IBM WebSphere Extended Deployment V6.0.1 — Delivering high qualities of service for your distributed SOA

Overview

IBM WebSphere® Extended Deployment V6.0.1 offers a dynamic, goals-directed, high-performance environment for running mixed application types and workload patterns in WebSphere. With these capabilities, you can optimize the resource utilization and management of your deployments, while enhancing the quality of service of your business-critical applications.

WebSphere Extended Deployment helps to create an optimized application infrastructure that is:

- **Flexible**: Provides support for mixed application types and workload patterns in WebSphere, allowing you to better leverage your existing application infrastructure resources.

- **Reliable, scalable, high performance**: Enhances quality of service of business-critical applications to support near linear scalability for high-end transaction processing, helping you improve customer service levels while also leveraging existing Java™ skills and resources.

- **Dynamic**: Allows your application environment to scale on demand with virtualization of WebSphere resources and use of a goals-directed infrastructure, helping you increase the speed at which your company can adapt to business change.

- **Easily managed**: Offers simpler and improved management of complex system operations with a real-time operational health monitoring tools, helping you reduce the cost of managing IT resources.

WebSphere Extended Deployment V6.0.1 is available with education and services you can use to help optimize your complex computing environments. The IBM QuickStart for WebSphere Extended Deployment services, offered with WebSphere Extended Deployment V6.0 in Software Announcement 205-174, dated July 26, 2005, will no longer be included with the product purchases as of February 24, 2006. For qualifying purchases prior to February 24, 2006, the services must be requested by June 30, 2006, and the services engagement must be completed by December 31, 2006. The IBM QuickStart for WebSphere Extended Deployment offering and other services continue to be available and can be purchased separately to help ensure successful solution deployment. For more information on these services, refer to the Planning information section of this announcement.

For more information about WebSphere Extended Deployment and other related offerings, visit http://www.ibm.com/software/webservers/appserv/extend/

Key prerequisites

IBM WebSphere Extended Deployment is supported on multiple platforms. For details, refer to the Hardware requirements and Software requirements sections.

Planned availability dates

- January 27, 2006: Electronic software delivery
- February 24, 2006: Media and documentation

At a glance

IBM WebSphere Extended Deployment V6.0.1 delivers the following enhanced capabilities:

- **Distributed object caching**: The newly enhanced ObjectGrid feature enables quick and easy data sharing, improving application scalability and performance.

- **Standalone ObjectGrid**: The ObjectGrid feature can now be deployed in mixed server environments for object caching and session management.

- **Workload management across distributed locations**: Multicluster failover and load balancing is now available for geographically dispersed regions.

- **Support for additional network protocols**: JMS and IIOP request classification is now provided.

- **WebSphere Software Platform product support**: WebSphere Extended Deployment can now be used in conjunction with WebSphere Process Server, WebSphere Commerce Server, and WebSphere Portal Server.

- **Support for the IBM zSeries® platform**: WebSphere Extended Deployment is now available on z/OS®.

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

Reference: LE001

For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: http://www.ibm.com.

Improvements to WebSphere Extended Deployment

Enhanced object caching enables optimized data access for improved application performance and scalability.

As the use of your transactional Web applications increases, you need an application infrastructure that scales on demand to meet the higher request volumes. WebSphere Extended Deployment’s dynamic operating environment helps with this scalability challenge by automatically adjusting resources in response to actual demand. However, even when the optimal application resource allocations have been made, access to a shared data source, such as a relational database or file system, can become a bottleneck and limit application performance and scalability. Horizontal scalability can also be limited by the need for application session persistence or “stickiness” which continually forces the same user to return to the same server within a session.

WebSphere Extended Deployment’s ObjectGrid feature provides a customizable, pluggable object caching framework that allows applications to share object data using a variety of consistency models. Object data can be application data retrieved from a common data source such as a database or file system, or short living objects such as session data (for example, shopping cart information). Objects can be stored in the grid and then accessed from multiple applications, reducing the number of trips to the data source and avoiding the cost of repeatedly recreating objects. Additionally, if one server fails in the ObjectGrid, other servers in the grid will have the object cached and can supply the object with little or no loss of service.

