



# IBM Worklight V5.0.6, IBM Mobile Foundation V5.0.6, and IBM Mobile Application Platform Pattern V5.0.6 deliver an open, comprehensive, and advanced mobile application middleware platform

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## At a glance

IBM® Mobile Foundation and IBM Worklight® are open standards-based, mobile application foundations, which offer accelerated delivery of innovative mobile applications. They help improve operational efficiency, reliability, administration, and control and also provide capabilities to help secure mobile solutions.

Enhancements in Version 5.0.6:

- **Mobile operating system (OS) currency**
  - Updated support for iOS 6.1, Android 4.2, BlackBerry 7.1 and 10, Windows™ 8, Windows RT, and Windows Phone 8 releases
- **Advanced security features**
  - Support for separate SSL certificates per HTTP adapters within the Worklight Server
  - Device-side, Single-Sign-On (SSO) support to simplify authentication across multiple mobile applications on a single device
  - IPv6 support
  - Default security configuration compliance with the NIST United States Government Configuration Baseline initiative
- **Application Center improvements**
  - Support for Blackberry
- **IBM Mobile Application Platform Pattern**
  - Simplifies and expedites installation and deployment of the Worklight Server's mobile applications and adapters from the integrated development environment (IDE).
  - Improves operational experience.
  - Supports scalability of back-end Worklight Server via PureApplication™ scaling policy.
  - Integrates Worklight application and adapter deployment capability with the IBM PureApplication System Workload Console.

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## Overview

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Enhancements in IBM Mobile Foundation V5.0.6 and IBM Worklight V5.0.6 include advances in security features and operational efficiency that build on the capabilities already delivered by IBM Mobile Foundation and IBM Worklight .

IBM Mobile Foundation V5.0.6 is a family of products that consists of IBM Worklight V5.0.6, IBM EndPoint Manager for mobile device management, and IBM WebSphere® Cast Iron® for connectivity. Together, they deliver an open, comprehensive, and advanced mobile application platform for smartphones and tablets. IBM Mobile Foundation is designed to enable organizations of all sizes to extend their business by efficiently implementing, connecting, securing, and managing HTML5, hybrid, and native mobile applications.

New in IBM Worklight V5.0.6:

- Updated mobile OS support (including iOS 6.1, Android 4.2, BlackBerry 7.1 and 10, Windows 8, Windows RT, and Windows Phone 8), IPv6 support, and expanded mobile OS support for Blackberry in the private application store. This support is intended to help developers and businesses deliver on the latest mobile environments.
- Security capabilities designed to help developers, chief information security officers, and businesses protect their mobile solutions. This includes support for separate SSL certificates per HTTP adapters for easier integration with SSO solutions, a new device-side SSO to simplify authentication across multiple mobile applications on a single device, and default security configuration compliance with the NIST United States Government Configuration Baseline initiative.
- IBM Mobile Application Platform Pattern, which deploys the Worklight Server on IBM PureApplication System for Power® and Intel™ . It enables administrators and businesses to respond quickly to changes in the business by taking advantage of on-premises Cloud technologies. This approach helps save IT resources by simplifying deployment and improving operational efficiency to cope with increased mobile demand. The demand accelerates the iteration of solutions that exceed traditional demand cycles. Deploying the IBM Mobile Application Platform Pattern on IBM PureApplication System also enables access to best practices and built-in expertise, such as built-in scaling policies.

As part of the IBM mobile platform, Worklight can be integrated with complementary application lifecycle, security, management, and analytics capabilities to help you address the unique mobile needs of your business.

