IBM z/OS Management Facility V1.11 -- A new face for z/OS

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At a glance

The IBM® z/OS® Management Facility (z/OSMF) V1.11 (5655-S28) is a new product for z/OS that provides support for a modern, Web-browser-based management console for z/OS. This initial release of z/OS Management Facility provides:

• An Incident Log capability to help facilitate problem data management tasks
• A Configuration Assistant for z/OS Communications Server to help configure TCP/IP networking policies
• Automated tasks to help reduce the learning curve for new or inexperienced users
• Procedural updates intended to improve productivity of experienced systems programmers
• Embedded active user assistance (such as wizards) to help guide users through tasks and help provide simplified operations
• Function that can dramatically reduce the amount of time needed for required tasks
• Improved economics, with portions of z/OS Management Facility workload eligible for the System z® Integrated Information Processor (zIIP) and the IBM System z Application Assist Processor (zAAP)

Overview

The IBM z/OS Management Facility V1.11 (5655-S28) is a new product for z/OS that provides support for a modern, Web-browser-based management console for z/OS. The z/OS Management Facility is intended to enable system programmers to more easily manage and administer a mainframe system by simplifying day-to-day operations and administration of a z/OS system. More than just a graphical user interface, the z/OS Management Facility is intelligent, with designs toward addressing the needs of a diversified skilled workforce and maximizing their productivity. Automated tasks can help reduce the learning curve and improve productivity. In addition, embedded active user assistance (such as wizards) guides users through tasks and helps provide simplified operations. IBM z/OS Management Facility V1.11 (5655-S28) and IBM z/OS Management Facility Subscription and Support (5655-S29) are available at no charge.

The initial release of the z/OS Management Facility provides the foundation for platform simplification. Existing user interfaces such as ISPF, operator commands,
and others will continue to be supported and coexist with the z/OS Management Facility.

A large portion of the z/OS Management Facility application is written in Java™, and therefore, is eligible for the System z Application Assist Processor (zAAP). In addition, portions of z/OS Management Facility workload are planned to be eligible for the IBM System z Integrated Information Processor (zIIP) as well. Some functions in z/OS Management Facility use the Common Information Model (CIM) set of industry standards to communicate with z/OS subsystems and starting with z/OS V1.11, the z/OS CIM server processing is eligible to run on the zIIP.

### Key prerequisites

z/OS V1.10 (5694-A01), or higher

### Planned availability date

September 25, 2009

Availability of programs with encryption algorithm in France is subject to French government approval.

Cryptography in this product is limited to password encryption, authentication, or digital signature.

### Description

The IBM z/OS Management Facility V1.11 (5655-S28) is a new product for z/OS that provides support for a modern, Web-browser-based management console for z/OS. The z/OS Management Facility is intended to enable system programmers to more easily manage and administer a mainframe system by simplifying day-to-day operations and administration of a z/OS system. More than just a graphical user interface, the z/OS Management Facility is intelligent, with designs toward addressing the needs of a diversified skilled workforce and maximizing their productivity. Automated tasks can help reduce the learning curve and improve productivity. In addition, embedded active user assistance (such as wizards) guides users through tasks and helps provide simplified operations. IBM z/OS Management Facility V1.11 (5655-S28) and IBM z/OS Management Facility Subscription and Support (5655-S29) are available at no charge.

This initial release of the z/OS Management Facility provides the foundation for platform simplification. Existing user interfaces such as ISPF, operator commands, and others will continue to be supported and coexist with the z/OS Management Facility.

### Problem data management

When problems occur, the task of gathering diagnostic data to be sent to IBM or another vendor's support team can be very time-consuming. You need to reduce risk to the business and get to the root of the problem quickly.

The z/OS Management Facility Incident Log capability is intended to facilitate problem data management tasks for new or less-skilled system programmers and system administrators. It can also provide procedural advantages for the experienced system programmer by providing an event log summary and detailed view of z/OS incidents.

The initial focus of an incident is on abend and user-initiated SVC dumps. An intuitive task-oriented user interface will:
• Auto-capture system diagnostic materials (operlog, logrec, logrec summary report)
• Allow the captured diagnostic materials to be transferred via FTP to IBM, or an ISV, without having to keep track of where logs are archived
• Provide an easier way to request that a dump be taken for a suppressed dump when it is generated within the specified symptom string

The z/OS Management Facility Incident Log capability can mean fewer errors while obtaining, aggregating, and sending data to IBM, or an ISV, and can result in faster diagnosis and higher system availability.

TCP/IP network policy-based configuration

Configuring a network can be complex. The process involves multiple tasks, the configuration syntax can be complicated and error-prone, and it is often difficult to assess how configuration changes impact the network.

The z/OS Management Facility V1.11 Configuration Assistant for z/OS Communications Server provides assistance in configuring TCP/IP networking policies and can help dramatically reduce the amount of time required to create network configuration files. Configuration assistance is provided for the following policy-based network technologies:

• Application Transparent - Transport Layer Security
• IP Security
• Intrusion Detection Services
• Network Security Services
• Quality of Service
• Policy Based Routing
• Defense Manager Daemon

For each of these technologies, step by step tasks are provided, complete with setup for RACF® security, started procedures, and Policy Agent configuration. Health checks are provided to ensure the consistency and accuracy of policy definitions.

