IBM Worklight V5.0.5 and IBM Mobile Foundation V5.0.5 deliver an open, comprehensive, and advanced mobile application platform for smartphones and tablets

Table of contents

At a glance

IBM® Mobile Foundation V5.0.5 provides the essential elements needed for mobile development, deployment, and management within a business:

- Mobile application development and delivery
- Complete end-to-end Mobile Device Management (MDM)
- Advanced connectivity to back-end systems and cloud-based services that is optimized for mobile devices
- Advanced application management for updates and version control

IBM Worklight V5.0.5 and Mobile Foundation V5.0.5 enable you to develop rich, cross-platform applications that can access the full capabilities of a wide range of mobile devices. Worklight V5.0.5 can help reduce time-to-market, cost, and complexity of development, while enabling an optimized customer and employee user experience across multiple environments.

Worklight helps you:

- Build applications by using standard technology, such as HTML5, software development kits (SDKs), and integration with the growing ecosystem of third-party tools, libraries, and frameworks.
- Connect mobile applications to a variety of enterprise back-end systems and cloud services through mobile-optimized middleware.
- Manage a portfolio of applications and the lifecycle of their content from one centralized administration console.
- Secure mobile applications through numerous protection mechanisms, such as encrypted storage, online and offline authentication, and more.

New in Mobile Foundation V5.0.5

- **Mobile Application Governance**
  - Worklight provides an enterprise application store for production apps, based on the Worklight App Center.
  - The process of moving mobile applications from development with Worklight to production deployment with IBM Endpoint Manager for Mobile Devices is simplified.

- **Advanced security features**
  - Improved documentation for security infrastructure integration and application usage
  - Extensible and server-driven model for authenticating users, apps, devices, and mobile operating systems
- **Advanced mobile data support -** Worklight includes a new embedded mobile database for offline data with robust encryption and data management abilities that include synchronization
- **API extensions -** Worklight can make it easier for third parties to expose their APIs and service to Worklight developers.
- **Short Messaging Service (SMS) notifications -** Worklight extends current notification capabilities with SMS as a delivery channel.
- **jQuery support -** Worklight Studio V5.0.5 adds enhancements for development tools for jQuery.

Overview

Mobile Foundation V5.0.5 is a family of products which includes Worklight V5.0.5 and delivers an open, comprehensive, and advanced mobile application platform for smartphones and tablets. It is designed to enable organizations of all sizes to extend their business by efficiently implementing and managing HTML5, hybrid, and native applications.

It can also help reduce time-to-market, development costs, and ongoing maintenance efforts. As part of the Mobile platform, Worklight can be integrated with 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

Key prerequisites

AIX® , HP-UX, Linux™ , Mac OS, Solaris, Windows™ , and mobile operating systems including iOS, Android, Blackberry, and Windows Phone

Planned availability date

November 16, 2012

- Electronic delivery
- Media packs

Description

Worklight V5.0.5 and Mobile Foundation V5.0.5 simplify the development of mobile web, hybrid, and native applications across multiple mobile platforms, including iOS, Android, BlackBerry, and Windows Phone. It provides visual development capabilities and source code enhancements to help developers accelerate development, test, and delivery of mobile applications.

Mobile Foundation V5.0.5 consists of the following products and components:

- Worklight, Enterprise edition
- Worklight, Consumer Edition
- Worklight, Enterprise Edition for Nonproduction Environment

- Worklight, Additional Brand Deployment
- Mobile Foundation, Enterprise Edition
- Mobile Foundation, Consumer Edition
- Mobile Foundation, Enterprise Edition for Nonproduction Environment
- Mobile Foundation, Additional Brand Deployment

Worklight, Enterprise Edition V5.0.5 has pricing metrics aligned with business-to-enterprise (B2E) purchasing patterns. Worklight, Consumer Edition V5.0.5 includes pricing metrics aligned with business-to-consumer (B2C) purchasing patterns.

Mobile Foundation, Enterprise Edition V5.0.5

Mobile Foundation, Enterprise Edition V5.0.5 delivers the essential elements needed for mobile development, deployment, and management in B2C, B2B, and B2E environments. The Mobile Foundation, Enterprise Edition V5.0.5 consists of:

- Worklight V5.0.5 for mobile application development and delivery
- Endpoint Manager for Mobile Devices for complete end-to-end Mobile Device Management (MDM) (Software Announcement 212-065, dated March 6, 2012)
- WebSphere® Cast Iron® Hypervisor Edition for advanced connectivity to back-end systems (Software Announcement 211-327, dated August 23, 2011)

Mobile Foundation, Consumer Edition V5.0.5

Mobile Foundation, Consumer Edition V5.0.5 delivers the essential elements needed for mobile development, deployment, and management in primarily a B2C deployment model. It consists of:

- Worklight V5.0.5 for mobile application development and delivery
- WebSphere Cast Iron Hypervisor Edition for advanced connectivity to back-end systems

Worklight V5.0.5 provides five main capabilities:

- Studio - A comprehensive, 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 contacts, using standard web skills
- Console - A web-based administration interface for real-time control of your mobile application and infrastructure
- Application Center - A private app store that helps developers get feedback on their mobile applications from testers and stakeholders.

