IBM Worklight V6.1 and IBM Mobile Application Platform Pattern V6.1 deliver an open, comprehensive, and advanced mobile application platform for smartphones and tablets

Table of contents

2 Overview
2 Key prerequisites
2 Planned availability date
2 Description
2 Product positioning
2 Statement of direction
2 Program number

8 Publications
9 Technical information
12 Ordering information
16 Terms and conditions
19 Prices
20 Announcement countries

At a glance

IBM® Worklight® V6 is an open standards-based, mobile application platform, which enables accelerated delivery of innovative mobile solutions. As an essential element of the IBM MobileFirst portfolio, Worklight

• Helps you build rich, cross-platform applications using standard technology, and connect mobile applications to a variety of enterprise back-end systems and cloud services.
• Provides the essential elements needed for mobile development, testing, deployment, and management within a business.
• Delivers an open, comprehensive, and advanced mobile application platform for smartphones and tablets, offering:
  – Mobile application development, testing, and delivery
  – Complete, end-to-end mobile application management
  – Advanced connectivity to back-end systems and cloud-based services that are optimized for mobile devices
  – Advanced application management for updates push and version control

Enhancements in Version 6.1 include:

• Easier IT operations with mobile application upgrade independent of server upgrades, new server deployment without mobile application rebuild, improved license usage management, device de-provisioning, and Application Center enhanced resilience on 2-G networks
• Improved developer productivity with new UI-based automated SOAP and SAP service discovery, custom patterns and instant application previews
• Expanded security capabilities with FIPS140-2 for data in motion and user certificate provisioning for client-side authentication
• Updated mobile operating system support, including support for recent levels of iOS, Android, BlackBerry, Microsoft Windows 8 and RT, and Windows Phone 8 in addition to third-party software support updates for JQuery Mobile and Dojo
• Translation of mobile application user-facing texts into Chinese (simplified = zh), Chinese (Traditional Han = zh-tw), French (fr), German (de), Italian (it), Japanese (ja), Korean (ko), Portuguese (Brazil = pt), Russian (ru) and Spanish (es)
• More APIs for native application developers
Overview

IBM Worklight V6 and IBM Mobile Application Platform Pattern V6 are products of the MobileFirst portfolio. These products help organizations of all sizes extend their business by providing capabilities to efficiently implement, connect, secure, and manage HTML5, hybrid, and native mobile applications. MobileFirst offers true, end-to-end mobile solutions that help you embrace mobile as essential to the future of business growth and innovation. It represents the full portfolio of IBM mobile enterprise offerings and services, and enables you to take advantage of IBM in-depth, industry expertise in mobile, analytics, cloud, social, and security technologies. MobileFirst can help you transform your business model, capture new markets, efficiently extend your businesses to mobile employees, customers, and business partners, and maintain the integrity of your assets.

Worklight helps you to:

- Use standard technology, such as HTML5, the native client platform software development kits (SDKs), and integration with the growing ecosystem of third-party tools, libraries, and frameworks.
- Connect mobile applications to back-end systems and cloud services through mobile-optimized middleware.
- Automate functional testing for accelerated delivery cycles of native and hybrid, cross-platform mobile applications.
- Manage a portfolio of applications and the lifecycle of their content from one, centralized administration console.
- Secure your mobile applications through numerous protection mechanisms, such as encrypted storage, online and offline authentication.
- Simplify IT operations with bundled DB2® and Liberty Core.

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

Worklight V6.1 delivers numerous enhancements to provide easier IT operations, improved developer productivity, and expanded security capabilities.

Key prerequisites

- AIX®, Linux™, Mac OS, Solaris, or Microsoft Windows operating systems
- Mobile operating systems that include iOS, Android, Blackberry, Windows 8 and RT, and Windows Phone
- IBM PureApplication™ System for IBM Mobile Application Platform Pattern

Planned availability date

- November 15, 2013 - Electronic delivery
- December 13, 2013 - Media packs

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

Description

Worklight V6.1 and Mobile Application Platform Pattern V6.1 help simplify the development of mobile web, hybrid, and native applications across multiple mobile platforms, which include iOS, Android, BlackBerry, Windows, Windows RT, Windows Phone, and Java ME. They provide visual development capabilities and source code
enhancements to help developers accelerate development, test, and deliver mobile applications.

