IBM z/OS.e V1.4 and z/OS.e 1.5 — Brings Affordability to Enterprise and e-business Applications

Overview

z/OS™.e is a specially priced offering of z/OS that provides select function at an attractive price. It is designed to help you exploit the fast growing world of next-generation e-business by making the deployment of new application workloads on the IBM @server zSeries 800 (z800) server competitively priced. This offering brings new levels of affordability to enterprise and e-business applications while capitalizing on the capabilities of zSeries technology.

z/OS.e V1.4 has functionality that is required by many popular applications. Here are a few examples:

More Ease-of-Use through IBM Project eLiza Technologies to:

- Self-optimize Parallel Sysplex® performance with Workload Manager (WLM) balancing of batch initiators across systems in a sysplex
- Achieve more granular performance reporting with better self-optimization of WebSphere® Application Server
- Ease system setup and help you quickly and easily enable functions with self-configuring advances and exploitation enhancements to the msys for Setup framework
- Add more self-configuring capability with new wizard offerings for z/OS Intelligent Resource Director and the IBM @server Security Planner
- Help avoid outages with msys for Operations, an IBM @server advanced self-healing and self-managing technology

z/OS.e provides more tools to manage your e-business. These tools:

- Increase scalability and simplify configuration, renumbering support, and application compatibility with new Internet Protocol V6 (IPv6) support
- Enable clock synchronization between clients and servers with a new TCP/IP daemon supporting the Simple Network Time Protocol (SNTP)
- Allow SDK for z/OS, Java™ 2 Technology Edition, V1.4 product to implement short-lived, fast, transactional applications

Application flexibility is critical when handling new workloads. z/OS.e can decompose or compose code that comes from another code page using Unicode Normalization Service.

Key Prerequisites

z/OS.e V1.4 runs only on the zSeries 800 2066 or comparable non-IBM server. z/OS.e must execute in z/Architecture (64-bit) mode.

For a complete description of z/OS.e V1.4 software prerequisites, refer to the z/OS and z/OS.e Planning for Installation (GA22-7504) publication which is available on the Web:

http://www.ibm.com/servers/eserver/zseries/zose/bkserv

At a Glance

z/OS.e V1.4 offers:
- Self-optimizing capabilities
- Easier system setup
- New wizards
- Simpler configuration

z/OS.e:
- Has the same code base as the z/OS operating system, customized with new system parameters
- Adheres to the same release cycle, and the same migration, fallback, service, and coexistence policies
- Has the same qualities of service

Planned Availability Date

September 27, 2002

For ordering, contact:
Your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL

Reference: LE001

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: http://www.ibm.com.
Delivers Select Function of z/OS at an Attractive Price

z/OS.e has the same code base as z/OS, customized with new system parameters. To learn about what z/OS V1.4 offers, refer to Software Announcement 202-190, dated August 13, 2002.

z/OS.e can help you exploit the fast-growing world of new next-generation workloads and deploy your e-business applications on one of the most robust platforms in the world at a competitive cost. This program is ideal if you like the qualities of service of the mainframe and have considered running more applications on the z/OS platform. This cost-effectiveness lets you harness some of the functional robustness of z/OS and use it to enhance e-business solutions.

When IPLed, z/OS.e V1.4 invokes an operating environment that is for new e-business transaction processing or database serving workloads. It disables those traditional workloads that are already cost competitive. z/OS.e will not execute CICS®, IMS™, COBOL, or FORTRAN applications. However, precompiled COBOL DB2® stored procedures, and other precompiled applications using the Language Environment® pre-initialization interface (CEEPIPI) are supported. You may not use the following compilers: COBOL, PL/I, VisualAge® PL/I, and FORTRAN. However, z/OS.e supports execution of precompiled PL/I and VisualAge PL/I applications. For z/OS.e, and for IBM programs in general, only supported IBM programs are licensed to run on z/OS.e. Refer to the minimum releases of IBM software products that run with z/OS.e in z/OS and z/OS.e Planning for Installation for actual IBM products supported. Note that the list of supported products may change without notice.

z/OS.e will execute applications written in Java and C/C++. In short, z/OS.e is an ideal way to enter, exploit, and profit from the world of next-generation applications.

New next-generation workloads that exploit the qualities of service of the mainframe and run unencumbered under z/OS.e V1.4 include, but are not limited to:

- WebSphere z/OS Application Server (WAS V4.0.1) with DB2 V7
- Software Development Kit (SDK) with Java 2 Platform, Enterprise Edition
- C/C++
- Lotus® Domino™ V5
- SAP R/3
- Siebel
- Oracle8i and Oracle9i Database

For the latest z/OS.e product catalog for ServerPac and SystemPac, visit the following Web site and select z/OS.e.


Products that are unavailable via ServerPac or SystemPac, such as Lotus Domino (5655-B86), can also be ordered with z/OS.e.

Not for Traditional Workloads

If you choose z/OS.e, the following are not licensed to run the following traditional workloads on z/OS.e:

- CICS
- IMS
- COBOL (except for precompiled COBOL DB2 stored procedures or other precompiled applications using the Language Environment preinitialization interface [CEEPIPI])
- FORTRAN

Regarding IBM programs in general, only supported IBM programs are licensed to run on z/OS.e. Refer to the minimum releases of IBM software products that run with z/OS.e in z/OS and z/OS.e Planning for Installation for actual IBM products supported. Note that the list of supported products may change without notice.

The following elements of z/OS are not licensed for use with z/OS.e V1.4 and you are not permitted to use these elements with z/OS.e V1.4:

- Encina® Toolkit Executive
- MICR/OCR

The following elements and features of z/OS are not licensed for use with z/OS.e V1.4 and are not functional in z/OS.e V1.4. You are not permitted to use these elements and features with z/OS.e V1.4:

- BookManager® READ/BUILD
GDDM® Base
- GDDM-PGF feature
- GDDM-REXX feature
DCE Application Support
BDT File-to-File

You must use the level of JES2 or JES3 that is delivered with z/OS.e.