The ObjectGrid can be deployed in the following ways:

- **Simple ObjectGrid cache**: Can be deployed on a single JVM. This provides a local cache accessible only from a single application.
- **Clustered ObjectGrid cache**: Allows multiple servers to access, share, and update the same object data in a consistent and reliable way. This provides for a highly available cache infrastructure that will tolerate server failures while minimizing data loss. The clustered ObjectGrid is distributed across cluster members. It is also transactional so that all applications see a consistent and up-to-date view of the shared objects even as updates are made. Finally, replication is used to ensure continuous access to the ObjectGrid by replicating objects across multiple servers.
- **Clustered, Partitioned ObjectGrid cache**: Provides a multiserver cache where cache state is partitioned between servers. This enables the ObjectGrid to handle larger cache sizes. Partitioning logic is used to divide up the object data across the ObjectGrid members and routing logic is used to locate a particular object within the cache.

The ObjectGrid feature provided by WebSphere Extended Deployment decreases contention for data sources and dramatically improves application performance and scalability. This enables your data access performance to scale along with the rest of your application infrastructure to keep up with growing demand.

WebSphere Extended Deployment V6.0.1 includes these rich ObjectGrid capabilities which are tightly integrated into the WebSphere environment, offering ease of deployment and simplified administration.

Object caching within mixed server environments

In this release, the ObjectGrid feature is also available within WebSphere Extended Deployment for Mixed Server Environments V6.0.1 for quick and easy sharing of object data across heterogeneous deployments. The ObjectGrid feature can now run in a stand-alone fashion within any J2EE or J2SE JVM. Non-WebSphere servers can leverage the ObjectGrid and provide for a common object caching approach across heterogeneous deployments. The standalone ObjectGrid component can be used in the following ways:

- **Advanced object caching**: J2SE applications can tie directly into the ObjectGrid to cache application data. Examples of J2SE environments include the following:
  - A WebSphere thick client
  - A WebSphere thin client
  - A J2SE application
  - A Web application using standalone Tomcat
  - Any application server running on at least J2SE 1.4 JDK
- **HTTP session failover for Web applications**: Sessions can be persisted within the ObjectGrid enabling simple HTTP clustering. The cache can be shared between multiple applications, even those deployed on different platforms. The ObjectGrid can be leveraged by any J2EE 1.3 servlet container (as defined in the Java Servlet 2.3 specification), including:
  - IBM WebSphere Application Server
  - IBM WebSphere Application Server Community Edition
  - Apache Geronimo
  - Apache Tomcat
  - JBoss Application Server
  - BEA WebLogic Server
  - Any other application server with a J2EE 1.3 servlet container

With the addition of a standalone ObjectGrid, WebSphere Extended Deployment for Mixed Server Environments V6.0.1 now provides two key capabilities for heterogeneous server deployments:

- **Goals-directed workload management (WLM)**: An operational monitoring agent, called the Remote Agent, can be used to feed CPU utilization and health information for both WebSphere and non-WebSphere servers back to the On Demand Router component. This provides for a unified workload management and visual performance monitoring approach for mixed server environments.
- **Distributed caching and session management**: The ObjectGrid feature can now also be deployed in mixed server environments for quick and easy sharing of object data across heterogeneous deployments.

Refer to the Ordering information section for details on how to order and license WebSphere Extended Deployment for Mixed Server Environments.
Balance workloads across geographically dispersed regions

WebSphere Extended Deployment now provides the ability to route requests for a particular application to geographically dispersed application server clusters. This enables multicluster failover and load balancing for organizations with multiple physical locations.

For example, suppose application A is deployed to two geographically dispersed cells: a New York cell and a Tokyo cell. The On Demand Router component in New York can be configured to send requests for application A to the Tokyo cell for:

- **Geographic failover**: If no servers in New York are currently running application A, then requests for application A that are sent to New York can automatically failover to Tokyo.
- **Geographic load balancing**: If sending the request to Tokyo is predicted to provide a better response time, typically due to over-utilization of the servers in New York, then requests are load balanced between New York and Tokyo.