The Configuration Assistant for z/OS Communications Server is also available as an as-is, nonwarranted, Windows-based tool that is downloadable from the Web. The Windows-based Configuration Assistant and the z/OS Management Facility-based Configuration Assistant are planned to coexist concurrently for the near future. New functions and enhancements for the Configuration Assistant will be integrated into z/OS Management Facility, but may not be provided in the Windows-based Configuration Assistant.

Economics

A large portion of the z/OS Management Facility application is written in Java, and therefore, is eligible for the System z Application Assist Processor (zAAP). In addition, portions of z/OS Management Facility workload are planned to be eligible for IBM System z Integrated Information Processor (zIIP) as well. Some functions in z/OS Management Facility use the Common Information Model (CIM) set of industry standards to communicate with z/OS subsystems and starting with z/OS V1.11, the z/OS CIM server processing is eligible to run on the zIIP.

Note: Additional System z optimization may be realized from a new z/OS capability. z/OS V1.11 is enhanced with a new capability that can enable System z Application Assist Processor (zAAP) eligible workloads to run on System z Integrated Information Processors (zIIPs). This function is planned to allow you to run zIIP- and zAAP-eligible workloads on only one type of specialty engine -- the zIIP. The zAAP on zIIP capability is not available if z/OS is operating in an LPAR and zAAPs are installed on the server. See Software Announcement ZP09-0277, dated August 18, 2009.
Installation

The initial release of the IBM z/OS Management Facility is planned to be available September 25, 2009 in CBPDO, ServerPac, and SystemPac®. When ordering z/OSMF in a ServerPac or SystemPac, postinstallation customization steps create and verify a default instance of z/OSMF. This is intended to allow z/OSMF to be started and be ready to use when z/OS V1.11 is started. If you install z/OSMF using CBPDO, the planning section in the user’s guide and the setup scripts included in the product can help simplify end-end configuration and verification. System setup is performed for all of the z/OS components required.

Prerequisites

System z prerequisites for z/OS Management Facility V1.11 include:

• z/OS V1.10 with PTFs, or z/OS V1.11, when available, or a later release.

   Note: Required PTFs for z/OS Management Facility are documented in the Program Directory.

• The Configuration Assistant for z/OS Communications Server requires z/OS V1.11.

You can get service and support for z/OS Management Facility by ordering IBM z/OS Management Facility Service and Subscription (5655-S29).

Client machine requirements include:

• Windows® XP operating system

• Supported browsers:
  – Mozilla Firefox 3.0.6 (recommended)
  – Mozilla Firefox 2
  – Internet Explorer 7
  – Internet Explorer 6

The z/OS Management Facility is entirely browser-based. No client application or install is required.

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on the product’s accessibility compliance can be requested via IBM’s Web site at


Value Unit-based pricing

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**

In October 2006, IBM announced it was investing $100 million in System z platform simplification over the next few years. The z/OS Management Facility represents a major deliverable of this investment. The IBM z/OS Management Facility V1.11 provides support for a modern, Web-browser-based management console for z/OS.

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**Reference information**

Software Announcement **ZP09-0277**, dated August 18, 2009 (**z/OS V1.11 -- Smart, adaptive, trusted, efficient**)

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**Product identification number**

<table>
<thead>
<tr>
<th>Program PID number</th>
<th>Software Subscription and Annual Support PID number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5655-S28</td>
<td>5655-S29</td>
</tr>
</tbody>
</table>

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**Program number**

<table>
<thead>
<tr>
<th>Program name</th>
<th>Program number</th>
</tr>
</thead>
<tbody>
<tr>
<td>z/OS Management Facility V1.11</td>
<td>5655-S28</td>
</tr>
<tr>
<td>z/OS Management Facility V1.1 Subscription and Support</td>
<td>5655-S29</td>
</tr>
</tbody>
</table>
Offering Information

Product information is available via the Offering Information Web site

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

Publications

The following publications are supplied automatically with the basic machine-readable material:

<table>
<thead>
<tr>
<th>Title</th>
<th>Order number</th>
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</thead>
<tbody>
<tr>
<td>Program Directory</td>
<td>GI11-4327</td>
</tr>
<tr>
<td>Program Directory</td>
<td>GI11-2886</td>
</tr>
<tr>
<td>License Information Document</td>
<td>GC52-1263</td>
</tr>
</tbody>
</table>

The following additional product publications will be available upon product general availability:


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 50 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.

Technical information

Specified operating environment

Hardware requirements

IBM z/OS Management Facility V1.11 will run on these IBM System z servers:

- z10 BC
- z10 EC
- z9™ BC
- z9 EC
- z900
- z990
- z800
- z890

Software requirements

- z/OS V1.10 (5694-A01), or higher

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.

Global Technology Services

Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings, for the efficient installation, implementation, or integration of this product.