You are not permitted to use lower levels of Language Environment in z/OS.e.

Additionally, the following functions are not functional and not licensed for use with z/OS.e. You are not permitted to use them with z/OS.e V1.4.
- Language Environment’s use of Run-time Library Services (RTLS)
- Language Environment Library Routine Retention (LRR)

Language Environment Compatibility Preinitialization for C and PL/I is not licensed for use with z/OS.e. You are not permitted to use this function with z/OS.e.

The following DB2 features are not functional with z/OS.e. You are not permitted to use these features with z/OS.e.
- DB2 QMF™ Host
- DB2 QMF HPO

You can use the IBM QMF for Windows® feature.

A maximum of eight concurrent TSO sessions are provided for system programmers and system administrators who need them to support and manage or administer the z/OS.e system.

Fee-Based Software Services Offerings

SystemPac for z/OS.e V1.4: SystemPac is a worldwide system migration vehicle for z/OS, z/OS.e, and OS/390®.

SystemPac is the recommended IBM delivery vehicle for customers who want to save time, resources, and effort to migrate, install, exploit, and maintain their z/OS.e system related products, and selected third parties’ software vendor products. SystemPac provides a load and go system for z/OS.e and WebSphere Application Server 4.0.1 for zSeries, providing customers who lack skilled system programmers’ resources and need to exploit new functions in z/OS.e, such as e-commerce, within a short period of time, a fully functional system on IPL.

SystemPac is available in two formats:
- **Full Volume Dump SystemPac**: is installed using DASD restore with DFDSS or Innovation Data Processing’s FDR product, if it is selected in the order. No installation dialogs need to be learned or exercised.
- **Dump by Dataset SystemPac**: is installed using the CustomPac dialogues included in the package.

SystemPac includes the installation of IBM and selected third parties’ software vendor products in a single package. There are more than 34 vendors and more than 350 vendor products available today. The vendor products ordered within SystemPac are not free unlicensed products. The vendor products ordered will be verified by IBM to ensure that licenses with the offering vendors are in place before delivery is completed. For a list of the available vendor products offered with SystemPac, visit:

http://www.ibm.com/services/uk/isv/vendors.html

After delivery of the SystemPac, subsequent customized maintenance packages called Selective Follow-On Service (SFS), which contain HIPER fixes and PTFs resolving PEs, aimed at stabilizing the installed system over a period of time, will be shipped at specified intervals and frequencies based upon the customer’s ordering selection.

Customers ordering z/OS.e can take advantage of the default enablement of the MVS™ System Logger, Resources Recovery Services, and WLM Goal Mode, including a sample policy.

Additionally, SystemPac comes with the option of having the z/OS.e Communications Server enabled. This feature, coupled with the enablement of z/OS.e UNIX® System Services in full function mode, allows customers to easily tailor the default setup provided to match their standard for Internet access after the system is restored and IPLed.

SystemPac is further enhanced with the setup, customization, and enablement of the following products when they are ordered:
- **DB2 Universal Database® Server for z/OS V6.1.0 (5645-DB2) and OS/390 V6.1.0 and V7.1.0 (5675-DB2)**
  - DB2 ODBC
  - DB2 JDBC
  - DB2 Net.Data®
  - WLM-established Stored Procedures
- **MQSeries® V5.2.0 for z/OS and OS/390 (5655-F10)**
- **WebSphere Application Server V4.0.1 for zSeries (5655-F31)**, including its following prerequisites:
  - Selected products and elements, features, and functions of z/OS (such as z/OS UNIX System Services, Security Server (RACF®), Communications Server, IBM HTTP Server, WLM Goal Mode, Resource Recovery Services)
  - IBM Developer Kit for OS/390, Java 2 Technology Edition (5655-D35)
  - DB2 V7.1.0 (5645-DB2)

With Full Volume Dump and the above enablers, customers can now have a true load and go system for z/OS.e and the WebSphere Application Server ready on IPL. This unique capability is only available with SystemPac.

For more information on SystemPac, visit:

http://www.ibm.com/ca/custompac

Select your location or country.

Accessibility by People with Disabilities

For software offerings:

The following features support use by people with disabilities:
- Operation by keyboard alone
- Optional font enlargement and high-contrast display settings
- Screen readers and screen magnifiers tested for use by people with visual impairment

http://www.ibm.com/services/uk/isv/vendors.html
Product Positioning

z/OS.e offers most of the same technical functions coupled with the superb qualities of service as z/OS—targeted specifically to enterprise applications, Web-based, and data management applications.

Statement of Direction

IBM plans to take the following actions in the future. Refer to the corresponding Statement of Direction section in the Supplemental Pages for more detailed information.

• The next z/OS.e release, z/OS.e V1.5, is planned to be available in first quarter 2004. The next release after z/OS.e V1.5 is planned to be available in September 2004. After the release in September 2004, it is IBM’s intention to deliver z/OS.e releases on an annual basis. z/OS.e will continue to be delivered at the same time as z/OS.

• Remove Object Access Method (OAM) support for Filenet 9246 optical libraries, 9247 optical drives, and 12-inch optical media in z/OS.e 1.5. If optical is a requirement, these Filenet devices and media can be replaced with IBM 3995 optical devices and media. If optical is not required, the data can be transitioned to any z/OS supported tape media or to DB2 tables on standard disk devices.