A geographically dispersed cluster is configured as a generic server cluster and, therefore, does not require additional inter-cell communication. (For example, there is no core group bridge connection between disperse cells.)

New protocols now supported

The goals-directed infrastructure capabilities of WebSphere Extended Deployment ensure that user requests are classified, prioritized, queued, and routed to servers based on application operational policies that are tied to business goals. WebSphere Extended Deployment V5.1 and V6.0 provide a dynamic operating environment where HTTP workloads can be managed against desired service levels. WebSphere Extended Deployment V6.0.1 provides similar capabilities for JMS and IIOP workloads.

- **JMS support**: WebSphere Extended Deployment V6.0.1 provides classification and flow control for JMS workloads. JMS messages can be classified based on JMS destination name, enabling the differentiation and prioritization of JMS messages. WebSphere Extended Deployment V6.0.1 does not provide routing or application edition support for JMS applications.
- **IIOP support**: Classification and flow control are also provided for IIOP workloads, specifically EJB requests that leverage that protocol. Classification can be done on the application name (the name the EAR is deployed under), EJB method name, EJB module name (the name of the EJB jar file), the EJB name, and the source and destination IP and ports. Support is limited to EJBs accessed by standalone EJB clients. EJBs accessed from servlets or other EJBs are not supported, nor are any augmented routing or application edition support provided for EJB applications in this release.

WebSphere platform product support

WebSphere Extended Deployment has been designed as an add-on to WebSphere Application Server Network Deployment so that it can offer extended quality of service for IBM software products and ISV applications that build on the application server. In this release, WebSphere Extended Deployment V6.0.1 is supported when used with the following WebSphere platform products:

- **WebSphere Process Server V6.0.1.0**
- **WebSphere Commerce V5.6.1.1**
- **WebSphere Portal Server V5.1.0.3**

WebSphere Extended Deployment optimizes application performance by using operational policies that reflect service-level goals and relative importance of applications to the organization. Simply put, you can state what applications are important to you, and those will get the highest priority access to your WebSphere resources at the right time. This can help ensure, for example, that your best customers get the best quality of service when they interact with you.

User requests are classified according to the organizations’ operational policies and then monitored and managed during execution to make sure that they meet desired service levels. Multiple techniques are available to classify user requests based on information within the request such as the Uniform Resource Identifier (URI), authenticated user identity, source IP address, or query parameters. In WebSphere Extended Deployment V6.0.1, support for classification of WebSphere Portal requests by virtual portal address has been added. In addition, classification by JMS destination name has been added for WebSphere Process Server.

The ability to classify user requests provides many opportunities to distinguish more important requests from those that may not require as immediate attention or as a high quality of service. In the case of commerce applications, the ability to prioritize buy requests from first time shopper can be significant. For portal requests, being able to classify by user identity may be helpful in meeting service goals for key users.

By having WebSphere Extended Deployment V6.0.1, with its robust goals-directed infrastructure, provide support for WebSphere platform products, an organization will have greater ability to achieve agreed-to service levels in a more consistent and predictable fashion.

**WebSphere Extended Deployment for z/OS V6.0.1**

WebSphere Extended Deployment is now available on the IBM zSeries and System z9™ platforms. WebSphere Extended Deployment for z/OS V6.0.1 combines the enhanced features of WebSphere Extended Deployment with the excellence of the zSeries and System z9 hardware. WebSphere Extended Deployment for z/OS extends the capabilities of the already robust WebSphere Application Server for z/OS.

