance for:

- The design and development of applications
- Your use of programs in other than their specified operating environment
- Failures caused by products for which IBM is not responsible under the IBM Agreement for Acquisition of Software Maintenance

Software Subscription and Support is provided only if the program is within its support timeframe as specified in the Software Support Lifecycle policy for the program.

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, go to the [Supported product list](#) website.

IBM Operational Support Services - SoftwareXcel

Yes

Variable charges apply

Yes

Educational allowance available

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

Multi-Version Measurement

Multi-Version Measurement (MVM) replaces the previously announced Migration Grace Period time limit of six months and allows unlimited time for clients to run more than one eligible version of a software program. Clients may run multiple versions of a program simultaneously for an unlimited duration during a program version upgrade. Clients may also choose to run multiple versions of a program simultaneously for an unlimited duration in a production environment. MVM does not extend support dates for programs withdrawn from service.

For more information about MVM, including requirements for qualification, see the [MVM](#) web page. For a list of eligible programs, see the [IPLA Execution-Based](#) web page.

Sub-capacity terms and conditions

For each IBM 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 IBM 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 IBM Z IPLA program you selected, refer to the [Ordering information](#) section.

Program number	Program name	Terms
5698-AAF	IBM Service Management Suite for z/OS	z/OS-based
5698-AA8	IBM OMEGAMON Performance Management Suite for z/OS	z/OS-based
5698-TOM	IBM OMEGAMON for z/OS Management Suite	z/OS-based
5698-B23	IBM OMEGAMON for Messaging on z/OS	execution-based
5698-T07	IBM OMEGAMON for CICS on z/OS	reference-based
5698-T02	IBM OMEGAMON for IMS on z/OS	reference-based
5698-T01	IBM OMEGAMON for z/OS	z/OS-based
5698-T06	IBM OMEGAMON Dashboard Edition on z/OS	z/OS-based
5698-T03	IBM OMEGAMON for Networks on z/OS	z/OS-based

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 an IBM Z IPLA program with these terms equals the MSU-rated capacity of the machines where the IBM Z IPLA program executes.

IBM full-capacity ratings that can be found on the Mainframe Exhibits section of the [IBM Z \(z Systems™ Software Contracts\)](#) website.

Reference based: The required license capacity of an IBM 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 an IBM Z IPLA sub-capacity program with these terms equals the capacity of the LPARs where the IBM Z IPLA program executes.

z/OS based: The required license capacity of an IBM Z IPLA program with these terms equals the license capacity of z/OS on the machines where the IBM Z IPLA program executes.

Reference based: The required license capacity of an IBM 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 an IBM Z IPLA program with full machine based terms equals the MSU-rated capacity of the machines where the IBM Z IPLA program executes.

For more information on mainframe MSU-rated capacities, refer to the IBM z Systems™ Machines Exhibit (Z125-3901) or refer to the Mainframe Exhibits section of the [IBM Z \(z Systems Software Contracts\)](#) website.

For additional information for products with reference-based terms, IBM 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 IBM Z IPLA program executes.

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

When an IBM Z IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the IBM Z IPLA program must equal with the license capacity of the parent program across the Parallel Sysplex. Qualified Parallel Sysplex refers to one where MLC pricing is aggregated across the sysplex.

Sub-capacity eligibility

To be eligible for sub-capacity charging on select IBM 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 IBM Z (or equivalent). On that machine:

- All instances of the OS/390^(R) 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^(R) (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, refer to the [IBM Z \(z Systems Software Pricing\)](#) website.

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 z Systems Workload License Charges(Z125-6516).
- The complete terms and conditions for sub-capacity EWLC are defined in the IBM Customer Agreement - Attachment for EWLC, TWLC, zELC, and z/OS.e 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 Amendment for IBM Z (z Systems Programs Sub-Capacity Pricing)(Z125-6929). Once the amendment is signed, the terms in the amendment replace any and all previous IBM Z IPLA sub-capacity terms and conditions.