• Provide entitled service ordering and service delivery capabilities for the z/OS, z/OS.e, and OS/390 platform products electronically using the Internet. IBM intends to position ShopzSeries as the primary ordering and delivery method for software service on these platforms. The S/390® Service Update Facility (SUF) is being stabilized and additional requirements will be addressed via ShopzSeries. Existing worldwide fee services offerings that deliver z/OS, z/OS.e, and OS/390 software service will continue to provide delivery via physical and electronic media.

• IBM plans to deliver 64-bit virtual storage addressing for the DB2 for z/OS product in a future release. The future release of DB2 for z/OS, with 64-bit virtual address support, will be able to execute new workloads on IBM zSeries 800 (z800) or equivalent, running z/OS.e V1.3 or later.

For additional information refer to Software Announcement 202-190, dated August 13, 2002.

These statements represent current intentions of IBM. Any reliance on this Statement of Direction is at the relying party’s sole risk and will not create any liability or obligation for IBM.

All statements regarding IBM’s plans, directions, and intent are subject to change or withdrawal without notice.

Hardware and Software Support Services

SmoothStart®/Installation Services

IBM SmoothStart Services, on-site implementation and training startup service, is designed to accelerate your productive use of your IBM solution. The service is provided by IBM Global Services or your IBM Business Partner at an additional cost. For additional information, refer to Services Announcement 697-004, dated March 25, 1997, or contact your IBM representative and ask for SmoothStart Services for z/OS.e.

Reference Information

- Software Announcement October 3, 2000 200-352, dated
- Software Announcement October 3, 2000 200-354, dated
- Software Announcement February 27, 2001 201-044, dated
- Software Announcement March 27, 2001 201-072, dated
- Software Announcement September 11, 2001 201-258, dated
- Software Announcement September 11, 2001 201-257, dated
- Software Announcement September 11, 2001 201-248, dated
- Software Announcement February 19, 2002 202-031, dated
- Software Announcement February 19, 2002 202-036, dated
- Hardware Announcement February 19, 2002 102-052, dated
- Software Announcement August 13, 2002 202-190, dated

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Education Support

The following worldwide courses are available for classroom delivery:

- Introduction to z/OS™ and OS/390® Environment (ES05)
- Fundamental System Skills for z/OS and OS/390 (ES10)
- z/OS and OS/390 Facilities (ES15)
- z/OS Update (OZ30)
- z/Architecture for zSeries (OZ09)
- z/OS and OS/390 Operations (ES27)

In the U.S. and Canada call 800-IBM-TEACH (426-8322) to enroll in one or more of these classes.

Technical Information

Specified Operating Environment

Hardware Requirements: z/OS.e V1.4 runs on the IBM @server zSeries 800 family of servers or comparable non-IBM servers.

Note: The z800 does not support parallel channels, but does provide an option for you to purchase a parallel channel converter box.

The zSeries 800 is for customers who require a cost-competitive server that can process multiple e-business workloads, running concurrently under any of the following operating systems:

- Linux
- OS/390
- VM/ESA®
- VSE
- TPF
- z/VM™
- z/OS
- z/OS.e

The zSeries 800 provides Parallel Sysplex® support. It also supports HiperSockets and offers other improved I/O capabilities and capacity compared to the Multiprise® 3000.

For additional information, refer to Hardware Announcement 102-052, dated February 19, 2002.

Software Requirements: The z/OS.e base is an IPL-able system. Specific functions may require additional products not included in z/OS.e base, or in the optional features of z/OS.e. Refer to z/OS and z/OS.e Planning for Installation (GA22-7504) for a listing of specific software requirements. It is available on the Web:

http://www.ibm.com/servers/eserver/zseries/zose/bkserv

Coexistence, Release Migrations, and Fallback

z/OS.e, like z/OS, gives you compatibility and flexibility as you migrate systems in a multisystem configuration by allowing several releases of z/OS.e or z/OS in combination with z/OS and OS/390 to coexist. This includes non-Parallel Sysplex and Parallel Sysplex multisystem configurations.

Coexistence allows systems within a multisystem configuration to be upgraded to a new release level of z/OS.e one system at a time. This is contingent on the fact that the release you are migrating to can coexist with the lowest release running in your multisystem configuration.

Derived from the z/OS coexistence and migration policy, four consecutive releases of z/OS.e are coexistence supported. z/OS.e is also coexistence supported with z/OS and OS/390 in the same multisystem environment. In this case, z/OS.e is coexistence supported with its equivalent z/OS release (as well as any z/OS or OS/390 releases coexistence supported with that equivalent z/OS release). For example, z/OS.e V1.4 is coexistence supported with z/OS.e V1.3 and z/OS V1.4 as well as z/OS V1.3, z/OS V1.2, z/OS V1.1, and OS/390 V2.10, since these releases are coexistence supported with z/OS V1.4.

The following table shows the releases that are coexistence supported with z/OS.e.

<table>
<thead>
<tr>
<th>Release with Column 1</th>
<th>Coexistence Supported Releas es with Release in Column 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>z/OS.e R3, z/OS R3,</td>
<td>z/OS.e R3, z/OS R3, z/OS R2, z/OS R1 and OS/390 R10</td>
</tr>
<tr>
<td>or z/OS R3</td>
<td>(1), OS/390 R9</td>
</tr>
<tr>
<td>z/OS.e R4, z/OS.e R3,</td>
<td>z/OS.e R4, z/OS.e R3, z/OS R4, z/OS R3, z/OS R2,</td>
</tr>
<tr>
<td>or z/OS R4</td>
<td>z/OS R2, z/OS R1 and OS/390 R10 (1)</td>
</tr>
</tbody>
</table>

Note: OS/390 V2.10 and z/OS V1.1 are treated as one coexistence level as a special provision to the z/OS and OS/390 coexistence policy.
Similarly, z/OS.e supports the same migration policy as z/OS. Migration forward as well as backward should be made within the same z/OS.e releases supported by the coexistence policy. Four releases is the general migration and coexistence policy that should be assumed, except where special provisions have been provided.