Using WebSphere Application Server for z/OS as the software foundation, WebSphere Extended Deployment for z/OS delivers enhanced function centered on the application layer. WebSphere Application Server for z/OS integrates into the z/OS platform and takes full advantage of the operating system and its key features:

- **z/OS WLM** which is integrated into the WebSphere Application Server architecture to ensure scalability and workload prioritization at an enterprise level.
- **Resource recovery services** provide transactional integrity.
- **Tight configuration options** enable you to collocate your data and application server for super fast data exchange rates with no network latency.
- **Parallel Sysplex® support** for building highly available enterprises with redundant failover support at the most minute level.
- **Enterprise core asset support** for CICS® and IMS™ environments which are central to businesses.
While WebSphere Application Server for z/OS leverages the key abilities of the operating system, WebSphere Extended Deployment for z/OS focuses on delivering the same quality of excellence to the application infrastructure. By combining the value of the platform with the value of WebSphere Application Server for z/OS and WebSphere Extended Deployment for z/OS, your mission-critical production workloads have never been so easily or effectively managed.

For more information on WebSphere Extended Deployment for z/OS V6.0.1, refer to Software Announcement 205-343, dated December 20, 2005.

**Broad operating system platform support gives additional flexibility in deployment choices**

- **Broad operating system platform support** including 32-bit and 64-bit platforms; distributed and mainframe support:
  - IBM AIX® (32-bit, 64-bit)
  - HP-UX (32-bit, 64-bit)
  - Linux™ Intel® (32-bit, AMD64, EM64T)
  - Linux on zSeries (31-bit, 64-bit)
  - Microsoft® Windows™ (32-bit, AMD64, EM64T)
  - Solaris
  - z/OS (new in this release)

Refer to the Technical information section of this announcement for a comprehensive list of software requirements and supported platforms.

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

WebSphere Extended Deployment is capable as of February 24, 2006, when used in accordance with IBM’s associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) can be requested via IBM’s Web site at [http://www-3.ibm.com/able/product_accessibility/index.html](http://www-3.ibm.com/able/product_accessibility/index.html)

**Product positioning**

IBM can help you address the key priorities of an on demand operating environment, with the WebSphere Application Server family built on open industry standards:

- **WebSphere Application Server Community Edition**: Built on open-source technology to offer an application server that you can download and use at no charge.
- **WebSphere Application Server — Express**: Offers a turnkey solution for building and managing simple, yet dynamic Web sites with an easy-to-use development environment.
- **WebSphere Application Server**: The core J2EE and Web services application server, delivering a high-performance, scalable transaction engine for dynamic applications.
- **WebSphere Application Server Network Deployment**: Provides advanced deployment services that include clustering, edge-of-network services, and high availability for distributed configurations.
- **WebSphere Application Server for z/OS**: Runs on the highly secure, resilient zSeries server and uses the computing functionality and qualities of service of z/OS to provide security-rich business flexibility.

- **WebSphere Extended Deployment**: Delivers a dynamically scalable, easily manageable, and high-performance environment for running mixed application types and workload patterns.

These market-leading products enable a solid infrastructure foundation for tens of thousands of WebSphere customers ranging from small businesses, to large enterprises, to ISVs who rely on the WebSphere Application Server as the foundation for their solutions.

WebSphere Extended Deployment allocates resources and manages workload within the WebSphere environment, dynamically adjusting application resources, as needed, based on actual demand. WebSphere Extended Deployment integrates with Tivoli® Intelligent Orchestrator to enable scaling beyond the defined application server environment. When deemed necessary in order to meet business goals, WebSphere Extended Deployment can ask Tivoli Intelligent Orchestrator to dynamically provision and configure servers into the WebSphere resource pool.

WebSphere Extended Deployment also integrates with IBM Enterprise Workload Manager to broaden workload prioritization across application tiers. If needed, WebSphere Extended Deployment can coordinate workload with Enterprise Workload Manager to better achieve enterprise-wide defined business goals.

WebSphere Extended Deployment provides a powerful dynamic runtime environment that manages application performance by providing automated, goals-oriented, application traffic shaping and placement within a pool of resources. IBM Tivoli Composite Application Manager (ITCAM) delivers the ability to correlate an end-user experience through analysis of transaction instances. ITCAM identifies and isolates the root causes of application internal performance and availability problems. ITCAM also enhances the breadth of WebSphere Extended Deployment monitoring by integrating to other Tivoli solutions to monitor the health of the front-end and back-end systems in support of composite applications. Both solutions complement each other and deliver a powerful solution for increased productivity and customer satisfaction. WebSphere Extended Deployment manages the hosting environment to ensure that applications meet performance objectives and stay healthy until further root-cause analysis is completed. ITCAM monitors the end-user experience as well as determining and resolving application root causes for performance and availability problems.