For ordering, contact Your IBM representative or an IBM Business Partner. For more information contact the Americas Call Centers at 800-IBM-CALL (426-2255). Reference: YE001

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## Key prerequisites

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- AIX® , HP-UX, Linux™ , Mac OS, Solaris, and Windows operating systems
- Mobile operating systems that include iOS, Android, Blackberry, Windows RT, and Windows Phone
- IBM PureApplication System for IBM Mobile Application Platform Pattern

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## Planned availability date

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- March 15, 2013 - Electronic delivery
- April 19, 2013 - Media packs

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## Description

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IBM Worklight V5.0.6, IBM Mobile Foundation V5.0.6, and IBM Mobile Application Platform Pattern V5.0.6 help simplify the development of mobile web, hybrid, and native applications across multiple mobile platforms that include iOS, Android, BlackBerry, Windows, Windows RT, and Windows Phone. They provide visual development capabilities and source code enhancements to help developers accelerate development, test, and deliver mobile applications.

The Version 5.0.6 offering consists of the following products and components:

- IBM Worklight, Enterprise Edition
- IBM Worklight, Consumer Edition
- IBM Worklight, Enterprise Edition for non-production environment
- IBM Worklight, Consumer Edition Additional Brand Deployment
- IBM Mobile Foundation, Enterprise Edition
- IBM Mobile Foundation, Consumer Edition
- IBM Mobile Foundation, Enterprise Edition for non-production environment
- IBM Mobile Foundation, Consumer Edition Additional Brand Deployment
- IBM Mobile Application Platform Pattern, Consumer Edition<sup>1</sup>
- IBM Mobile Application Platform Pattern, Enterprise Edition<sup>1</sup>
- IBM Mobile Application Platform Pattern, Enterprise Edition for non-production environment<sup>1</sup>

<sup>1</sup> New

IBM Worklight, Enterprise Edition V5.0.6 has pricing metrics aligned with business-to-enterprise (B2E) purchasing patterns. IBM Worklight, Consumer edition V5.0.6 includes pricing metrics aligned with business-to-consumer (B2C) purchasing patterns.

### **IBM Mobile Foundation, Enterprise Edition V5.0.6**

Mobile Foundation, Enterprise Edition V5.0.6 delivers the essential elements needed for mobile development, deployment, and management in B2C, business-to-business (B2B), and B2E environments. The Mobile Foundation, Enterprise Edition V5.0.6 consists of:

- IBM Worklight V5.0.6 for mobile application development and delivery
- IBM Endpoint Manager for Mobile Devices for complete, end-to-end Mobile Device Management (MDM). Refer to Software Announcement [212-065](#), dated March 6, 2012.
- WebSphere Cast Iron Hypervisor Edition for advanced connectivity to back-end systems. Refer to Software Announcement [212-494](#), dated December 11, 2012.

### **IBM Mobile Foundation, Consumer Edition V5.0.6**

Mobile Foundation, Consumer Edition V5.0.6 delivers the essential elements needed for mobile development, deployment, and management in primarily a B2C deployment model. It consists of:

- IBM Worklight V5.0.6 for mobile application development and delivery
- WebSphere Cast Iron Hypervisor Edition for advanced connectivity to back-end systems

IBM Worklight V5.0.6 provides five main capabilities:

- Studio - A comprehensive, cross-platform, standards-based extensible environment that maximizes code reuse and per-device optimization. Studio also includes a rich, drag-and-drop, WYSIWYG development environment.

- Server - Mobile-optimized middleware that provides a services layer to support back-end integration, version management, security, and unified push notification mechanisms.
- Device Runtime - Extensible libraries and client APIs that expose and interface with native device capabilities, such as the camera, accelerometer, and contact lists, using standard web skills.
- Console - A web-based, administration interface for real-time control of your mobile application and infrastructure.
- Application Center - A private application store that helps developers get feedback on their mobile applications from testers and stakeholders.

## **Studio**

IBM Worklight helps simplify the development of mobile web, hybrid, and native applications across multiple mobile platforms, including iOS, Android, BlackBerry, Windows , Windows RT, and Windows Phone. It provides visual development capabilities and source code enhancements to help developers accelerate development, test, and deliver mobile applications. IBM Worklight includes an optimization framework to enable the delivery of a rich user experience that adheres to the unique capabilities and styling requirements of multiple mobile target environments and helps maximize the sharing of the codebase among environments. This helps to reduce costs of development, time to market, and ongoing management efforts.