This consistent coexistence, migration, and fallback policy applies to release migrations for all configurations, whether they are:

- Single system configurations
- Individual systems within a multisystem configuration
- Cases where a simultaneous IPL is used to migrate all systems in a multisystem configuration at the same time

Since each release of z/OS.e can normally be ordered only until the next release of z/OS.e becomes orderable, it is very important that you order the required z/OS.e release you need for migration and coexistence while still available.

For additional information on z/OS.e coexistence and release migration information, refer to z/OS and z/OS.e Planning for Installation (GA22-7504) at:

http://www.ibm.com/servers/eserver/zseries/zose/bkserv

For migrations inside the IBM migration and coexistence policy, IBM Global Services (IGS) has fee-based offerings that provide a PTF on demand service for toleration and coexistence maintenance based upon a customer’s SMP/E Consolidated Software Inventory (CSI). With these offerings, you specify the release of z/OS, z/OS.e, OS/390, or other products, or hardware (for example, 2066) to which you are migrating, and all configured toleration/coexistence maintenance for your current system (as specified by your CSI) will be delivered to you as a customized package in electronic or physical format. This is provided through the S/390® SoftwareXcel offering, via the Service Request and Delivery (SRD) function.

IGS also provides hands-on fee-based services to assess whether a migration outside the migration and coexistence policy might be possible. For more information on the migration services that IGS provides for both inside and outside the migration and coexistence policy, contact your local IBM sales specialist.

JES Coexistence, Release Migrations, and Fallback

With z/OS.e, you migrate to JES2 or JES3 at the same time you migrate to the rest of z/OS.e. In this way, you benefit directly from the new function provided by the most current JES and enable other elements and features to benefit from this level.

Fallback for z/OS.e is at a system level, rather than an element or feature level. Since you migrate to JES2 or JES3 at the same time you migrate to z/OS.e, you cannot back out JES2 or JES3 separately; you can only back out the entire z/OS.e product.

Although you must run the level of JES that comes with z/OS.e, that JES can communicate with certain lower levels of JES running on other z/OS or OS/390 systems in the same MAS or multisystem complex.

For additional information on z/OS.e JES release migration and coexistence, refer to z/OS and z/OS.e Planning for Installation (GA22-7504) by visiting:

http://www.ibm.com/servers/eserver/zseries/zose/bkserv

Performance Considerations

Performance of z/OS.e V1.4 is expected to be equivalent to the performance of z/OS V1.4 running on equivalent hardware. Information on z/OS V1.4 performance will be available at general availability. You should consult your marketing representative at or after general availability.

Planning Information

Customer Responsibilities: Refer to z/OS and z/OS.e Planning for Installation (GA22-7504).

Installation and Customization Enhancements

For z/OS V1.4.e, ServerPac now supports the ability to selectively install either JES2 or JES3. This eliminates subsequent tasks to merge zones or to delete the unused JES. ServerPac also provides support to enable Managed System Infrastructure for Operations (msys for Operations), which provides automation and ease-of-use functions for both z/OS system and sysplex resources. In this release, ServerPac also addressed multiple customer and user group requirements.

The level V.1.1 Customized Offering Driver (5665-343) no longer supports single-density DASD. This reduces the number of tapes that you need to handle. Now, the minimum levels of DASD devices supported are 3380-2 and 3390-2.

The media on which the Driver can be ordered are the following:

- 3590
- 3480 for 3390 double-density DASD
- 3590, 3480, and 4mm for 3380 double-density DASD or higher

z/OS.e V1.4 customization has also been made easier with enhancements to both Managed System Infrastructure for Setup (msys for Setup) and the z/OS wizards.

msys for Setup has been enhanced to provide additional element plug-ins, support for multiple user logon, improved user interface, and Japanese NLS support.

Availability of the z/OS Intelligent Resource Director (IRD) Planning Wizard is planned for 2002. The IBM @server Security Planner wizard is currently available.

For more information about these wizards, refer to Software Announcement 202-190, dated August 13, 2002.

Direct Customer Support: Direct customer support is provided by IBM Operational Support Services — Support Line. This fee service can enhance your productivity by providing voice and electronic access into the IBM support organization. IBM Operational Support Services — Support Line will help answer questions pertaining to usage, how to and suspected software defects for eligible products.

Installation and technical support is provided by IBM Global Services. For more information on services, call 800-IBM-4YOU (426-4968).

Packaging: When you order z/OS.e V1.4, IBM recommends that you also order all the unpriced optional (export controlled) features that you may need in the future. That is because these features may not still be
orderable later when you decide you need them. For example, to obtain encryption support (security) for IBM HTTP Server for z/OS.e, you must specify the security feature IBM HTTP Server North America Secure.

For specific details on feature numbers, refer to the Ordering Information section.

**System Integrity**

IBM will accept APARs where the installation of z/OS.e introduces an exposure to system integrity.

**Program Services**

Central service for suspected defects in z/OS.e code is provided by the IBM Support Center within your geography. On-site (local) support, although available in many geographies, is provided as part of the IBM portfolio of fee-based services.

**Service Policy**

IBM plans to provide service support for each release of z/OS.e for three years following its general availability date. IBM, at its discretion, may choose to leave a release supported for more than three years.

At least twelve months written notice will be given for z/OS.e prior to the withdrawal of service for a version or release.

z/OS.e no longer supports service for client operating systems whose service is withdrawn by the operating system manufacturer. As an example of the actual implementation of this policy, we will no longer support service for clients running Windows® 95.

Coexistence and migration rules apply and should be taken into account in planning future migrations. Refer to the Coexistence, Release Migrations, and Fallback section for additional information.