**Statement of direction**

At a later date, IBM plans to have WebSphere Extended Deployment support other IBM software portfolio offerings built on the WebSphere Application Server, such as WebSphere ESB.

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

**Trademarks**

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Intel is a registered trademark of Intel Corporation.
Education support

The following educational offerings are available as listed below:

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<tr>
<td>Administration</td>
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IBM Global Services, IT Education Services, provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers are on the IBM IT Education Services Web site


Refer to the IBM IT Education Services Web site for information on course locations and availability dates.

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

IBM delivers a comprehensive portfolio of education services to help customers successfully deploy and integrate IBM's WebSphere Application and Integration middleware products to their maximum potential.

Education is a key component to ensuring software success. The IBM education team is committed to providing the highest quality education available to help your company prosper in today's competitive marketplace. We take pride in our ability to deliver successful education programs that provide your people with the skills necessary to make your business profitable using IBM software.

The IBM education team works closely with IBM product developers and IBM services organizations to ensure that the courses we offer provide the most up-to-the-minute technical and product information. Our courses place an emphasis on the advanced knowledge and insight that only these sources can provide. We draw from a deep pool of IBM technical experience in the development of our courses, and pass that knowledge on to our students.

For more information about available education offerings, refer to the Web site and search on the product name

http://www.ibm.com/software/sw-training

Skill-based roadmaps can be found on the following Web site


Offering Information

Product information is available via the Offering Information Web site

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

Also, visit the Passport Advantage® Web site

http://www.ibm.com/software/passportadvantage

Publications

No publications are shipped with this product.

The following WebSphere Extended Deployment user assistance functions are available:

- Product helps including ShowMe visual technology and Cheat Sheets.
- The InfoCenter is available on the Internet and as an Eclipse documentation plug-in download.
- PDFs built from the InfoCenter content are also available on the Internet.

The total set of product documentation is available in HTML and PDF format from the Web site


For optimal viewing of this documentation on the Internet, you need a Web browser that supports HTML 4 and CSS. To view a downloaded version of the InfoCenter, you must have a copy of either the IBM WebSphere Help System or Eclipse installed on your local machine. Terms and conditions for use of the machine readable files are shipped with the files.

Technical information

Specified operating environment

Hardware requirements

Visit


Software requirements

Visit


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.
Limitations: Language support in the national language version is limited to the languages supported by the operating system.

For additional information refer to “Usage Restrictions” in the Terms and conditions section of this announcement, or to the License Information Document that is available on the IBM Software License Agreement Web site


Planning information

Services solution

IBM QuickStart services are available to help accelerate your WebSphere Extended Deployment software project by performing an initial requirement and planning workshop, building a plan based on the architecture, and assisting in the installation and configuration. Mentoring will also be provided to ensure your staff has the skills to successfully deploy your critical solution.

During this effort, our experts will help you ensure the best practices and architectural elements are in place and that the applications under consideration can benefit from appropriate Extended Deployment features.

Typical activities

The following activities are provided as part of this QuickStart service:

Assessment Review Workshop

Lab consultants will review your architecture and create an “Assessment Summary Report” to reflect the proposed environment for your solution.

Appointed consultants will lead architectural assessment workshops, which will involve:

- Analyzing and defining the requirements of the hardware/software topology in terms of function, reliability, security, and performance.
- Documenting the architecture.
- Working with your team to understand the architecture and its implications for system development.

Installation and Configuration Workshop

The objective of the Installation and Configuration Workshop is to install, configure, and verify the WebSphere Extended Deployment in the development environment. The workshop will include:

- Installation and configuration of WebSphere Extended Deployment on four supported servers.
- Assistance with installation verification testing.
- Discussion focused on installation and configuration best practices.