## **Server**

This mobile-optimized, middleware component facilitates connectivity between the mobile applications and the enterprise backend. It supports Mobile Application Management (MAM) and mobile application authenticity checks, mobile usage statistics and reports. It also facilitates authentication framework integration for SSO and uniform architecture of push notifications that allows the enterprise to initiate engagement with the application users, regardless of whether the application is running or not.

## **Device Runtime**

Device Runtime components are a set of developer libraries that are compiled into the mobile applications and are designed to complement server-side function. Device Runtime components also provide on-device, synchronized, and encrypted storage facilities for storing sensitive data on the device and to collect diagnostics and usage data for reporting and analytics.

## **Console**

With the console, administrators can remotely disable applications based on predetermined rules of application version and mobile device. It directs users to a new version of the application, if necessary. They can also deploy new versions of an application's web code and automatically push the versions to users (depending on the terms and conditions provided by the mobile device vendor).

Administrators can also monitor the push notification framework and enable or disable notifications to specific applications. Furthermore, administrators can access reports describing application adoption and usage, or integrate with the enterprise Business Intelligence (BI) system to perform custom analytics on mobile usage data.

## **Application Center**

The Worklight Application Center can function as an enterprise application store, by providing a place to deploy mobile applications across platforms with appropriate access control and role based security. In addition, for those customers who want to deploy mobile applications to the IBM Endpoint Manager for Mobile Devices, the process of moving mobile applications from development with IBM Worklight to production deployment with IBM Endpoint Manager for Mobile Devices is simplified.

## **New with IBM Mobile Foundation V5.0.6**

IBM Worklight V5.0.6 adds support for separate SSL certificates per HTTP adapters for easier integration with SSO solutions, as well as a new, device-side SSO to simplify authentication across multiple mobile applications on a single device. It also adds default security configuration compliance with United States Government Configuration Baseline initiative.

IBM Mobile Application Platform Pattern, which deploys the Worklight Server on IBM PureApplication System for Power and Intel, enables administrators and businesses to respond quickly to changes in the business by taking advantage of on-premises Cloud technologies. This approach helps save valuable IT resources by simplifying deployment and improving operational efficiency to cope with increased mobile demand. The demand accelerates iteration of solutions that exceed traditional demand cycles. Deploying the IBM Mobile Application Platform Pattern on IBM PureApplication System also enables access to best practices and built-in expertise, such as built-in scaling policies.

As part of the IBM mobile platform, Worklight can be integrated with complementary application lifecycle, security, management, and analytics capabilities to help you address the unique mobile needs of your business.

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

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

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

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## **Product positioning**

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IBM Worklight V5.0.6 is a core product within the overall IBM mobile strategy and part of the IBM Mobile Foundation family of products. Worklight offers organizations a wide set of services aimed at helping them develop and deploy rich, cross-platform mobile applications that connect mobile employees and customers to enterprise back-end systems and cloud-based services.

IBM Worklight V5.0.6 is based on open standards rather than proprietary scripting languages, automatic compilers, and code translators. This helps businesses protect their mobile investment, reduce development costs, and avoid technology lock-ins.

IBM Worklight, together with the additional products from IBM's portfolio described in the following text, enables companies to address the entire lifecycle of their mobile initiative.

Together with other IBM integration offerings, such as WebSphere Cast Iron Hypervisor Edition and WebSphere DataPower® Appliance, WebSphere Message Broker, and WebSphere MQ, IBM Worklight V5.0.6 provides comprehensive integration to back-end systems and cloud-based services. For additional information on WebSphere Cast Iron Hypervisor Edition V6.3, refer to Software Announcement [212-494](#), dated December 11, 2012.

IBM Endpoint Manager for Mobile Devices, along with IBM Worklight V5.0.6, allows enterprises to deliver a solution that covers both mobile application development and Mobile Device Management (MDM). For additional information on IBM Endpoint Manager for Mobile Devices, refer to Software Announcement [212-065](#), dated March 6, 2012.

