IBM Worklight V6.2, which now includes the Mobile Application Platform Pattern, delivers mobile optimized, standards-based, middleware, and tools for enterprise-grade mobile applications and services creation

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At a glance

IBM® Worklight® V6.2 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 delivers the following functions:

• Enables building rich, cross-platform applications that use standard technology, and connect mobile applications to a variety of enterprise back-end systems and cloud services.
• Provides the essential elements that are needed for mobile application development, testing, deployment, and management.
• Delivers an open, comprehensive, and advanced mobile application platform for smartphones and tablets, that offer the following:
  - Mobile application development, testing, and delivery
  - Complete, end-to-end mobile users and applications management including denied access, application updates push and version control
  - Advanced, mobile-optimized connectivity to back-end systems and cloud-based services

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: YE001).

Overview

IBM Worklight is an element of the MobileFirst portfolio. Worklight goes beyond accelerating mobile application UI creation to deliver mobile optimized, standards-based, middleware and tools for enterprise-grade mobile applications and services creation. 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, enabling you to take advantage of in-depth IBM 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 partners while maintaining the integrity and security of your assets.
Worklight can be integrated with complementary application development lifecycle, DevOps, security, management, and analytics capabilities to help you address the unique mobile needs of your business.

Worklight V6.2 helps you to:

- Accelerate web, native, and hybrid mobile development.
- Engage users with the enterprise.
- Facilitate application security and trustworthiness.
- Provide support for mobile IT operations.

**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 or IBM SmartCloud® Orchestrator for IBM Mobile Application Platform Pattern

For further details, refer to the Technical information section.

**Planned availability date**

- July 11, 2014 - Physical delivery and media packs.

**Description**

Worklight V6.2 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 enhancements to help developers accelerate development, test, and deliver mobile applications.

Version 6.2 consists of the following products and components:

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

Worklight V6.2 Enterprise editions have pricing metrics that are aligned with business-to-enterprise (B2E) purchasing patterns. Consumer editions have pricing metrics aligned with business-to-consumer (B2C) purchasing patterns.

Worklight V6.2 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, helping you protect your mobile investment, reduce development costs, and avoid technology lock-ins.

Worklight V6.2 helps you to:

- Accelerate web, native, and hybrid mobile application development:
  - Provide a flexible, open platform that is based on standard technologies, such as HTML5, mobile software native development kit (SDK), short messaging service (SMS), unstructured supplementary service data (USSD), and Java ME, to enable developers to control the user experience while still providing cross-platform savings.
  - Accelerate the development and delivery lifecycle by supporting preview, simulation, and automated testing tools for applications.
  - Deliver mobile-optimized middleware and services discovery to enable industrialized application development connected to back-end systems and cloud services.
  - Facilitate team work and full DevOps integration with the growing ecosystem of third-party tools, libraries, and frameworks.
- Engage users with the enterprise through:
  - Mobile-friendly, almost codeless, enterprise integration
  - Unified push, two-way short messaging service (SMS) notifications and USSD
  - Geographic location and context collections and intelligence
  - Globalization through mobile applications in native languages
- Facilitate trustworthy and secure applications:
  - Offline, server-enforced authentication and certificate management
  - Application authenticity and user-application-device binding checks
  - Secure, synchronized, and encrypted on-device storage
  - Application version enforcement
- Support Mobile operations:
  - Operational analytics with efficient data acquisition
  - Offline and online event management integration
  - Remote user and application control without Mobile Device Management (MDM)
  - Management of a portfolio of applications and their lifecycle from one centralized administration console and private application store
  - Ability to simplify IT operations with operational analytics, bundled DB2®, and Liberty Core

Worklight V6.2 provides the following seven main components:

- Studio: Provides tools for cross-platform, hybrid development that helps maximize code reuse, speed application development, and promote collaboration. In addition, Studio also includes a rich, drag-and-drop, WYSIWYG development environment that is now complemented with command line interface for native developers.
- Server: Mobile-optimized middleware provides a services layer to support back-end integration, version management, security, and unified push notification mechanisms.
- Device runtime: Extensible libraries and client are available for native, hybrid, and web applications.
- Console: Provides a web-based, administration interface for application deployment, management, and version enforcement. Console also delivers real-time, operational analytics and push notifications management, which allows real-time control of your mobile application and infrastructure.
• **Application center**: A private application store helps developers get feedback on their mobile applications from testers and stakeholders and distribute private or public applications to employees and partners.