Studio

Worklight V5.0.5 simplifies the development of mobile web, hybrid, and native applications across multiple mobile platforms. This includes iOS, Android, BlackBerry, and Windows Phone. It provides visual development capabilities and source code enhancements to help developers accelerate development, test, and delivery of mobile applications. Worklight V5.0.5 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.

In the development process, Worklight V5.0.5 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 back-end. The server can deliver back-end data in a mobile-friendly format (from both communication and developer perspectives). It reduces requests over the mobile network, and allowing the implementation of more complex logic on the server. Another capability of the server as mobile middleware is the 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, 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, directing 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 them 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 Appstore, providing a place to deploy mobile applications 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 Worklight to production deployment with IBM Endpoint Manager for Mobile Devices is simplified.

New with Mobile Foundation V5.0.5

- **Mobile Application Governance**
  - Worklight provides an enterprise application store for production apps, based on the Worklight App Center.
  - Worklight and Endpoint Manager for Mobile Devices can integrate key application management functions and usage information to streamline management of mobile devices and their applications.
  - The process of moving mobile applications from development with Worklight to production deployment with Endpoint Manager for Mobile Devices is simplified.
- **Advanced security features**
  - Extensible and server-driven model for authenticating users, apps, devices, and mobile operating systems provides enhanced security tools for application developers.
  - Improved documentation for security infrastructure integration and application usage
- **Advanced mobile data support -** Worklight includes a new embedded mobile database for offline data with robust encryption and data management abilities that include synchronization.
- **API extensions -** Worklight can make it easier for third parties to expose their APIs and service to Worklight developers.

- **Short Messaging Service (SMS) Notifications -** Worklight will extend current notification capabilities with SMS as a delivery channel.
- **jQuery support -** Worklight Studio V5.0.5 adds enhancements for development tools for jQuery.

WebSphere Application Server Liberty Profile support

All Mobile Foundation V5.0.5 and Worklight V5.0.5 Editions (Consumer and Enterprise) include a copy of WebSphere Application Server Liberty Profile in support of the Worklight Server component.

Branded application flexibility

The following new license components provide more flexibility in multibrand situations:

- Mobile Foundation Consumer Edition Additional Brand Deployment enables the deployment of a single mobile application under multiple separate brands.
- Worklight Consumer Edition Additional Brand Deployment enables the deployment of a single mobile under multiple separate brands.

Note: There are restrictions on the use of these "Additional Brand Deployment" license entitlements. Refer to the Terms and conditions section.

Accessibility by people with disabilities

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

Section 508 of the US Rehabilitation Act

Mobile Foundation and Worklight are capable as of November 16, 2012, when used in accordance with associated IBM 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.

Product positioning

Worklight V5.0.5 is a core product within the overall Mobile strategy and part of the 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.

Because Worklight V5.0.5 is based on open standards rather than proprietary scripting languages, automatic compilers, and code translators, it helps businesses protect their mobile investment, reduce development costs, and avoid technology lock-ins.

Worklight, together with the additional products from IBM portfolio described below, 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, Worklight V5.0.5 provides comprehensive integration to back-end systems and cloud-based services. For additional information on WebSphere Cast Iron Hypervisor Edition V6.1, refer to Software Announcement 211-327, dated August 23, 2011.

IBM Endpoint Manager for Mobile Devices, along with Worklight V5.0.5, 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) enables WebSphere customers to develop mobile web applications, while Worklight V5.0.5 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 Worklight V5.0.5 for application store presence, full mobile device access, and off-line capabilities.

Statement of direction

As the desktop, server, and mobile operating system platforms are updated, IBM plans to provide 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 Worklight service stream as soon as possible after general availability of updated operating system levels.

As part of the Mobile Foundation product offering, IBM intends to provide additional platform support for the 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'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.

Program number

```
Program                    Program
number        VRM          name

5725-I41      5.0.5        IBM Mobile Foundation Enterprise Edition
5725-I42      5.0.5        IBM Mobile Foundation Consumer Edition
5725-I43      5.0.5        IBM Worklight
```

Additional information

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/

Education support

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 up to date technical and product 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 8 curriculum areas, WebSphere Education provides training that spans the spectrum of skills needs from introductory product overviews to advanced programming and administration.