Ordering information

z/OS Management Facility V1.11 (5655-S28) and z/OS Management Facility V1 Subscription and Support (5655-S29) are announced with a charge metric of Value Unit pricing based on MSUs. However, both the license for z/OS Management Facility V1.11 (5655-S28) and the Subscription and Support (5655-S29) are offered at no charge.

Consult your IBM representative.

Charge metric

<table>
<thead>
<tr>
<th>Program name</th>
<th>Part number or PID number</th>
<th>Charge metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>z/OS Management Facility V1.11</td>
<td>5655-S28</td>
<td>Per Value Unit</td>
</tr>
</tbody>
</table>

Program number Program name Value Unit exhibit

5655-S28 z/OS Management Facility V1.11 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

<table>
<thead>
<tr>
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<th>MSUs minimum</th>
<th>MSUs maximum</th>
<th>Value Units/MSU</th>
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<tbody>
<tr>
<td>Base</td>
<td>1</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Tier A</td>
<td>4</td>
<td>45</td>
<td>0.45</td>
</tr>
<tr>
<td>Tier B</td>
<td>46</td>
<td>175</td>
<td>0.36</td>
</tr>
<tr>
<td>Tier C</td>
<td>176</td>
<td>315</td>
<td>0.27</td>
</tr>
<tr>
<td>Tier D</td>
<td>316</td>
<td>+</td>
<td>0.2</td>
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</table>

Value Units for mainframes without MSU ratings:

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Value Units/Machine</th>
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</thead>
<tbody>
<tr>
<td>MP3000 H30</td>
<td>6</td>
</tr>
<tr>
<td>MP3000 H50</td>
<td>8</td>
</tr>
<tr>
<td>MP3000 H70</td>
<td>12</td>
</tr>
<tr>
<td>ESL models</td>
<td>2</td>
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</table>
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

<table>
<thead>
<tr>
<th>MSUs</th>
<th>Value Units/MSU</th>
<th>Value Units</th>
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</thead>
<tbody>
<tr>
<td>Base</td>
<td>3 * 1.00</td>
<td>3.00</td>
</tr>
<tr>
<td>Tier A</td>
<td>42 * .45</td>
<td>18.90</td>
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<tr>
<td>Tier B</td>
<td>130 * .36</td>
<td>46.80</td>
</tr>
<tr>
<td>Tier C</td>
<td>140 * .27</td>
<td>37.80</td>
</tr>
<tr>
<td>Tier D</td>
<td>1,185 * .20</td>
<td>237.00</td>
</tr>
</tbody>
</table>

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 Management Facility 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 the current release of z/OS. Additional products can also be added to your order, and the system will help you make sure all products' 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


Ordering the z/OS Management Facility Subscription and Support

Contact your IBM representative or your IBM Business Partner to order z/OS Management Facility V1.11 Subscription and Support (5655-S29).

Program name: z/OS Management Facility V1.11
Program PID: 5655-S28

<table>
<thead>
<tr>
<th>Entitlement identifier</th>
<th>Description</th>
<th>License option/ Pricing metric</th>
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<tbody>
<tr>
<td>S014P46</td>
<td>z/OS Management Facility</td>
<td>Basic OTC, per Value Unit</td>
</tr>
</tbody>
</table>

Orderable supply ID Language Distribution medium

| S014P29 | English | media |

Subscription and Support PID: 5655-S29

<table>
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<tr>
<th>Entitlement identifier</th>
<th>Description</th>
<th>License option/ Pricing metric</th>
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<tr>
<td>S014P48</td>
<td>z/OS Management Facility S&amp;S</td>
<td>Basic MSC, per Value Unit S&amp;S</td>
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</table>

No charge, decline SW S&S

Orderable supply ID Language Distribution medium

| S014P2D | English | Hardcopy Pub |

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**Subscription and Support**

To receive support for suspected defects from the support center and future releases and versions at no additional charge, z/OS Management Facility V1.11 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 (5655-S29) 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). z/OS Management Facility V1.11 Subscription and Support (5655-S29):

- Includes and extends the support services provided in the base support to include support for suspected defects.
- 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**

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, 3592*
- ServerPacs -- 3480, 3480 Compressed, 3490E, 3590, 3592*
- SystemPacs -- 3480, 3480 Compressed, 3490E, 3590, 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.

**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® Agreement, and IBM Agreement for Acquisition of Software Maintenance.

**Licensing**
IBM International License Agreement for Non-Warranted Programs

**License Information form number**
GC52-1263-00

The program’s License Information will be available for review on the IBM Software License Agreement Web site


**Limited warranty applies**
No

**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

**System i Software Maintenance applies**

No

**Variable charges apply**

No

**Educational allowance available**

Yes. When ordering through the program number process, a 15% education allowance applies to qualified education institution customers.

Education Software Allowance Program applies when ordering through the program number process.

**ESAP available**

Yes, to qualified customers.

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**Prices**

Contact your local IBM representative for the applicable charges.

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**Announcement countries**

All European, Middle Eastern, and African countries, except Iran, Sudan, and Syria.

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http://www.ibm.com/planetwide/

**Corrections**

*(Corrected on September 22, 2009)*

Information regarding charges was clarified.