• **Mobile test workbench**: Allows developers to perform automated functional testing for accelerated delivery cycles of native, web, and hybrid cross-platform mobile applications.

• **Analytics platform**: An analytics platform that provides an aggregated view of server and client logs, and operational analytics data, from both mobile applications and Worklight 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 delivery of 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 can 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 and acts as a strong control point for analytics and security. 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, USSD, and SMS 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 interact with and 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 manage users, applications or devices based on predetermined rules. New versions of an application’s web code can automatically be pushed to users (depending on the terms and conditions provided by the mobile device vendor) or direct users to the application store when needed.

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 either during development or production phases.

**Mobile test workbench**

With this workbench, developers can perform automated functional testing for accelerated delivery cycles of native and hybrid, and cross-platforms mobile
applications; and record and run tests of mobile applications on devices and emulators.

**Analytics platform**

Analytics platform is a scalable, operational analytics platform that provides an aggregated view of server and client logs, and operational analytics data from both mobile applications and Worklight servers. You can search collected information with easy-to-use, natural query language to search for patterns, determine problems, and summarize the various statistical measures of platform usage. For example, you can determine new devices, usage frequency across mobile operating systems, and network latency trends all the way to your back-end systems.

The enhancements in Worklight V6.2 augment the already rich contents of Version 6.1 and Version 6.0:

- 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 2G 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 that includes 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
- Analytics for operational infrastructure usage and means for analyzing, reporting and searching this data
  - Context, which includes 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
- 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 to reduce application footprint, and shorten application build time and startup time
- Serviceability and usability improvements that are based on your feedback and 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**

Worklight V6.2 includes a copy of WebSphere Application Server Liberty Core in support of the Worklight Server component and a copy of Workload Deployer Pattern for Web Applications V2.0 in support of Mobile Application Platform Pattern component

**DB2 support**

Worklight V6.2 includes a copy of DB2 Workgroup Server Edition V10.5 and DB2 Enterprise Server Edition V10.5 for zLinux only in support of the Worklight Server
component and a copy of IBM Transactional Database Pattern V1.1 in support of Mobile Application Platform Pattern component

**Branded application flexibility**

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


**Section 508 of the US Rehabilitation Act**

IBM Worklight V6.2 is capable as of &ega., 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 V6.2 is a core product within the overall IBM mobile strategy and part of the MobileFirst portfolio. Worklight V6.2 offers organizations a wide set of services aimed at helping them develop and deploy rich, cross-platform mobile applications that connect mobile employees and users to enterprise, back-end systems and cloud-based services.

Worklight V6.2, 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 V6.2 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.

**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, refer to Software Withdrawal Announcement 913-180, dated August 13, 2013.
Program number

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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

The 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

Education is a key component to ensuring software success. IBM creates a comprehensive portfolio of education material to help customers successfully deploy IBM software products to their maximum potential. The IBM education team is committed to providing the highest quality education content available to help your organization prosper in today's competitive marketplace. The IBM education team works closely with IBM product developers and IBM services organizations to ensure that the courses we offer provide the most current technical and product information. Our courses place an emphasis on the advanced knowledge and insight that only these sources can provide. We draw from a deep pool of IBM technical experience in the development of our courses, and pass that knowledge on to our students. Our courses emphasize hands on labs to develop comprehensive skills in using the product to solve business problems. The education offerings from IBM Training span the spectrum of skill needs, from introductory product overviews to advanced programming and product administration courses.