The WebSphere Education portfolio includes training offerings for Worklight V5.0.5, with 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 real time by an IBM instructor in a virtual classroom setting. Or, for a more independent training experience, you can select from a wide-variety of self-paced, online courses that you 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/

Offering Information

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

Publications

The primary delivery and latest product documentation for Worklight V5.0.5 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 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.

Technical information

Specified operating environment

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 or AMD 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 TL2 POWER System
- AIX V6.1 TL4 POWER System

- AIX V6.1 POWER System
- AIX V7.1 POWER System
- AIX V6.1 POWER+ System
- AIX V7.1 POWER+ System
- HP-UX 11i v2 IA64
- HP-UX 11i v3 IA64
- Red Hat Enterprise Linux (RHEL) 5 Update 6 Advanced Platform System z
- Red Hat Enterprise Linux (RHEL) Desktop 6 x86-64
- Red Hat Enterprise Linux (RHEL) Server 6 System z
- Red Hat Enterprise Linux (RHEL) Server 6 POWER System
- Red Hat Enterprise Linux (RHEL) 5 Update 6 Advanced Platform x86-64
- Red Hat Enterprise Linux (RHEL) 5 Update 6 Advanced Platform POWER System
- SUSE Linux Enterprise Server (SLES) 11 POWER System
- SUSE Linux Enterprise Server (SLES) 11 System z
- SUSE Linux Enterprise Server (SLES) 11 x86-32
- SUSE Linux Enterprise Server (SLES) 11 x86-64
- SUSE Linux Enterprise Server (SLES) 10 POWER System
- SUSE Linux Enterprise Server (SLES) 10 System z
- SUSE Linux Enterprise Server (SLES) 10 x86-32
- SUSE Linux Enterprise Server (SLES) 10 x86-64
- Windows Server 2008 R2 Enterprise Edition x86-64
- Windows Server 2008 Datacenter Edition x86-64
- Windows Server 2008 Standard Edition x86-64
- Windows Server 2008 Enterprise Edition x86-64
- Windows Server 2008 R2 Datacenter Edition x86-64
- Windows Server 2008 SP2 Standard Edition x86-64
- Windows Server 2008 Standard Edition x86-32
- Windows Vista Ultimate x86-64
- Windows XP Professional x86-64
- Windows Vista Enterprise x86-32
- Windows 7 Ultimate x86-32
- Windows 7 Professional x86-32
- Windows 7 Enterprise x86-64
- Windows 7 Enterprise x86-32
- Windows 7 Ultimate x86-64
- Windows 7 Professional x86-64
- Windows Vista Enterprise x86-64
- Windows Vista Ultimate x86-32
- Windows XP Professional x86-32
- Macintosh OS X 10.6.3 Snow Leopard x86-64
- Macintosh OS X 10.7 Lion x86-64
- Macintosh OS X 10.8 Mountain Lion x86-64
- Solaris 10 SPARC
- Solaris 10 x86-64

Supported server and desktop-related software

- Apache Tomcat 7.0 and future fix packs
- WebSphere Application Server, including 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 2.1
- Android 2.2
- Android 2.3
- Android 4.0
- Android 4.1
- iOS 4
- iOS 5
- iOS 6
- Blackberry 6.0
- Windows Phone 7.5

Supported target mobile device-related software

- 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

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 Worklight and 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 , Rational Developer for Power® System Software)

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

- WebSphere Message Broker
- IBM Security Access Manager (ISAM)
- IBM Collaborative Lifecycle solutions from Rational (Rational Requirements Composer, Rational Team Concert V4.0 and V3.0.1, Rational Quality Manager)
- Rational Test Workbench, to virtualize middle tiers and back-end services, including Worklight Server, to implement continuous test integration

Limitations

For additional information, refer to Usage restriction topic in 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

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 Worklight V5.0.5 and Mobile Foundation V5.0.5 packages will include the following DVDs in their specific media packs:

- Mobile Foundation, Enterprise Edition Version 5.0.5
  - Mobile Foundation, Enterprise Edition
  - Rational Enterprise Deployment
  - WebSphere Cast Iron Hypervisor
  - IBM Tivoli® Endpoint Manager Platform Install

  Mobile Foundation, Consumer Edition Version 5.0.5

  - Mobile Foundation, Consumer Edition
  - Rational Enterprise Deployment
  - WebSphere Cast Iron Hypervisor

Worklight, Enterprise Edition Version 5.0.5

- – Worklight, Enterprise Edition
- – Rational Enterprise Deployment

Worklight, Consumer Edition Version 5.0.5

- – Worklight, Consumer Edition
- – Rational Enterprise Deployment

Security, auditability, and control

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

Software Services

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

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

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

Ordering information

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

Product name/title	Product group	Product category
Mobile Foundation V5.0.5	Application Integration Middleware	WebSphere

Charge metric

Program name	PID number	Charge metric
Mobile Foundation Enterprise Edition	5725-I41	Client Device Install
Mobile Foundation Consumer Edition	5725-I42	Application
Worklight	5725-I43	Client Device Install Application

Metric definitions are available at

http://www-01.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

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executed on a computer. Licensee must obtain an entitlement for each install of the program.