Version 6.1 consists of the following products and components:

- Worklight Enterprise Edition
- Worklight Consumer Edition
- Worklight Enterprise Edition for Non-Production Environment
- Worklight Consumer Edition Additional Brand Deployment
- Mobile Application Platform Pattern Consumer Edition
- Mobile Application Platform Pattern Enterprise Edition
- Mobile Application Platform Pattern Enterprise Edition for Non-Production Environment


Worklight V6.1 delivers the essential elements needed for mobile development, deployment, and management in B2C, business-to-business (B2B), and B2E environments.

Worklight is designed to provide an open mobile application platform for developing, deploying, and managing mobile applications on an open extensible platform. Enterprises can deliver mobile content that takes advantage of existing enterprise security, scalability, management solutions, and service-oriented architecture (SOA) services investments.

Worklight is based on open standards rather than proprietary scripting languages, automatic compilers, and code translators. This approach may help you protect your mobile investment, reduce development costs, and avoid technology lock-ins.

Worklight helps you to:

- Use standard technology, such as HTML5, the native client platform software development kits (SDKs), and integration with the growing ecosystem of third-party tools, libraries, and frameworks.
- Connect mobile applications to back-end systems and cloud services through mobile-optimized middleware.
- Automate functional testing for accelerated delivery cycles of native and hybrid, cross-platform mobile applications.
- Manage a portfolio of applications and the lifecycle of their content from one, centralized administration console.
- Secure your mobile applications through numerous protection mechanisms, such as encrypted storage, online and offline authentication.
- Simplify IT operations with bundled DB2 and Liberty Core.

Compared to previous releases, Worklight V6.1 provides you with:

- Easier IT operations, with mobile application upgrade independent of server release upgrades, new server deployment release without mobile application rebuild, improved license usage management, device deprovisioning, and enhanced resilience on 2G networks.
- Improved developer productivity with new UI-based automated Simple Object Access Protocol (SOAP) and SAP service discovery, custom patterns, and instant application previews.
- Expanded security capabilities with FIPS140-2 for data in motion and user certificate provisioning for client-side authentication.
- Updated mobile operating system support, which include support for recent levels of iOS, Android, BlackBerry, Microsoft Windows 8, and Windows Phone 8 in addition to third-party software support updates for Cordova, JQuery, and Dojo.
- More APIs for native application developers.
Worklight provides five main components:

- **Studio**: A comprehensive, cross-platform, standards-based extensible development 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.
- **Worklight Analytics server**: An analytics platform that collects logs and events from both mobile applications and back-end servers to facilitate your data searches.

**Studio**

Worklight helps simplify the development of mobile web, hybrid, and native applications across multiple mobile platforms, which include iOS, Android, BlackBerry, Windows, Windows RT, Windows Phone, and Java ME. It provides visual development capabilities and source code editing to help developers accelerate development, test, and deliver mobile applications. It 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 may help you 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. It supports Mobile Application Management (MAM) and mobile application authenticity checks, mobile usage statistics and reports. It also facilitates authentication framework integration for single sign-on (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 components**

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.

**Analytics server**

Analytics Server is a new scalable operational analytics platform that collects logs and events from both mobile applications and back-end servers. Customers can search collected information with easy-to-use, natural query language and create custom dashboard to search for patterns, determine problems, and summarize the various statistical measures of platform usage as new users, returning users, and usage frequency across mobile operating systems.