In addition, IBM Lifecycle Management offerings such as Rational Team Concert™, Rational® Quality Manager, and Rational Requirements Composer help deliver improved team collaboration and reduced development time through automated builds of multiple mobile device operating systems, test plan optimization, project planning, and development intelligence.

WebSphere Application Server Web 2.0 and Mobile Toolkit (previously known as the WebSphere Application Server Web 2.0 and Mobile Feature Pack) enable WebSphere customers to develop mobile web applications, while IBM Worklight V5.0.6 allows for the development of web, hybrid, and native applications. Applications built with WebSphere Application Server Web 2.0 and Mobile Toolkit can easily move up to IBM Worklight V5.0.6 for application store presence, full mobile device access, and off-line capabilities.

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## Statement of direction

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- As the desktop, server, and mobile operating system platforms are updated, IBM plans to provide IBM Worklight service updates to support updated operating system levels, assuming forward compatibility. IBM will test internally with available Beta releases from the operating system vendors, and intends to provide necessary updates in the IBM Worklight service stream as soon as possible after general availability of updated operating system levels.
- As part of the IBM Mobile Foundation product offering, IBM intends to provide additional platform support for the IBM Worklight product offerings in response to customer feedback and market demand. With the current expectation of the needs of our enterprise customers, IBM anticipates extending support to IBM System z® hardware and the IBM z/OS® operating system in the future.
- IBM intends to deliver enhanced support for mobile applications interacting with IBM CICS® Transaction Server for z/OS ( CICS TS) services, using the lightweight data-interchange format JavaScript™ Object Notation (JSON). In addition, IBM intends to introduce support for deploying qualified new CICS TS workloads on IBM System z New Application License Charges (zNALC) Logical Partitions (LPARs). Qualified new CICS TS applications, including approved mobile and service-enabled applications running in the CICS TS Java™ Virtual Machine (JVM) Server, will be eligible for CICS TS one-time-charge (OTC) pricing when deployed to a zNALC LPAR.

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

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## Reference information

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For additional information on IBM Worklight V5.0.5 and IBM Mobile Foundation V5.0.5, refer to Software Announcement [212-368](#), dated October 2, 2012.

For additional information on IBM PureApplication System W1500, refer to Software Announcement [212-117](#), dated April 11, 2012.

For additional information on IBM PureApplication System W1700 refer to Software Announcement [213-091](#), dated February 5, 2013.

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## Program number

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Program number	VRM	Program name
5725-I41	5.0.6	IBM Mobile Foundation Enterprise Edition
5725-I42	5.0.6	IBM Mobile Foundation Consumer Edition
5725-I43	5.0.6	IBM worklight
5725-G24	5.0.6	IBM Mobile Application Platform Pattern

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## Additional information

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To learn more about IBM Mobility Services and IBM Software Services, or to contact a software services sales specialist, visit

<http://www.ibm.com/services/us/en/it-services/mobility-services.html>  
<http://www.ibm.com/software/sw-services/>

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## Education support

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Whether your goal is to successfully build, run, and manage mobile applications across mobile platforms, or to integrate WebSphere middleware into your IT infrastructure, WebSphere Education delivers a range of training options to help you achieve maximum business benefit from your investment.

### **A unique curriculum built on intimate product knowledge**

The WebSphere curriculum provides a unique training value built on exclusive product knowledge. The WebSphere Education team works closely with IBM product developers and services organizations to ensure that our courses provide the most current information. WebSphere Education training places an emphasis on the advanced knowledge and insight that only these knowledgeable sources can provide.

IBM draws from a deep pool of IBM technical experience in the development of educational programs and courses, and passes that knowledge on to you. With over 200 courses across multiple curriculum areas, WebSphere Education provides training which spans the spectrum of skill needs from introductory product overviews to advanced programming and administration.

The WebSphere Education portfolio includes training offerings for IBM Worklight , which includes topics such as developing mobile applications for consumer and enterprise environments, and managing applications and services across various mobile platforms.