Server

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. For the purpose of server-based licensing, licensee must obtain entitlements for each server that is made available to the program, regardless of the number of processor cores and partitions in the server or the number of copies of the program on the server.

Notes

- Some programs may require licenses for the program **and** what is being managed. In that case, the following applies. In addition to the entitlements required for the program directly, licensee must obtain entitlements for this program sufficient to cover the servers managed by the program.
- Some programs may be licensed on a managed basis **only.** In that case, the following applies. Instead of the entitlements required for the program directly, licensee must obtain entitlements for this program sufficient to cover the servers managed by program.

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

```
                                                       Part
Program name/Description                               number

5725-I41

Mobile Foundation, Enterprise Edition

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
```

```
Mobile Foundation, Enterprise Edition
     for Nonproduction Environment

Per Install nonproduction
 License + SW Subscription & Support 12 Months         D0UXGLL
 Annual SW Subscription & Support Renewal              E0F1JLL
 SW Subscription & Support Reinstatement 12 Months     D0UXHLL
5725-I42

Mobile Foundation, Consumer Edition

Per Application
 License + SW Subscription & Support 12 Months         D0PMDLL
 Annual SW Subscription & Support Renewal              E0DSLLL
 SW Subscription & Support Reinstatement 12 Months     D0PMELL

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
5725-I43

Worklight

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

Worklight, Enterprise Edition, for Nonproduction Environment

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

Worklight, Consumer Edition

Per Application
 License + SW Subscription & Support 12 Months         D0PMZLL
 Annual SW Subscription & Support Renewal              E0DSTLL
 SW Subscription & Support Reinstatement 12 Months     D0PN0LL

Worklight, Consumer Edition, Additional Brand Deployment

Per Application
 License + SW Subscription & Support 12 Months         D0TDALL
 Annual SW Subscription & Support Renewal              E0EKULL
 SW Subscription & Support Reinstatement 12 Months     D0TDBLL
```

Passport Advantage trade-up

Following is a list of precursor products for which you must have already acquired a
license, in order to be eligible to acquire equivalent licenses using the trade-up part
numbers.

```
                                                  Trade-up
Precursor product            Trade-up product     part number

5725-G92                     5725-I41
Worklight,                   Mobile Foundation,    D0UXBLL
Enterprise Edition           Enterprise Edition
per Client Device            per Client Device
```

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5725-G92                     5725-I41
Worklight,                   Mobile Foundation,        D0UXCLL
Enterprise Edition           Enterprise Edition
per Install                  per Install

5725-G92                     5725-I41
Worklight,                   Mobile Foundation,        D0UXDLL
Enterprise Edition           Enterprise Edition
for Linux on System z        for Linux on System z
per Install                  per Install

5725-G92                     5725-I42
Worklight,                   Mobile Foundation,        D0UXELL
Consumer Edition             Consumer Edition
per Application              per Application

5725-G92                     5725-I42
Worklight,                   Mobile Foundation,        D0UXFLL
Consumer Edition             Consumer Edition
for Linux on System z        for Linux on System z
per Application              per Application
```

Consult your IBM representative if you have any questions.

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.

Media packs

Note: Multiplatform English Media Packs are applicable to distributed, Linux on System z , and nonproduction platforms.

```
                                                   Media pack
Media pack name                                    part number

5765-I41
Mobile Foundation, Enterprise Edition V5.0.5        BA15AEN
 Multiplatform English Media Pack

Mobile Foundation, Enterprise Edition V5.0          BA14TML

5765-I42
Mobile Foundation, Consumer Edition V5.0.5          BA15BEN
 Multiplatform English Media Pack

Mobile Foundation, Consumer Edition V5.0            BA14UML

5765-I43
Worklight, Enterprise Edition V5.0.5                BA15CEN
 Multiplatform English Media Pack

Worklight, Enterprise Edition V5.0                  BA14VML

5765-I43
Worklight, Consumer Edition V5.0.5                  BA15DEN
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Worklight, Consumer Edition V5.0                    BA14WML
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                                                      Part
Program name/Description                              number

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 Linux on System z SW S&S Reinstate 12 Months        D0PN3LL

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Corrections

(Corrected on October 4, 2012)
The Software requirements section is revised.