The enhancements in Worklight V6.1 augment the already rich contents of Version 6.0:

- Analytics for application usage with a collection of rich application usage events and context, and means for analyzing and acting upon this data
  - Collection of user actions performed by the user within the application
  - Context, including geographical data (location, movement, and time) and application-related data (for example, version, device model, and operating system)
  - Means for analyzing data with standard reports that depict the collected information and ability to transfer raw data to enterprise business intelligence systems; integration with real-time monitoring systems
  - Means for acting upon this data for integration with event management systems
- Simple, hybrid application development with tools and building blocks for creating rich, robust, and responsive hybrid applications
  - Screen templates for scaffolding application development in Worklight Studio
  - Better tools for packaging Dojo libraries for hybrid applications, reducing application footprint, and shortening application build time and startup time
- Serviceability and usability improvements based on your feedback which include improved application center client and keyboard shortcuts in Worklight Studio
- Continued and updated support for numerous mobile operating systems, as detailed in the Software Requirements section.

**WebSphere® Application Server Liberty Core support**

All Worklight V6.0 editions (Consumer and Enterprise) include a copy of WebSphere Application Server Liberty Core in support of the Worklight Server component.

**IBM DB2 support**

All Worklight V6.1 editions (Consumer and Enterprise) include a copy of DB2 Workgroup Server Edition V10.1 and DB2 Enterprise Server Edition V10.1 for zLinux only in support of the Worklight Server component.

**Branded application flexibility**

The following license components provide more flexibility in multi-brand situations:

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

**Note:** There are restrictions on the use of these Additional Brand Deployment license entitlements. For details, 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


Product positioning

Worklight V6 is a core product within the overall IBM mobile strategy and part of the MobileFirst portfolio. 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.

Worklight, together with the additional products from the MobileFirst portfolio, enables you to address the entire lifecycle of your mobile initiative.

Together with other IBM integration offerings, such as WebSphere DataPower® Appliance, and WebSphere MQ, Worklight V6 provides comprehensive integration to back-end systems and cloud-based services.

In addition, Mobile Development Lifecycle Solution helps 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.

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 which are forward compatible. 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.

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.

Reference information

For complete information about the MobileFirst portfolio of solutions and services, visit

http://www.ibm.com/mobilefirst

For information about migration from earlier versions of Worklight, Mobile Application Platform Pattern, Mobil Foundation, EndPoint Manager for mobile device management, or WebSphere Cast Iron® for connectivity, refer to Software Withdrawal Announcement ZP13-0459, dated August 13, 2013.

For additional information about PureApplication System W1700, refer to Software Announcement ZP13-0117, dated February 5, 2013.
For additional information about PureApplication System W1500 and W1700 V1.1, refer to Software Announcement ZP13-0247, dated April 26, 2013.

Program number

<table>
<thead>
<tr>
<th>Program number</th>
<th>VRM</th>
<th>Program name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5725-I43</td>
<td>6.1</td>
<td>IBM Worklight</td>
</tr>
<tr>
<td>5725-G24</td>
<td>6.1</td>
<td>IBM Mobile Application Platform Pattern</td>
</tr>
</tbody>
</table>

Additional information

Services

IBM delivers a wide breadth of software and services offerings that can help you with many of your buying needs. Thousands of engagements enable IBM to help enterprises put mobile first by:

- Transforming value chains by enabling new types of mobile interactions and transactions
- Turning interactions into opportunities for return on engagement and investment
- Connecting mobile applications to systems of record for continuous transactions
- Ensuring trusted interactions at the application, device, and network levels
- Taking advantage of cloud-based services to capture unique mobile insights

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

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

Worklight Developer Edition

Worklight Developer Edition is available to help developers reduce testing effort, develop with confidence, and deliver innovative applications faster. This configuration is available at no charge, and will be supported on a best-can-do basis by forum only. Worklight Developer Edition is free for evaluation purposes and licensed for development use only.