Main deliverables

- Installation and configuration of WebSphere Extended Deployment.
- Assessment Summary Report.
- Valuable knowledge transfer.

Duration

The duration of this QuickStart service is estimated at 80 hours requiring one to two IBM consultants.

To learn more about our services or to contact a services sales specialist near you, visit us on the Web


Software Maintenance, previously referred to as Software Subscription and Technical Support, is included in the Passport Advantage Agreement. Installation and technical support is provided by the Software Maintenance offering of the IBM International Passport Advantage Agreement. This fee service enhances customer productivity, with voice and electronic access into IBM support organizations.

Packaging

WebSphere Extended Deployment V6.0.1 is shipped in one package that contains the following:

- IBM International Program License Agreement
- Service and Support Information Sheet

WebSphere Extended Deployment V6.0.1 has one CD-ROM.

This is a Passport Advantage Offering only which is distributed via electronic media and physical media packs. This program, when downloaded from an IBM Web site, contains the applicable IBM license agreement and License Information (LI) if appropriate, and will be presented for acceptance at the time of installation of the program. The license and LI will be stored in the root installation directory for future reference.

Security, auditability, and control

WebSphere Application Server uses the security features of the respective operating systems. The customer is responsible for evaluation and selection of the various WebSphere security features including the implementation of authentication and authorization policies. This responsibility extends to the administration of WebSphere security policies and security-related policies external to WebSphere, such as the operating environment, network topology/security, and physical security.

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

This product is only available via Passport Advantage. It is not available as shrinkwrap.

Product information

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<td>Processors</td>
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IBM using an IBM license management tool.

Customer agrees to periodically report program use to the program or a component of the program, executes. Based upon the highest utilization of the partitions where the required authorized use level for eligible programs is Sub-Capacity Processor.

1. The number of authorizations you must acquire is the smaller value of either of the following methods:
   - (a) The total number of activated (available for use) processors in the machine, or
   - (b) The sum of (i) and (ii) as follows (any remaining fraction of a processor must be rounded up to a full processor in the final aggregation)
     - (i) When the program is run in partitions with dedicated processors, the sum of the Processing Units of those partitions, and
     - (ii) When the program is run in partitions that are members of a Shared Processing Pool, the smaller of:
       a. The number of processors assigned to the pool, or
       b. The sum of the Virtual Processors of each Uncapped Partition plus the Processing Units in each Capped Partition running a program.

2. z/VM® guest charging
   - (a) The total number of activated (available for use) processors in the machine, or
   - (b) The sum of (i) and (ii) as follows (any remaining fraction of a processor must be rounded up to a full processor in the final aggregation)
     - (i) When the program is run in VM Guests with dedicated processors, the sum of the Integrated Facility for Linux (IFL) engines of those VM Guests, and
     - (ii) When the program is run in VM Guests that are members of a Shared Processing Pool (z/VM), the smaller of:
       a. The number of processors assigned to the z/VM pool, or
       b. The sum of the IFL engines in each z/VM pool running a program

Per managed processor

Charges are based on the activated processors on the machines in the computing environment affiliated with the program rather than on the server where the program is run. The managed processors which require PoEs are defined both in the Prices section of the announcement or the License Information’s Program-unique Terms.

1. If there are Program Components included in the offering whose function is not to be included in the charge metric, these must be listed in the Program-unique Terms of the License Information.
2. IBM defines a physical processor in a computer as a functional unit that interprets and executes instructions. A physical processor consists of at least an instruction control unit and one or more arithmetic and logic units.
3. Multicore technology allows two or more processors (commonly called "cores") to be active on a single silicon chip. Unless otherwise announced, with multi-core technology, IBM considers each “core” to be a physical processor. For example, in a dual-core chip, there are two physical processors residing on the single silicon chip.
4. In the zSeries’ Integrated Facility for Linux (IFL) environment, each IFL engine is considered a single “physical processor.”
5. Threading, a technique which makes a single processor seem to perform as two or more, does not affect the count of physical processors.
6. Where “blade” technology is employed, each “blade” is considered a separate server and charging is based upon the total number of processors on the blade on which the Program is run.