### **Flexible training options**

WebSphere Education offers several training options to meet your budget and time goals. Many offerings are delivered in a traditional classroom setting, at either your location or an IBM training center. Online delivery options are also available. Instructor-led, online classes are taught in real time by an instructor in a virtual classroom setting. Or, for a more independent training experience, you may select from a wide-variety of self-paced, online courses, which you may complete on your schedule.

For more information about available WebSphere Education offerings, including course locations and availability dates, visit

<http://www.ibm.com/websphere/education>

Role-based training paths can be found at

<http://www.ibm.com/software/websphere/education/paths/>

IBM Mobile Application Development Training path is available at

<http://www-304.ibm.com/jct03001c/services/learning/ites.wss/us/en?pageType=page&c=E819643G61508F78>

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## Offering Information

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Product information is available via the Offering Information website

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

Also, visit the Passport Advantage® website

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

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## Publications

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The primary delivery and latest product documentation for IBM Worklight V5.0.6 can be found available in PDF format as a feature link for the product on the following website

<http://www.ibm.com/mobile-docs>

You can find links to information on administrating and getting started with the IBM Mobile Application Platform Server in the readme file (readme.html) located on the root of the installation image.

Product documentation will be supplied only in the English language.

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## Technical information

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### **Specified operating environment**

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#### ***Hardware requirements***

##### **Servers**

##### **AIX**

IBM POWER® and POWER+ family of processors supported by the corresponding release of AIX .

- Supported hardware for AIX V6.1
- Supported hardware for AIX V7.1

##### **HP-UX**

- Intel Itanium™ processor 9300 Series
- Intel Itanium 2 processor

##### **Linux**

- Intel Core i5 or AMD K8, or later processor
- Any System z processor supported by the required Linux operating systems
- IBM POWER family of processors supported by the Linux distribution

##### **Solaris**

- Oracle Solaris operating environment compatible SPARC workstation
- Intel Core i5 or AMD K8, or later 64-bit processor

##### **Windows**

Intel Core i5 or AMD K8, or later processor



## **Macintosh**

Intel Core i5 or later processor

### ***Software requirements***

#### **Supported server and desktop operating systems**

- AIX V6.1
- AIX V7.1
- HP-UX 11i v2
- HP-UX 11i v3
- Red Hat Enterprise Linux (RHEL) 6 Desktop, Server, and Client editions
- Red Hat Enterprise Linux (RHEL) 5 Update 6 Advanced Platform
- SUSE Linux Enterprise Desktop (SLED) 10 and 11
- SUSE Linux Enterprise Server (SLES) 10 and 11
- Windows Server 2008 R2 Enterprise, Datacenter, Standard editions
- Windows Vista Enterprise, Ultimate
- Windows XP Professional
- Windows 7 Enterprise, Professional, Ultimate
- Windows 8
- Macintosh OS X 10.6.3 Snow Leopard, 10.7 Mountain Lion
- Solaris 10

#### **Supported server-related and desktop-related software**

- Apache Tomcat 7.0 and future fix packs.
- WebSphere Application Server, that includes Liberty Profile, V8.5 and future modification levels and fix packs.
- WebSphere Application Server Network Deployment V8.5 and future modification levels and fix packs.
- WebSphere Application Server Network Deployment V8.0 and future modification levels and fix packs.
- WebSphere Application Server Network Deployment V7.0 and future modification levels and fix packs.
- Rational Team Concert 4.0 and future fix packs.
- Rational Team Concert 3.0.1 and future fix packs.
- WebSphere DataPower Integration Appliance XI52 and XG45 V5.0 and future modification levels and fix packs.
- WebSphere Message Broker V8.0 and future modification levels and fix packs.
- WebSphere MQ V7.0.1 and future modification levels and fix packs.
- IBM Derby SDK 10.8 and future modification levels and fix packs.
- Oracle Database 11g Standard/Enterprise Editions Release 1 and future modification levels and fix packs
- MySQL 5.1 or 5.5 and future modification levels and fix packs.
- DB2® Enterprise Server Edition V10.1 and future modification levels and fix packs.
- Eclipse 3.6.2, 3.7.2, and 4.2, with modification levels and fix packs.