For information and download, visit


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 V6, 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


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 latest product documents for Worklight can be found at

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

Complete product information, including white papers and "How-To" information, can also be found at


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® family of processors supported by the corresponding releases of AIX V6.1 and V7.1

Linux

- Intel® Core i5 or AMD K8, or later processor
- Any IBM System z® processor supported by the required Linux operating systems

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 operating systems

- AIX V6.1 and V7.1 on IBM POWER
- Solaris 10 on x86-64 and SPARC
- Red Hat Enterprise Linux (RHEL) 6 Server editions on x86-64, IBM POWER, System z, and VMware ESXi V5.0
- Red Hat Enterprise Linux (RHEL) 5 Update 6 Advanced Platform on x86-64, IBM POWER, System z, and VMware ESXi V5.0
- SUSE Linux Enterprise Server (SLES) 10 and 11 on x86-64, IBM POWER, System z, and VMware ESXi V5.0
- Windows Server 2008 R2 Enterprise and Standard editions on x86-64 and VMware ESXI V5.0

Note: The Analytics server can be installed on a separate application server instance from the Worklight server. However, the Analytics server is supported only on

- AIX V6.1, V7.1 on Power®
- Red Hat Enterprise Linux (RHEL) 6 Server editions on x86-64
- Red Hat Enterprise Linux (RHEL) 5 Update 6 Advanced Platform on x86-64
- SUSE Linux Enterprise Server (SLES) 10 and 11 on x86-64

Supported desktop operating systems

- Ubuntu 12.04 LTS x86-32 and x86-64
- RHEL Workstation 6 x86-32 and x86-64
- SUSE Linux Enterprise Desktop (SLED) 11 on x86-32 and x86-64
- Windows 7 on x86-32 and on x86-64
- Windows 8 on x86-32 and on x86-64
- Macintosh OS X 10.8, and 10.9 on x86-32 and on x86-64
**Supported server-related and desktop-related software**

- Apache Tomcat 7.0
- WebSphere Application Server V7 and V8
- WebSphere Application Server, that includes Liberty Core, V8, V8.5, V8.5.5, and fix packs
- WebSphere Application Server Network Deployment V7, V8.0, V8.5, V8.5.5, and fix packs
- Rational Team Concert™ 4.0.4 and fix packs
- Apache Derby SDK 10.8
- Oracle Database 11g Standard and Enterprise Editions Release 2
- MySQL 5.5 and 5.6
- DB2 Enterprise Server Edition 9.7, 10.1, and 10.5 (including PureScale)
- DB2 Workgroup Server Edition 9.7, 10.1, and 10.5
- DB2 Express® Edition 9.7, 10.1, and 10.5
- Eclipse 4.2.2 and 4.3.1
- Oracle Java 7, IBM Java 6 or 7

**Supported mobile device operating systems**

- Android 2.3.3, 4.0, 4.1, 4.2, and 4.3
- iOS 5, 6, and 6.1
- BlackBerry 6.0, 7.0, 7.1, and 10.0
- Windows Phone 8.0
- Windows 8.0
- Windows RT

**Note:** The Mobile Test Workbench for Worklight component will only be available on Android, and on iOS Version 6.0.

**Supported mobile device-related software**

- JQuery 1.8, 1.9, 1.10, or 2.0 (JQuery 2.0 is not supported on Microsoft Windows Phone 8 or Windows 8 environments)
- JQuery Mobile 1.3 and 1.4
- Dojo 1.9
- Sencha Touch 2.2

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.

**Supported cloud-based systems**

- PureApplication System V1.1

**Supported virtualization technology**

- VMWare ESXi 5.0
- Red Hat KVM shipped with RHEL
- SUSE KVM shipped with SLES

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.
Companion products
The following Rational® IDE products integrate well with Worklight to deliver unified front-end and back-end mobile development:

- Rational Application Developer for WebSphere Software
- Rational Software Architect for WebSphere Software
- Rational Developer for System z
- Rational Developer for Power System Software

Worklight provides support for the following products, which together form a foundational mobile application platform:

- Cast Iron
- EndPoint Manager

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


Planning information

Packaging
The Worklight V6.0 package includes the following DVDs in their specific media packs:

- Worklight Enterprise Edition V6.1
  - Worklight Enterprise Edition
  - Rational Enterprise Deployment V1.6.3
  - DB2 Workgroup Server Edition V10.1 and DB2 Enterprise Server Edition V10.1 (on zLinux only)
  - WebSphere Application Server - Liberty Core V8.5.5
  - WebSphere Application Server - Liberty Core V8.5.5 Supplements (IBM HTTP Server)
- Worklight Consumer Edition V6.1
  - Worklight Consumer Edition
  - Rational Enterprise Deployment V1.6.3
  - DB2 Workgroup Server Edition V10.1 and DB2 Enterprise Server Edition V10.1 (on zLinux only)
  - WebSphere Application Server - Liberty Core V8.5.5
  - WebSphere Application Server - Liberty Core V8.5.5 Supplements (IBM HTTP Server)

Mobile Application Platform Pattern V6 - No media pack; electronic download only.

Security, audiability, 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.
Global Technology Services®

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

Ordering information

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/svpAuthorized_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/blocator/

<table>
<thead>
<tr>
<th>Product name / title</th>
<th>Product group</th>
<th>Product category</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM Worklight V6.1</td>
<td>Application</td>
<td>WebSphere</td>
</tr>
<tr>
<td></td>
<td>Integration</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Middleware</td>
<td></td>
</tr>
<tr>
<td>IBM Mobile Application Platform Pattern V6.1</td>
<td>Application</td>
<td>WebSphere</td>
</tr>
<tr>
<td></td>
<td>Integration</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Middleware</td>
<td></td>
</tr>
</tbody>
</table>

For ordering information, consult your IBM representative or authorized IBM Business Partner, or visit


Passport Advantage

<table>
<thead>
<tr>
<th>Program name/Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Worklight (5725-I43)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Worklight Enterprise Edition</strong></td>
<td></td>
</tr>
<tr>
<td>Per Client Device</td>
<td></td>
</tr>
<tr>
<td>License + SW Subscription &amp; Support 12 Months</td>
<td>D0PMQLL</td>
</tr>
<tr>
<td>Annual SW Subscription &amp; Support Renewal</td>
<td>E0DSQLL</td>
</tr>
<tr>
<td>SW Subscription &amp; Support Reinstatement 12 Months</td>
<td>D0PMRLL</td>
</tr>
<tr>
<td>Per Install</td>
<td></td>
</tr>
<tr>
<td>License + SW Subscription &amp; Support 12 Months</td>
<td>D0PMTLL</td>
</tr>
<tr>
<td>Annual SW Subscription &amp; Support Renewal</td>
<td>E0F1LLL</td>
</tr>
<tr>
<td>SW Subscription &amp; Support Reinstatement 12 Months</td>
<td>D0PMLLL</td>
</tr>
<tr>
<td><strong>Worklight Enterprise Edition, for Non-Production Environment</strong></td>
<td></td>
</tr>
<tr>
<td>Per Install</td>
<td></td>
</tr>
<tr>
<td>License + SW Subscription &amp; Support 12 Months</td>
<td>D0UXKLL</td>
</tr>
<tr>
<td>Annual SW Subscription &amp; Support Renewal</td>
<td>E0F1LLL</td>
</tr>
<tr>
<td>SW Subscription &amp; Support Reinstatement 12 Months</td>
<td>D0UXLLL</td>
</tr>
</tbody>
</table>
**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: D0PNDLL

**Mobile Application Platform Pattern (5725-G24)**

Mobile Application Platform Pattern Consumer Edition
- Per Application
  - License + SW Subscription & Support 12 Months: D0YT1LL
  - Annual SW Subscription & Support Renewal: E0H3KLL
  - SW Subscription & Support Reinstatement 12 Months: D0YT2LL