Role-based Training Paths can be found at:

http://www.ibm.com/software/websphere/education/paths/
The delivery of IBM education is provided by IBM Global Training Partners.

For more information about available education offerings, search on the product name at:

http://www.ibm.com/training

For building skills for a smarter planet, visit


**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 Worklight V6.2 in the readme file (readme.html) located on the root of the installation image.

**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
**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

**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™ V4.0.6 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 V9.7, V10.1, and V10.5 (include PureScale)
- Eclipse 4.2, and 4.3
- Oracle Java 7, IBM Java 6 or 7

**Supported mobile device operating systems**

- Android 2.3.3, 4.0, 4.1, 4.2, 4.3 and 4.4
- iOS 5, 6, 6.1, 7.0 and 7.1
- BlackBerry 6.0, 7.0, 7.1, 10.1 and 10.2
- Windows Phone 8.0
- Windows 8.0 and 8.1
- Windows RT

**Note:** The Mobile Test Workbench for Worklight component will only be available on Android, and on iOS operating systems.
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
- SmartCloud Orchestrator V2.3

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 letter. Documentation and other program content may be supplied only in the English language.

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

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 V6.2 package includes the license information document

- L-JTHS-9GUR6K IBM Worklight Enterprise Edition V6.2
- L-JTHS-9GUR6K IBM Worklight Consumer Edition V6.2
- L-JTHS-9HHJAQ IBM Worklight Developer Edition V6.2

The Worklight V6.2 package includes the following DVDs in their specific media packs:

- Worklight Enterprise Edition V6.2
  - Worklight Enterprise Edition
  - Rational Enterprise Deployment V1.7
  - DB2 Workgroup Server Edition V10.5 and DB2 Enterprise Server Edition V10.5 (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 V6.2
  - Worklight Consumer Edition
  - Rational Enterprise Deployment V1.7
  - DB2 Workgroup Server Edition V10.5 and DB2 Enterprise Server Edition V10.5 (on zLinux only)
  - WebSphere Application Server - Liberty Core V8.5.5
  - WebSphere Application Server - Liberty Core V8.5.5 Supplements (IBM HTTP Server)

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.

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/svpAuthorizedPortfolio

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/

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**Passport Advantage**

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Worklight Mobile Application Platform Pattern Enterprise Edition

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SW Subscription & Support Reinstatement 12 Months D0YT6LL

Per Client Device
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Annual SW Subscription & Support Renewal E0H3TLL
SW Subscription & Support Reinstatement 12 Months D0YTCLL

Worklight Mobile Application Platform Pattern Enterprise Edition for Non-Production

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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 Multilingual Media Packs are applicable to Worklight Enterprise Editions, and Worklight Consumer Edition platforms.

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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.

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<td>Per Install for Linux on System z</td>
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<td>SW S&amp;S Reinstatement 12 Months</td>
<td>D0VBQLL</td>
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Worklight Enterprise Edition for Non-Production Environment

Per Install for Linux on System z
- Linux on System z License + SW S&S 12 Months: D0UXMNL
- Linux on System z Annual SW S&S Renewal: E0F1MNL
- Linux on System z SW S&S Reinstall 12 Months: D0UXNML

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 Reinstall 12 Months: D0PN3LL

Worklight Consumer Edition Additional Brand Deployment

Per Application for Linux on System z
- Linux on System z License + SW S&S 12 Months: D0TDCLL
- Linux on System z Annual SW S&S Renewal: E0EKVLL
- Linux on System z SW S&S Reinstall 12 Months: D0TDDLL

Charge metric

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<td>5725-I43</td>
<td>Client Device</td>
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<td>Virtual Server</td>
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Metric definitions are available at

http://www.ibm.com/software/lotus/passportadvantage/about_software_licensing.html

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