## Supported target mobile device operating systems

- Android 2.2
- Android 2.3
- Android 4.0
- Android 4.1
- Android 4.2
- iOS 5
- iOS 6
- iOS 6.1
- Blackberry 6.0
- Blackberry 7.0
- Blackberry 7.1
- Blackberry 10.0
- Windows Phone 7.5
- Windows Phone 8.0
- Windows 8.0
- Windows RT

## Supported target mobile device-related software

- Apache Cordova 2.3
- JQuery 1.8 and future modification levels and fix packs
- JQuery Mobile 1.1 and future modification levels and fix packs
- Dojo 1.8 and future modification levels and fix packs
- Sencha Touch 2 and future modification levels and fix packs

For additional information and updates, visit

<http://www-01.ibm.com/support/docview.wss?uid=swg27024838>

This website will be updated with the currently supported software on the general availability date.

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.

## **Companion products**

The following products integrate well with IBM Worklight and IBM Mobile Foundation solutions to deliver unified front-end and back-end mobile development:

- WebSphere DataPower Integration Appliance XI52 and XG45 V5.0
- Rational IDE V8.5.1 products ( Rational Application Developer for WebSphere Software, Rational Software Architect for WebSphere Software, Rational Developer for System z , and Rational Developer for Power System Software)

The following products provide specific support for IBM Worklight and IBM Mobile Foundation and provide a more robust solution:

- IBM Mobile Development Lifecycle Solution (IMDLS) ( Rational Requirements Composer, Rational Team Concert , Rational Quality Manager, and IBM Worklight )
- IBM Security Access Manager (ISAM)

- WebSphere Portal
- Rational Test Workbench, to virtualize middle tiers and back-end services, including Worklight Server, to implement continuous test integration
- WebSphere DataPower
- WebSphere Extreme Scale
- WebSphere Message Broker

### **Limitations**

For additional information, refer to the [Terms and conditions](#) section of this announcement, or to the license information document that is available on the IBM Software License Agreement website

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

### **Planning information**

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#### **Direct customer support**

Direct customer support is provided by IBM Operational Support Services - SoftwareXcel. This fee service enhances your productivity by providing voice and electronic access into the IBM support organization. IBM Operational Support Services - SoftwareXcel helps answer questions pertaining to usage and suspected software defects for eligible products.

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

For technical support or assistance, contact your IBM representative or visit

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

#### **Packaging**

The IBM Worklight V5.0.6 and IBM Mobile Foundation V5.0.6 packages will include the following DVDs in their specific media packs:

- IBM Mobile Foundation, Enterprise Edition V5.0.6
  - IBM Mobile Foundation, Enterprise Edition
  - Rational Enterprise Deployment V1.6.1
  - WebSphere Cast Iron Hypervisor V6.3
  - IBM Tivoli® Endpoint Manager Platform Install V9.0
  - IBM DB2 V10.1 Limited Use for Linux
- IBM Mobile Foundation, Consumer Edition V5.0.6
  - IBM Mobile Foundation, Consumer Edition
  - Rational Enterprise Deployment V1.6.1
  - WebSphere Cast Iron Hypervisor V6.3
- IBM Worklight , Enterprise Edition V5.0.6
  - IBM Worklight , Enterprise Edition
  - Rational Enterprise Deployment V1.6.1
- IBM Worklight , Consumer Edition V5.0.6
  - IBM Worklight , Consumer Edition
  - Rational Enterprise Deployment V1.6.1

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

## Security, auditability, and control

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

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## Software Services

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

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

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

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## Ordering information

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

These products may only be sold directly by IBM or by authorized IBM Business Partners for Software Value Plus.