Mobile Application Platform Pattern Enterprise Edition
- Per Virtual Server
  - License + SW Subscription & Support 12 Months: D0YT5LL
  - Annual SW Subscription & Support Renewal: E0H3NLL
  - SW Subscription & Support Reinstatement 12 Months: D0YT6LL

Mobile Application Platform Pattern Enterprise Edition
- Per Client Device
  - License + SW Subscription & Support 12 Months: D0YTBLI
  - Annual SW Subscription & Support Renewal: E0H3TLL
  - SW Subscription & Support Reinstatement 12 Months: D0YTCLL

Mobile Application Platform Pattern Enterprise Edition
for Non-Production Environment Per Virtual Server
- License + SW Subscription & Support 12 Months: D0YTDLL
- Annual SW Subscription & Support Renewal: E0H3ULL
- SW Subscription & Support Reinstatement 12 Months: D0YTELL

**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.

<table>
<thead>
<tr>
<th>Media pack name</th>
<th>Media pack part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5765-I43 IBM Worklight Enterprise Edition V6.1</td>
<td>BA173EN</td>
</tr>
<tr>
<td>Multiplatform English Media Pack</td>
<td></td>
</tr>
<tr>
<td>5765-I43 IBM Worklight Consumer Edition V6.1</td>
<td>BA172EN</td>
</tr>
<tr>
<td>Multiplatform English Media Pack</td>
<td></td>
</tr>
</tbody>
</table>


**Cross-platform product for use on System z Integrated Facility for Linux (IFL) engines**

Order the part numbers that follow when the product is intended to run on the Linux operating system on System z IFL engines. If the product is not intended to run on the Linux operating system on System z IFL engines, order from the other set of...
part numbers in this announcement. This set of part numbers provides the identical supply and authorization as the other set in this announcement.

<table>
<thead>
<tr>
<th>Program name/Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5725-I43 Worklight</strong></td>
<td></td>
</tr>
<tr>
<td>Worklight Enterprise Edition</td>
<td></td>
</tr>
<tr>
<td>Per Install for Linux on System z</td>
<td></td>
</tr>
<tr>
<td>Linux on System z License + SW S&amp;S 12 Months</td>
<td>D0PMWLL</td>
</tr>
<tr>
<td>Linux on System z Annual SW S&amp;S Renewal</td>
<td>E0DSSL</td>
</tr>
<tr>
<td>Linux on System z SW S&amp;S Reinstall 12 Months</td>
<td>D0PMXLL</td>
</tr>
<tr>
<td>Per Client Device for Linux on System z</td>
<td></td>
</tr>
<tr>
<td>License and SW S&amp;S 12 Months</td>
<td>D0VBPLL</td>
</tr>
<tr>
<td>Annual SW S&amp;S Renewal</td>
<td>E0F6MPLL</td>
</tr>
<tr>
<td>SW S&amp;S Reinstall 12 Months</td>
<td>D0VBQLL</td>
</tr>
<tr>
<td>Worklight Enterprise Edition for Non-Production Environment</td>
<td></td>
</tr>
<tr>
<td>Per Install for Linux on System z</td>
<td></td>
</tr>
<tr>
<td>Linux on System z License + SW S&amp;S 12 Months</td>
<td>D0UXMFL</td>
</tr>
<tr>
<td>Linux on System z Annual SW S&amp;S Renewal</td>
<td>E0F1MFL</td>
</tr>
<tr>
<td>Linux on System z SW S&amp;S Reinstall 12 Months</td>
<td>D0UXNLL</td>
</tr>
<tr>
<td>Worklight, Consumer edition</td>
<td></td>
</tr>
<tr>
<td>Per Application for Linux on System z</td>
<td></td>
</tr>
<tr>
<td>Linux on System z License + SW S&amp;S 12 Months</td>
<td>D0PN2LL</td>
</tr>
<tr>
<td>Linux on System z Annual SW S&amp;S Renewal</td>
<td>E0DSULL</td>
</tr>
<tr>
<td>Linux on System z SW S&amp;S Reinstall 12 Months</td>
<td>D0PN3LL</td>
</tr>
<tr>
<td>Worklight, Consumer Edition Additional Brand Deployment</td>
<td></td>
</tr>
<tr>
<td>Per Application for Linux on System z</td>
<td></td>
</tr>
<tr>
<td>Linux on System z License + SW S&amp;S 12 Months</td>
<td>D0TDCLL</td>
</tr>
<tr>
<td>Linux on System z Annual SW S&amp;S Renewal</td>
<td>E0EKVLL</td>
</tr>
<tr>
<td>Linux on System z SW S&amp;S Reinstall 12 Months</td>
<td>D0TDDL</td>
</tr>
</tbody>
</table>