**Recommended Service Upgrade**

IBM has redefined the Recommended Service Upgrade (RSU) for the z/OS platform (z/OS, z/OS.e, and OS/390) based on additional Consolidated Service Testing (CST). Testing of service for the following subsystems and products is now being done in a customer-like sysplex environment, using industry representative workloads.

- z/OS
- OS/390
- IMS™
- DB2®
- CICS®
- MQSeries®

Service will be tested in this consolidated service test environment on a quarterly basis. The resulting RSU is the new recommended level of service. Additionally, testing will be done on Hipers, PE Fixes, and other fixes as warranted, on a monthly basis. These monthly RSUs are recommended as we have found a correlation between availability and maintenance currency. As always, customers should review Hipers and PE fixes on a regular basis and install those that apply to their environment. For more information about CST and how to order and install the redefined recommended service, refer to:


**Notes:**

1. These service recommendations are based on the IBM test environment and workloads. Customer environments and workloads are likely to differ. Therefore, these service recommendations are provided without warranties of any kind. Customer must consider their environment, maintenance philosophy, and production needs in making the final decision as to what maintenance to apply.

2. These statements represent the current intentions of IBM. IBM development plans are subject to change or withdrawal without further notice.

**Security, Auditable, and Control**

Data security and auditability in the z/OS.e environment are enhanced by the functions available in the optional Security Server for z/OS.e feature. 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**

**Current Licensees**

z/OS.e V1.3 customers can migrate to z/OS.e V1.4 by ordering the release through the Customized Offerings (ServerPac, SystemPac®).

Refer to the New Licensees section under Ordering Information for all the feature numbers that should be obtained when migrating to z/OS.e V1.4. You can then proceed to order the executable code through the Customized Offerings (ServerPac, SystemPac).

Pricing information is described in the initial z/OS.e V1 Software Announcement 202-032, dated February 19, 2002.

**Key Dates**

- **August 13, 2002:** z/OS.e V1.4 (5655-G52) CFSW configurator for stand-alone path and price proposal support.
- **September 3, 2002:** Recommended date for submitting z/OS.e V1.3 orders for ServerPac and SystemPac. This date will allow for order processing time.
- **September 12, 2002:** Last date for ordering z/OS.e V1.3 ServerPac and SystemPac.
- **September 13, 2002:** First date for ordering z/OS.e V1.4 ServerPac and SystemPac, using CFSW configuration support or ShopzSeries, the Internet ordering tool. Note that most z/OS.e media (executable code) are shipped only through Customized Offerings (ServerPac, SystemPac).
- **September 27, 2002:** z/OS.e V1.4 planned availability.

Similar to z/OS, when a new release of z/OS.e becomes orderable in ServerPac and SystemPac, the previous release is no longer orderable. Since each release of z/OS.e can normally be ordered only until the next release of z/OS.e becomes orderable, it is very important that you order the required z/OS.e release you need for migration and coexistence while still available.
Not all OS/390, z/OS (MVS™), or DB2 products can operate with the z/OS.e product. When ordering z/OS.e, a separate product checklist will be presented for products that can run and be supported with z/OS.e. For additional information, refer to z/OS and z/OS.e Planning for Installation (GA22-7504). Chapter 5 “Ensuring coexistence and fallback” at:


For the latest z/OS.e product catalog for ServerPac and SystemPac, visit the following Web site and select z/OS.e.

http://www-1.ibm.com/servers/eserver/zseries/software/swinfo

The stand-alone product IBM Debug Tool for z/OS and OS/390 V1.3 (5688-198) or later, is functionally richer than the debug tool function in the z/OS C/C++. You can take advantage of the many new functions in the stand-alone product by dynamically disabling the z/OS.e C/C++ with Debug Tool feature, dynamically enabling the z/OS.e C/C++ without Debug Tool feature, and installing the stand-alone product. Order the latest level of the IBM Debug Tool for z/OS and OS/390 to obtain the latest function.

New Licensees of z/OS.e V1.4

The z/OS.e program ships its executable code via Customized Offerings (ServerPac, SystemPac). Noncustomized items (CD-ROMs, memos, hardcopy publications) will be shipped via the stand-alone product.

For all z/OS.e orders, the customer install base of the Customized Offering 5751-CSx (not the install base of 5655-G52) must be retained to determine the z/OS version and release level most recently ordered.

Production of z/OS.e V1.4 orders will begin on the planned general availability date, September 27, 2002. Ship dates for orders will be based on order sequence, Customized Offering selected, production capability, and customer-requested arrival date. Due to the amount of customization of ServerPac orders, shipments will begin approximately two weeks after general availability. Due to the amount of additional customization of SystemPac orders, shipments will begin approximately four weeks after order and data input verification. In all cases, no delivery commitments are to be made to the customer until confirmed arrival dates are in ESW/AAS.

Basic License

To order a basic license, specify the z/OS.e V1.4 program number 5655-G52, and feature number 9001 for asset registration. Proceed to select the feature numbers listed, which are required, and then select any optional feature numbers.

The following no-charge (NC) features are added to z/OS.e 1.4 and can be ordered, effective August 13, 2002. The features below have associated monthly license charge (MLC) features. Refer to notes for past announcements containing this information.

<table>
<thead>
<tr>
<th>Feature Description</th>
<th>Feature Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>z/OS.e V1.4</td>
<td>6694</td>
</tr>
</tbody>
</table>

Notes:

1. The billing features and pricing information for the above feature descriptions are described in Software Announcement 202-032, dated February 19, 2002.
2. This product ships its executable code via Customized Offerings (ServerPac and SystemPac). Noncustomized items (CD-ROMs, memos, hardcopy publications) will continue to be shipped via the stand-alone product.
3. This product is not offered in CBPDO.
4. The media type for the above items is chosen during customized offering ordering procedure.