For more information about IBM Software Value Plus, visit

[http://www.ibm.com/partnerworld/page/svp\\_authorized\\_portfolio](http://www.ibm.com/partnerworld/page/svp_authorized_portfolio)

To locate IBM Business Partners for Software Value Plus in your geography for a specific Software Value Plus portfolio, visit

<http://www.ibm.com/partnerworld/wps/bplocator/>

Product name/title	Product group	Product category
IBM Mobile Foundation v5.0.6	Application Integration Middleware	websphere

### **Charge metric**

Program name	PID number	Charge metric
IBM Mobile Foundation Enterprise Edition	5725-I41	Client Device Install
IBM Mobile Foundation Consumer Edition	5725-I42	Application
IBM worklight	5725-I43	Client Device Install Application
IBM Mobile Application Platform Pattern	5725-G24	Client Device Application Virtual Server

Metric definitions are available at

[http://www.ibm.com/software/lotus/passportadvantage/about\\_software\\_licensing.html](http://www.ibm.com/software/lotus/passportadvantage/about_software_licensing.html)

## Install

Install is a unit of measure by which the program can be licensed. An install is an installed copy of the program on a physical or virtual disk made available to be executed on a computer. Licensee must obtain an entitlement for each install of the program.

## Application

Application is a unit of measure by which the program can be licensed. An Application is a uniquely named software program that is separately installable on a computing device. Licensee must obtain sufficient Application entitlements to cover all Applications that incorporate any portion of, connect to, or are managed by the program.

## Virtual Server

Virtual Server is a unit of measure by which the program can be licensed. A server is a physical computer that is comprised of processing units, memory, and input/output capabilities and that executes requested procedures, commands, or applications for one or more users or client devices. Where racks, blade enclosures, or other similar equipment is being employed, each separable physical device (for example, a blade or a rack-mounted device) that has the required components is considered itself a separate server. A virtual server is either a virtual computer created by partitioning the resources available to a physical server or an unpartitioned physical server. Licensee must obtain Virtual Server entitlements for each virtual server made available to the program, regardless of the number of processor cores in the virtual server or the number of copies of the program on the virtual server.

## Client Device

Client Device is a unit of measure by which the program can be licensed. A Client Device is a single-user, computing device or special-purpose sensor or telemetry device that requests the execution of or receives for execution a set of commands, procedures, or applications from or provides data to another computer system that is typically referred to as a server or is otherwise managed by the server. Multiple Client Devices may share access to a common server. A Client Device may have some processing capability or be programmable to allow a user to do work. Examples include, but are not limited to, actuators, appliances, automated teller machines, automatic meter readers, cash registers, disk drives, desktop computers, kiosks, notebook computers, personal digital assistants, point-of-sale terminals, sensors, smart meters, tape drives, and technical workstations. Licensee must obtain entitlements for every Client Device that runs, provides data to, uses services provided by, or otherwise accesses the program and for every other computer or server on which the program is installed.

## Passport Advantage

Program name/Description	Part number
IBM Mobile Foundation, Enterprise Edition (5725-I41)	
Per Client Device	
License + SW Subscription & Support 12 Months	D0PM3LL
Annual SW Subscription & Support Renewal	E0DSHLL
SW Subscription & Support Reinstatement 12 Months	D0PM4LL

Per Install  
 License + SW Subscription & Support 12 Months D0PM7LL  
 Annual SW Subscription & Support Renewal E0DSJLL  
 SW Subscription & Support Reinstatement 12 Months D0PM8LL

IBM Mobile Foundation, Enterprise Edition for Non-Production Environment

Per Install Non-Production  
 License + SW Subscription & Support 12 Months D0UXGLL  
 Annual SW Subscription & Support Renewal E0F1JLL  
 SW Subscription & Support Reinstatement 12 Months D0UXHLL

IBM Mobile Foundation, Consumer Edition (5725-I42)

Per Application  
 License + SW Subscription & Support 12 Months D0PMDLL  
 Annual SW Subscription & Support Renewal E0DSL LL  
 SW Subscription & Support Reinstatement 12 Months D0PMELL