Sub-capacity utilization determination

Sub-capacity utilization is determined based on the utilization of an eligible operating system and machine, for example, z/OS running in z/Architecture (64 bit) mode on an IBM Z, or equivalent, server.

Sub-capacity utilization is determined based on the product's own execution as reported to IBM in accordance with the requirements for reporting sub-capacity utilization for products.

On/Off CoD

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 IBM z Systems On/Off Capacity on Demand (Z125-7883), must be signed prior to use.

Statement of good security practices

IT system security involves protecting systems and information through intrusion prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a regulatory compliant, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

Important: IBM does not warrant that any systems, products, or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.

Prices

Registered external customers and IBM Business Partners can access IBMLink for charges. Refer to [Purchase/upgrade tools](#) on the IBMlink website.

For software prices, select "Look up IBM System z software prices (ESWPrice)" under "Prices." Specify "Price type," "Search type," and "Search value," then click "Search."

Note: Enter program number in the "Search value."

You can also contact your local IBM representative or IBM Business Partner for the applicable charges.

Variable charges: The applicable processor-based one-time charge will be based on the group of the designated machine on which the program is licensed for use. If the program is designated to a processor in a group for which no charge is listed, the charge of the next higher group listed applies. For movement to a machine in a higher group, an upgrade charge equal to the difference in the then-current charges between the two groups will apply. For movement to a machine in a lower group, there will be no adjustment or refund of charges paid.

IBM Global Financing

IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or go to the [IBM Global Financing](#) website for more information.

IBM Global Financing offerings are provided through IBM Credit LLC in the United States, and other IBM subsidiaries and divisions worldwide to qualified commercial and government customers. Rates are based on a customer's credit rating, financing terms, offering type, equipment type, and options, and may vary by country. Other restrictions may apply. Rates and offerings are subject to change, extension, or withdrawal without notice.

Financing from IBM Global Financing helps you preserve cash and credit lines, enables more technology acquisition within current budget limits, permits accelerated implementation of economically attractive new technologies, offers payment and term flexibility, and can help match project costs to projected benefits. Financing is available worldwide for credit-qualified customers.

Order now

To order, contact your Americas Call Centers, local IBM representative, or your IBM Business Partner. To identify your local IBM representative or IBM Business Partner call 800-IBM-4YOU (426-4968). For more information, contact the Americas Call Centers.

Phone: 800-IBM-CALL (426-2255)

Fax: 800-2IBM-FAX (242-6329)

For IBM representative: callserv@ca.ibm.com

For IBM Business Partner: pwcs@us.ibm.com

Mail:

IBM Teleweb Customer Support
ibm.com^(R) Sales Execution Center, Americas North
3500 Steeles Ave. East, Tower 3/4
Markham, Ontario
Canada L3R 2Z1

Reference:

The Americas Call Centers, our national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

Note: Shipments will begin after the planned availability date.

Trademarks

IMS, z Systems, IBM z, Geographically Dispersed Parallel Sysplex, IBM UrbanCode, RMF, z10 and IBM z Systems are trademarks of IBM Corporation in the United States, other countries, or both.

IBM, z/OS, OMEGAMON, CICS, Tivoli, NetView, DB2, WebSphere, Passport Advantage, z/Architecture, Parallel Sysplex, GDPS, System z, VTAM, System z10, OS/390 and ibm.com are registered trademarks of IBM Corporation in the United States, other countries, or both.

Oracle and Java are trademarks of Oracle and/or its affiliates in the United States, other countries, or both.

Other company, product, and service names may be trademarks or service marks of others.

Terms of use

IBM products and services which are announced and available in your country can be ordered under the applicable standard agreements, terms, conditions, and prices in effect at the time. IBM reserves the right to modify or withdraw this announcement at any time without notice. This announcement is provided for your information only. Additional terms of use are located on

[Terms of use](#)

For the most current information regarding IBM products, consult your IBM representative or reseller, or visit the [IBM worldwide contacts page](#)

[IBM United States](#)