Basic Publications

One copy of the following publications is supplied automatically with the basic machine-readable material:

Basic/Unlicensed Hardcopy Publications

<table>
<thead>
<tr>
<th>Title</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>z/OS V1.4 and z/OS.e V1.4 Planning for Installation</td>
<td>GA22-7504</td>
</tr>
<tr>
<td>z/OS.e V1.4 Memo to New Licensees</td>
<td>GI10-0684</td>
</tr>
<tr>
<td>z/OS V1.4 Program Directory</td>
<td>GI10-0670</td>
</tr>
</tbody>
</table>

Notes:

1. The z/OS.e V1.4 Licensed Program Specification (GA22-7868) is provided in softcopy on the z/OS V1.4 Collection Kit (CD-ROM), which is included in each Basic package.
2. z/OS.e does not require a program directory because it is not installed using CBPDO. However, the z/OS Program Directory is shipped with z/OS.e for reference information.
3. The z/OS.e V1.4 Memorandum to New Licensees will describe which sections of this program directory are useful to z/OS.e V1.4 customers.
4. A planning for installation wizard is also available on the Web:
   http://www.ibm.com/servers/eserver/zseries/zos/wizards/
5. Except for a few z/OS.e-specific publications, z/OS.e will be documented using the z/OS V1.4 publications and softcopy collections.

Basic/Unlicensed Softcopy Publications

<table>
<thead>
<tr>
<th>Title</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>z/OS V1.4 Collection</td>
<td>SK3T-4269</td>
</tr>
</tbody>
</table>

The z/OS V1.4 Collection contains the z/OS V1.4 documents in both BookManager® and PDF softcopy formats on CD-ROM. If this collection is refreshed three months after general availability, an updated collection will be automatically sent to z/OS.e V1.4 licensees.

By general availability, all of the z/OS.e and z/OS V1.4 unlicensed documents applicable to z/OS.e will also be available at:

http://www.ibm.com/servers/eserver/zseries/zose/bkserv

The following z/OS.e publications will be available on this Web site in softcopy format:
z/OS.e Overview (GA22-7869) contains a description of z/OS.e, its benefits, the differences between z/OS and z/OS.e, and the unique z/OS.e messages. It is also available in hardcopy for a fee.

z/OS and z/OS.e Planning for Installation (GA22-7504) describes install preparations for z/OS or z/OS.e, and documents the differences between z/OS and z/OS.e.

z/OS.e Licensed Program Specifications (GA22-7868) documents the warranty for z/OS.e.

Starting with z/OS.e V1.4, as optional books are updated, the updated books will be available in softcopy only on the softcopy collection and the Internet.

http://www.ibm.com/comshop/publications/order

For customers in 23 countries, the IBM Publications Center is offering a new order to order hardcopy publications or softcopy collections by customer number. Check to see if this option is available in your country.

For other publications ordering options, visit:


If you want to upload BookManager softcopy and create softcopy repositories to support BookManager BookServer on your z/OS.e host, use SoftCopy Librarian, our strategic tool for uploading and managing BookManager files on z/OS, z/OS.e, or OS/390, and on LANs and workstations. SoftCopy Librarian, a free program that is provided on the softcopy tools disc of the CD-ROM collections, provides you with management functions for your bookshelves and document files. Of course, you can also use SoftCopy Librarian to support other products that might require host repositories.

SoftCopy Librarian runs on Windows workstations. The latest versions of the SoftCopy Librarian can be downloaded from the following site:


Optional Machine-Readable Material

Optional Unpriced Features: The following no-charge (NC) optional features are added to z/OS.e V1.4 and can be ordered effective August 13, 2002.

<table>
<thead>
<tr>
<th>Feature Description</th>
<th>Feature Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications Server</td>
<td>6641</td>
</tr>
<tr>
<td>Security Level 3</td>
<td></td>
</tr>
<tr>
<td>IBM HTTP Server NA Secure</td>
<td>6708</td>
</tr>
<tr>
<td>OCSF Security Level 3</td>
<td>6639</td>
</tr>
<tr>
<td>System SSL Security Level 3</td>
<td>6646</td>
</tr>
<tr>
<td>Security Server Network</td>
<td>6664</td>
</tr>
<tr>
<td>Authentication</td>
<td></td>
</tr>
<tr>
<td>Service Level 3</td>
<td></td>
</tr>
</tbody>
</table>

Notes:

1. This product ships its executable code via Customized Offerings (ServerPac, SystemPac). The media type is chosen during the customized offering ordering procedure.
2. The above features can be exported outside the United States.
3. These features should be ordered during this release cycle, since they are not automatically included in all orders, due to need for export regulation tracking.

Optional Priced Features: The following optional features are added to z/OS.e V1.4 and can be ordered effective August 13, 2002. A monthly license charge (MLC) is associated with these. Refer to the following notes for additional information.

<table>
<thead>
<tr>
<th>Feature Description</th>
<th>Feature Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDT SNA NJE</td>
<td>6655</td>
</tr>
<tr>
<td>C/C++ with Debug</td>
<td>6682</td>
</tr>
<tr>
<td>C/C++ without Debug</td>
<td>6696</td>
</tr>
<tr>
<td>DFSMS dss,hsm</td>
<td>6640</td>
</tr>
<tr>
<td>DFSMS rmm</td>
<td>6693</td>
</tr>
<tr>
<td>DFSMS dss</td>
<td>6695</td>
</tr>
<tr>
<td>DFSORT™</td>
<td>6666</td>
</tr>
<tr>
<td>HCM</td>
<td>6672</td>
</tr>
<tr>
<td>HLASM Toolkit</td>
<td>6699</td>
</tr>
<tr>
<td>InfoPrint® Server</td>
<td>6691</td>
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<tr>
<td>JESS</td>
<td>6657</td>
</tr>
<tr>
<td>RMF™</td>
<td>6699</td>
</tr>
<tr>
<td>SDSF</td>
<td>6663</td>
</tr>
<tr>
<td>Security Server</td>
<td>6702</td>
</tr>
</tbody>
</table>