**Charge metric**

<table>
<thead>
<tr>
<th>Program name</th>
<th>PID number</th>
<th>Charge metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM Worklight</td>
<td>5725-I43</td>
<td>Client Device</td>
</tr>
<tr>
<td>IBM Mobile Application</td>
<td>5725-G24</td>
<td>Client Device</td>
</tr>
<tr>
<td>Platform Pattern</td>
<td></td>
<td>Install</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Application</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Virtual Server</td>
</tr>
</tbody>
</table>

Metric definitions are available at


**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.

**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 entitllements 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.

**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.

**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.

**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.
Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

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

Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use. Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with the initial license acquisition of each program acquired. The initial period of Software Subscription and Support (also referred to as Software Maintenance) can be extended by the purchase of a renewal option, if available. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

General Charge Terms

Cumulative Entitlements

Client Device and Install entitlements are not alternative means for licensing production use of the program. Licensee must obtain sufficient entitlements to cover the Client Devices that are managed by the program or contain an application connected to or derived from the program as well as the appropriate number of Install entitlements for the relevant servers where the Worklight Enterprise Edition supporting program is installed.

Non-production limitation

If the program license is designated as "Non-Production", the program can only be deployed as part of the licensee's internal development and test environment for internal non-production activities, including but not limited to testing, performance tuning, fault diagnosis, internal benchmarking, staging, quality assurance activity or developing internally used additions or extensions to the program using published application programming interfaces. Licensee is not authorized to use any part of the program for any other purposes without acquiring the appropriate production entitlements.

License Information form number

<table>
<thead>
<tr>
<th>Program name</th>
<th>LI Form Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM Worklight Enterprise Edition V6.1</td>
<td>L-STHN-9AS4A6</td>
</tr>
<tr>
<td>IBM Worklight Consumer Edition V6.1</td>
<td>L-STHN-9AMJU3</td>
</tr>
<tr>
<td>IBM Worklight Developer Edition V6.1</td>
<td>L-STHN-9AMJW4</td>
</tr>
<tr>
<td>IBM Mobile Application Platform Pattern V6.1</td>
<td>L-STHN-9AMJXH</td>
</tr>
</tbody>
</table>
The program's License Information will be available for review on the IBM Software License Agreement website


**Limited warranty applies**

Yes

**Limited warranty**

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the *IBM Software Support Handbook* found at

   http://www.ibm.com/support/handbook

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

**Program technical support**

Technical support of a program product version or release will be available for a minimum of five years from the general availability date, as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect. This technical support allows you to obtain assistance (via telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support (Software Maintenance) also provides you with access to updates (modifications or fixes), releases, and versions of the program. You will be notified, via announcement letter, of discontinuance of support with 12 months' notice. If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

**Money-back guarantee**

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that (1) for programs acquired under the IBM International Passport Advantage offering, this term applies only to your first acquisition of the program and (2) for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

**Volume orders (IVO)**

Yes. Contact your IBM representative.

**Passport Advantage applies**

Yes, and through the Passport Advantage website at

   http://www.ibm.com/software/passportadvantage
Usage restriction
Yes. The following usage restrictions apply to Worklight Additional Brand Deployment components:

Limited Use Program
This program is supplied only for use with named program identified below or their successors. Licensee is prohibited from using this program in connection with any other software.