Sub-Capacity Processor

The required authorized use level for eligible programs is based upon the highest utilization of the partitions where the program or a component of the program, executes. Customer agrees to periodically report program use to IBM using an IBM license management tool.
5. In the zSeries’ Integrated Facility for Linux (IFL) environment, each IFL engine is considered a single “physical processor.”

6. Threading, a technique which makes a single processor seem to perform as two or more, does not affect the count of physical processors.

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Passport Advantage program licenses

WebSphere Extended Deployment

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Part description

WebS Extended Deployment Mixed Svr Environments Processors SW Maintenance 12 Months

Passport Advantage supply

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Passport Advantage customer: Media pack entitlement details

Customers with active maintenance or subscription for the products listed are entitled to receive the corresponding media pack.

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Entitled maintenance offerings

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Passport Advantage customer: Media pack entitlement details

Customers with active maintenance or subscription for the products listed are entitled to receive the corresponding media pack.

WebSphere Extended Deployment V6.0.1

Entitled maintenance offerings

<table>
<thead>
<tr>
<th>Media packs description</th>
<th>Part number</th>
</tr>
</thead>
</table>
Cross-platform product for use on zSeries

Order the part numbers that follow when there is an intention to acquire this cross-platform product for deployment on the zSeries/S/390® platform. This set of part numbers provides the identical supply and authorization as the other set in this announcement. The distinction is to identify the planned deployment platform.

Program name/ Part number
---
WS Ext Depl Mx Svr Env Client Devices License and SW Maintenance 12 Months D56YVLL
WS Ext Depl Mx Svr Env Client Devices SW Maintenance Annual Renewal E02CWLL
WS Ext Depl Mx Svr Env Client Devices SW Maintenance Reinstatement 12 Mo D56YWLL
WS Ext Depl Mx Svr Env Processors License and SW Maintenance 12 Months D5547LL
WS Ext Depl Mx Svr Env Processors SW Maintenance Annual Renewal E01TDLL
WS Ext Depl Mx Svr Env Processors SW Maintenance Reinstatement 12 Mo D5548LL
WebS Extended Deployment Processors SW Maintenance 12 Months D5543LL
WebS Extended Deployment Processors SW Maintenance Annual Renewal E01TBLL
WebS Extended Deployment Processors SW Maintenance Reinstatement 12 Mont D5544LL

Program name/ Part number
---
WebS Extended Deployment SubCapacity Processor License and SW Maintenance 12 D56YILL
WebS Extended Deployment SubCapacity Processor SW Maintenance Annual Renewal E02CSLL
WebS Extended Deployment SubCapacity Processor SW Maintenance Reinstatement D56YKLL

Sub-Capacity
IBM WebSphere Extended Deployment

Part number Part description
---
D56YILL WebS Extended Deployment SubCapacity Processor License and SW Maintenance 12
D56YELL WebS Extended Deployment SubCapacity Processor License and SW Maintenance 12
E02CSLL WebS Extended Deployment SubCapacity Processor SW Maintenance Annual Renewal
E02CRLL WebS Extended Deployment SubCapacity Processor SW Maintenance Annual Renewal
D56YKLL WebS Extended Deployment SubCapacity Processor SW Maintenance Reinstatement
D56YHLL WebS Extended Deployment SubCapacity Processor SW Maintenance Reinstatement

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Administration SC32-1430
Problem Determination SC32-9102
Data Dictionary SC32-1432
Release Notes SC32-1429

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On/Off Capacity on Demand
IBM WebSphere Extended Deployment

<table>
<thead>
<tr>
<th>Part description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>WebSphere Extended Deployment Operator Day Per Use-Day, On/Off Capacity on Demand</td>
<td>D5549LL</td>
</tr>
</tbody>
</table>

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License information form number

<table>
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<tbody>
<tr>
<td>WebSphere Extended Deployment</td>
<td>5724-J34</td>
<td>L-EBAN-6HJL E</td>
</tr>
</tbody>
</table>

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