IBM Mobile Foundation, Consumer Edition Additional Brand Deployment

Per Application  
 License + SW Subscription & Support 12 Months D0TD6LL  
 Annual SW Subscription & Support Renewal E0EKSLL  
 SW Subscription & Support Reinstatement 12 Months D0TD7LL

IBM worklight (5725-I43)

IBM worklight, Enterprise Edition

Per Client Device  
 License + SW Subscription & Support 12 Months D0PMQLL  
 Annual SW Subscription & Support Renewal E0DSQLL  
 SW Subscription & Support Reinstatement 12 Months D0PMRLL

Per Install  
 License + SW Subscription & Support 12 Months D0PMTLL  
 Annual SW Subscription & Support Renewal E0DSRLL  
 SW Subscription & Support Reinstatement 12 Months D0PMULL

IBM worklight, Enterprise Edition for Non-Production Environment

Per Install  
 License + SW Subscription & Support 12 Months D0UXKLL  
 Annual SW Subscription & Support Renewal E0F1LLL  
 SW Subscription & Support Reinstatement 12 Months D0UXLLL

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IBM worklight, (5725-G92) Consumer Edition per Application	IBM Mobile Foundation, Consumer Edition (5725-I42) per Application	D0UXELL
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Media pack name	Media pack part number
5765-I41 IBM Mobile Foundation, Enterprise Edition V5.0.6 Multiplatform English Media Pack	BA15XEN
5765-I42 IBM Mobile Foundation, Consumer Edition V5.0.6 Multiplatform English Media Pack	BA15YEN
5765-I43 IBM Worklight, Enterprise Edition V5.0.6 Multiplatform English Media Pack	BA15ZEN
5765-I43 IBM Worklight, Consumer Edition V5.0.6 Multiplatform English Media Pack	BA160EN

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Per Install for Linux on System z	
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Linux on System z Annual SW S&S Renewal	E0DSKLL
Linux on System z SW S&S Reinstate 12 Months	D0PMBLL
IBM Mobile Foundation, Enterprise edition for Non-Production Environment	
Per Install for Linux on System z	
Linux on System z License + SW S&S 12 Months	D0UXILL
Linux on System z Annual SW S&S Renewal	E0F1KLL
Linux on System z SW S&S Reinstate 12 Months	D0UXJLL
IBM Mobile Foundation, Consumer Edition (5725-I42)	
Per Application for Linux on System z	
Linux on System z License + SW S&S 12 Months	D0PMGLL
Linux on System z Annual SW S&S Renewal	E0DSMLL
Linux on System z SW S&S Reinstate 12 Months	D0PMHLL
IBM Mobile Foundation, Consumer Edition Additional Brand Deployment	
Per Application for Linux on System z	
Linux on System z License + SW S&S 12 Months	D0TD8LL
Linux on System z Annual SW S&S Renewal	E0EKTLL
Linux on System z SW S&S Reinstate 12 Months	D0TD9LL



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IBM Worklight, Enterprise Edition

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Linux on System z SW S&S Reinstate 12 Months	D0PMXLL

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Per Install for Linux on System z	
Linux on System z License + SW S&S 12 Months	D0UXMLL
Linux on System z Annual SW S&S Renewal	E0F1MLL
Linux on System z SW S&S Reinstate 12 Months	D0UXNLL

IBM Worklight, Consumer Edition

Per Application for Linux on System z	
Linux on System z License + SW S&S 12 Months	D0PN2LL
Linux on System z Annual SW S&S Renewal	E0DSULL
Linux on System z SW S&S Reinstate 12 Months	D0PN3LL

IBM Worklight, Consumer Edition Additional Brand Deployment

Per Application for Linux on System z	
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Linux on System z Annual SW S&S Renewal	E0EKVLL
Linux on System z SW S&S Reinstate 12 Months	D0TDDL

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IBM Worklight, Enterprise Edition V5.0.6	L-STHN-945U2T
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