Note:

- The billing features and pricing information for the above feature descriptions are described in Software Announcement 202-032, dated February 19, 2002.
- This product ships its executable code via Customized Offerings (ServerPac, SystemPac). The media type is chosen during the customized offering ordering procedure.
- If you subsequently enable any of the optional priced features, those features also become subject to the payment terms of your existing z/OS.e license as described in z/OS.e Licensed Program Specifications (GA22-7868). You must notify IBM when you enable an optional feature that was shipped disabled from IBM.
- The following components of priced optional features are now licensed as part of the z/OS Base and can be used without enabling the optional feature:
  - C/C++ IBM Open Class™ Library
  - LDAP Server component of Security Server
  - Network Authentication Service component of Security Server
  - Firewall Technologies (IKE and GUI only) component of Security Server
  - PKI Services component of the Security Server
  - Open Cryptographic Enhanced Plug-ins (OCEP) component of the Security Server
- DFSMSdss™ cannot be ordered with DFSMSdss/hsm and vice versa.
• C/C++ optional features are mutually exclusive; only one can be ordered.
• The feature descriptions listed above are the same as those offered in z/OS.e V1.3.

Optional Unpriced National Language Version (NLV) Features

The z/OS.e V1.4 NLV support features will become generally available on the same date the release code becomes available.

z/OS.e V1.4 provides support in the languages listed below. However, not all elements within z/OS V1.4 are translated into each language. Refer to z/OS and z/OS.e Planning for Installation (GA22-7504) for information on which elements are translated into which languages, by visiting:

http://www.ibm.com/servers/eserver/zseries/zose/bkserv

The following optional features, offered at no additional charge, are added to z/OS.e V1.4, and can be ordered, effective August 13, 2002:

The NLV features for z/OS.e V1.4 are:

<table>
<thead>
<tr>
<th>z/OS.e V1.4 Feature Number</th>
<th>z/OS.e NLV Feature Description</th>
</tr>
</thead>
<tbody>
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<td>6654</td>
<td>Brazilian Portuguese Base (PTB)</td>
</tr>
<tr>
<td>6642</td>
<td>Canadian French Base (FRC)</td>
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<tr>
<td>6685</td>
<td>Danish Base (DAN)</td>
</tr>
<tr>
<td>6699</td>
<td>Dutch Base (NLD)</td>
</tr>
<tr>
<td>6673</td>
<td>French Base (FRA)</td>
</tr>
<tr>
<td>6700</td>
<td>German Base (DEU)</td>
</tr>
<tr>
<td>6650</td>
<td>Italian Base (ITA)</td>
</tr>
<tr>
<td>6698</td>
<td>JPN Base</td>
</tr>
<tr>
<td>6645</td>
<td>JPN C++ With Debug</td>
</tr>
<tr>
<td>6662</td>
<td>JPN C++ Without Debug</td>
</tr>
<tr>
<td>6690</td>
<td>JPN DFSORT</td>
</tr>
<tr>
<td>6703</td>
<td>JPN Infoprint Server</td>
</tr>
<tr>
<td>6670</td>
<td>JPN RMF</td>
</tr>
<tr>
<td>6660</td>
<td>JPN SDSF</td>
</tr>
<tr>
<td>6707</td>
<td>JPN Security Server</td>
</tr>
<tr>
<td>6677</td>
<td>Upper Case English Base (ENP)</td>
</tr>
<tr>
<td>6653</td>
<td>Korean Base (KOR)</td>
</tr>
<tr>
<td>6705</td>
<td>Norwegian Base (NOR)</td>
</tr>
<tr>
<td>6676</td>
<td>Spanish Base (ESP)</td>
</tr>
<tr>
<td>6661</td>
<td>Swedish Base (SVE)</td>
</tr>
<tr>
<td>6683</td>
<td>Swiss German Base (DES)</td>
</tr>
<tr>
<td>6658</td>
<td>Simplified Chinese Base (CHS)</td>
</tr>
<tr>
<td>6656</td>
<td>Traditional Chinese Base (CHT)</td>
</tr>
</tbody>
</table>

Note: This product ships its executable code via Customized Offerings (SeverPac, SystemPac). The media type is chosen during the customized offering ordering procedure.

Optional Unpriced Source Media

The following features, offered at no additional charge, are added to z/OS.e V1.4 and can be ordered effective August 13, 2002.

Optional Unlicensed Publications

Optional Unlicensed Softcopy Publications: The following optional features are added to z/OS.e V1.4 and can be ordered effective August 13, 2002.

To order the following softcopy collection, specify the one-time charge for the feature. The charge is for one copy of the item offered; it is not for a subscription.

<table>
<thead>
<tr>
<th>z/OS Software Products Collection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
</tr>
<tr>
<td>Order Number</td>
</tr>
<tr>
<td>Feature Number</td>
</tr>
<tr>
<td>Price</td>
</tr>
<tr>
<td>SK3T-4270</td>
</tr>
<tr>
<td>8196</td>
</tr>
<tr>
<td>$50.00</td>
</tr>
</tbody>
</table>

The z/OS Software Products Collection includes over 1,485 unlicensed online documents for more than 285 z/OS software products and Parallel Sysplex, and a softcopy tools disc. This collection includes documents for multiple releases of software products that run on z/OS. The documents are provided in BookManager format and, when available, in PDF format as well.