Named program
- Worklight, Consumer Edition

Prohibited components
Notwithstanding any provision in the License Agreement, licensee is not authorized to use any of the Additional Brand Deployment entitlements in the following situations:

- Use of the program with an Integrated Development Environment (IDE) project structure different than that of the application covered by an application entitlement of the named program.
- Use of the program in which greater than 10% of the source code is different from that of the application covered by an application entitlement to the named program.

For additional information, refer to the License Information document that is available on the IBM Software License Agreement website


Software Subscription and Support applies
Yes. Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express. Product upgrades and Technical Support are provided by the Software Subscription and Support offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software and Technical Support provides voice and electronic access to IBM support organizations, worldwide.

IBM includes one year of Software Subscription and Support with each program license acquired. The initial period of Software Subscription and Support can be extended by the purchase of a renewal option, if available.

While your Software Subscription and Support is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance via telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, 7 days a week. For additional details, consult your IBM Software Support Handbook at

http://www.ibm.com/support/handbook

Software Subscription and Support does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which IBM is not responsible under the applicable agreements.
For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, visit the Passport Advantage website at

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

Other support
Passport Advantage

System i® Software Maintenance applies
No

Variable charges apply
No

Educational allowance available
Education allowance does not apply.

Special education prices are available for qualified customers through Passport Advantage.

Statement of good security practices

IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective. IBM does not warrant that systems and products are immune from the malicious or illegal conduct of any party.

Prices

For all local charges, contact your IBM representative.

Business Partner information

If you are an IBM Business Partner -- Distributor for Workstation Software acquiring products from IBM, you may link to Passport Advantage Online for resellers where you can obtain Business Partner pricing information. An IBM ID and password are required.

https://www.ibm.com/software/howtobuy/passportadvantage/paoreseller/emea/channelannouncement

Passport Advantage

For Passport Advantage information and charges, contact your IBM representative or authorized IBM Business Partner for Software Value Plus. Additional information is also available at

http://www.ibm.com/software/passportadvantage
IBM Global Financing

IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or visit http://www.ibm.com/financing

IBM Global Financing offerings are provided through IBM Credit LLC in the United States, and other IBM subsidiaries and divisions worldwide to qualified commercial and government customers. Rates are based on a customer's credit rating, financing terms, offering type, equipment type, and options, and may vary by country. Other restrictions may apply. Rates and offerings are subject to change, extension, or withdrawal without notice.

Financing from IBM Global Financing helps you preserve cash and credit lines, enables more technology acquisition within current budget limits, permits accelerated implementation of economically attractive new technologies, offers payment and term flexibility, and can help match project costs to projected benefits. Financing is available worldwide for credit-qualified customers.

For more financing information, visit http://www.ibm.com/financing

Announcement countries

All European, Middle Eastern, and African countries except:

- Iran
- Sudan
- Syria

Trademarks

PureApplication and Rational Team Concert are trademarks of IBM Corporation in the United States, other countries, or both.

IBM, DB2, AIX, WebSphere, DataPower, Cast Iron, Passport Advantage, POWER, System z, Power, Express, Rational, Global Technology Services and System i are registered trademarks of IBM Corporation in the United States, other countries, or both.

Microsoft and Windows are trademarks of Microsoft Corporation in the United States, other countries, or both.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Intel is a trademark of Intel Corporation or its subsidiaries in the United States and other countries.

Other company, product, and service names may be trademarks or service marks of others.

Terms of use

IBM products and services which are announced and available in your country can be ordered under the applicable standard agreements, terms, conditions, and prices in effect at the time. IBM reserves the right to modify or withdraw this
announcement at any time without notice. This announcement is provided for your information only. Reference to other products in this announcement does not necessarily imply those products are announced, or intend to be announced, in your country. Additional terms of use are located at:


For the most current information regarding IBM products, consult your IBM representative or reseller, or visit the IBM worldwide contacts page

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