Using the usual ordering methods, you can also purchase the z/OS V1.4 and Software Products DVD Collection (SK3T-4271). This collection includes softcopy tools, libraries for z/OS V1.4 (the element and feature libraries), the libraries for multiple releases of z/OS software products, and selected zSeries Redbooks™. Both BookManager and PDF formats, when available, are included on this single DVD. This comprehensive z/OS collection is essentially the z/OS V1.4 Collection (SK3T-4269) and the z/OS Software Products Collection (SK3T-4270) combined with selected redbooks from the IBM zSeries Redbooks Collection (SK3T-7876) and delivered on the higher-density DVD technology.

Optional Licensed Publications: No optional licensed hardcopy or softcopy publications are available for ordering by feature numbers, for inclusion in the product package shipment. However, the z/OS licensed publications that apply to z/OS.e are offered in softcopy format on a CD-ROM, which can be ordered separately from the product package, and on the Internet.

Licensed users can obtain the z/OS licensed documents by purchasing the z/OS Licensed Product Library collection (LK3T-4307) using the usual ordering methods. Users can also access the licensed documents free of charge on the Internet using the IBM Resource Link™ Web site. Access to these documents on IBM Resource Link requires a key code and an IBM Resource Link Web...
user ID and password. The z/OS.e V1.4 Memo to New Licensees included with your z/OS.e order contains the key code. Information about ordering the licensed softcopy collection and accessing IBM Resource Link is provided on the following Web site:


z/OS.e V1.3 Features Withdrawn

The following z/OS.e V1.3 features are withdrawn from marketing, effective September 12, 2002.

<table>
<thead>
<tr>
<th>Feature Number</th>
<th>Feature Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6552</td>
<td>z/OS.e V1.3 Base</td>
</tr>
<tr>
<td>6553</td>
<td>z/OS.e V1.3 BDT SNA NJE</td>
</tr>
<tr>
<td>6558</td>
<td>z/OS.e V1.3 C/C++ with Debug</td>
</tr>
<tr>
<td>6554</td>
<td>z/OS.e V1.3 C/C++ without Debug</td>
</tr>
<tr>
<td>6555</td>
<td>z/OS.e V1.3 DFSMS dss, hsm</td>
</tr>
<tr>
<td>6557</td>
<td>z/OS.e V1.3 DFSMS rmm</td>
</tr>
<tr>
<td>6556</td>
<td>z/OS.e V1.3 DFSMS dss</td>
</tr>
<tr>
<td>6561</td>
<td>z/OS.e V1.3 DFSORT</td>
</tr>
<tr>
<td>6562</td>
<td>z/OS.e V1.3 HCM</td>
</tr>
<tr>
<td>6559</td>
<td>z/OS.e V1.3 HLASM Toolkit</td>
</tr>
<tr>
<td>6560</td>
<td>z/OS.e V1.3 Infoprint Server</td>
</tr>
<tr>
<td>6563</td>
<td>z/OS.e V1.3 JES3</td>
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<td>6567</td>
<td>z/OS.e V1.3 RMF</td>
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<tr>
<td>6564</td>
<td>z/OS.e V1.3 SDSF</td>
</tr>
<tr>
<td>6565</td>
<td>z/OS.e V1.3 Security Server</td>
</tr>
<tr>
<td>6566</td>
<td>z/OS.e V1.3 Communications Server</td>
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<td></td>
<td>Security Level 3</td>
</tr>
<tr>
<td>6568</td>
<td>z/OS.e V1.3 IBM HTTP Server NA Secure</td>
</tr>
<tr>
<td>6570</td>
<td>z/OS.e V1.3 OCSF Security Level 3</td>
</tr>
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<td>z/OS.e V1.3 System SSL Security Level 3</td>
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<td>z/OS.e V1.3 Security Server Network Authentication Service Level 3</td>
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<td>z/OS.e V1.3 SK3T-4270 z/OS</td>
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<td>6586</td>
<td>z/OS.e V1.3 French Base (FRA)</td>
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<td>6585</td>
<td>z/OS.e V1.3 Germ Base (DEU)</td>
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<td>6587</td>
<td>z/OS.e V1.3 Ital Base (ITA)</td>
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<td>6590</td>
<td>z/OS.e V1.3 JPN Base (JPN)</td>
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<tr>
<td>6596</td>
<td>z/OS.e V1.3 JPN C++ With Debug</td>
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<td>6595</td>
<td>z/OS.e V1.3 JPN C++ Without Debug</td>
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<td>6601</td>
<td>z/OS.e V1.3 JPN DFSORT</td>
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<td>6602</td>
<td>z/OS.e V1.3 JPN Infoprint Server</td>
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<td>6600</td>
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<td>z/OS.e V1.3 Kor Base (KOR)</td>
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<td>z/OS.e V1.3 Norw Base (NOR)</td>
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<td>z/OS.e V1.3 Swed Base (SVE)</td>
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<td>z/OS.e V1.3 Swiss Germ Base (DES)</td>
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<td>z/OS.e V1.3 Simp Chin Base (CHS)</td>
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</tr>
<tr>
<td></td>
<td>4MM</td>
</tr>
</tbody>
</table>

Customized Offerings

Most product media is shipped only via Customized Offerings (that is, ServerPac, SystemPac). Non-customized items (CDs, diskettes, source media, media kits) will continue to be shipped via the stand-alone product.

Terms and Conditions

The terms and conditions of z/OS.e V1.4 are unaffected by this announcement. For more information, refer to Software Announcement 202-032, dated February 19, 2002.

IBM Operational Support Services — Support Line: Yes

Order Now

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Phone: 800-IBM-CALL

Fax: 800-2IBM-FAX

Internet: ibm_direct@vnet.ibm.com

Mail: IBM Atlanta Sales Center

Dept. LE001

P.O. Box 2690

Atlanta, GA 30301-2690

You can also contact your local IBM Business Partner or IBM representative. To identify them, call 800-IBM-4YOU.

Note: Shipments will begin after the planned availability date.

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