IBM WebSphere Cast Iron Hypervisor Edition V6.4 delivers support for IBM API Management V2.0 and continues to provide rapid cloud integration

At a glance

Companies that adopt cloud and Software as a Service (SaaS) applications view application integration as an important component to harmonize business processes across their hybrid application landscape. WebSphere® Cast Iron® Cloud Integration can offer these key benefits:

- **Ability to quickly connect cloud and on-premise applications**: WebSphere Cast Iron Cloud Integration can help companies integrate in days, instead of weeks or months, with rich connectors and integration templates.
- **Synergy with other IBM® integration products**: Companies with significant application integration investment can use Cast Iron as the cloud gateway, allowing SaaS applications to become part of the larger integration framework.
- **Ability to collaborate with IBM Mobile Foundation**: Cast Iron works cooperatively with IBM Mobile Foundation to externalize enterprise data and processes in mobile applications.
- **Flexible pricing options**: Your purchasing options can range from paying by monthly subscription to acquiring a one-time charge license with unlimited endpoint connectivity.

Overview

The arrival of cloud computing and social media has changed the way we share, connect, and collaborate. Companies of all sizes are embracing this change and transforming their business to engage in new ways with their clients, employees, and business partners. Two trends have emerged as a result of this transformation:

- **Software as a Service (SaaS) as a consumption and delivery model**: Provides applications, data, and IT resources to you as services delivered over the network. SaaS applications help reduce the extensive IT costs of application deployment and help increase productivity by making applications available when you need them.
- **Mobile computing**: Can help reduce time-to-market, cost, and complexity of development while enabling an optimized customer and employee user experience across multiple environments.

With all their benefits, SaaS applications and mobile applications are still part of the enterprise computing platform and must work together with the rest of the enterprise landscape, which can often include on-premise systems and applications. Clients working to transform an enterprise today often face a hybrid environment consisting of SaaS applications, mobile applications, and traditional on-premise
applications. Integration is one of the keys to successfully driving value from SaaS applications and mobile solutions in this hybrid environment.

With WebSphere Cast Iron Hypervisor Edition V6.4, IBM continues to expand upon its capabilities to address the needs of these hybrid environments by providing rapid access to application data for application developers. This release enables WebSphere Cast Iron Hypervisor Edition to participate in IBM's on-premise API Management V2.0 solution. This new solution integrates the most important features that are necessary to enable the three most significant players in the API economy: application developers, business owners, and IT personnel. In addition, the Cast Iron Hypervisor Edition V6.4 can now operate on IBM Workload Deployer 3.1.0.7 or IBM PureApplication™ System W1500 1.0.0.4.

The WebSphere Cast Iron product portfolio is a platform that can enable rapid, no-coding construction of integration among SaaS applications, on-premise packaged applications, custom applications, and generic systems such as databases, files, and web services. The key features and capabilities of Cast Iron Cloud Integration are:

- **Out-of-the-box, rich connectors to applications, especially to enterprise-grade packaged applications, such as large ERP and CRM applications:** A connector enables you to connect to the targeted application and access the content of the application in a no-coding manner.
- **Simple user experience:** The Cast Iron portfolio provides rich capabilities in transformation, integration logics, and integration management. It can also provide infrastructure for custom connectivity and reuse of integration best practices. This infrastructure can provide a no-coding, highly usable user experience.
- **Support for a wide range of integration paradigms:** The Cast Iron portfolio includes process integration, data integration, UI mashups, and combinations.
- **Flexible deployment options:** Capabilities can be accessed in three form factors which are designed to be easy to access and use:
  - Virtual appliance - WebSphere Cast Iron Hypervisor Edition
  - Multi-tenant cloud service - WebSphere Cast Iron Live and Cast Iron Express®
  - Physical appliance - WebSphere DataPower® Cast Iron Appliance XH40

**Key prerequisites**

For details, refer to the Hardware requirements and Software requirements sections.

**Planned availability date**

- June 28, 2013 (electronic)
- July 12, 2013 (media pack)

**Description**

WebSphere Cast Iron Cloud Integration solutions help you quickly connect hybrid environments comprised of cloud and on-premise applications and help achieve lower cost and a higher return on investment in cloud, SaaS, and mobile applications.

You can develop integration using a "configuration, not coding" approach, and deploy in the following form-factors, each providing the same functionality:

- **WebSphere Cast Iron Hypervisor Edition:** A virtual appliance that can be installed on your existing servers using virtualization technology. Virtual appliances allow better utilization of hardware and faster response to demands for newly deployed systems on the real appliance, thus helping to reduce the costs of both hardware and software operation and maintenance. Deploying
virtual images may help businesses reduce the potential for errors and enable the rapid deployment of working systems for development, test, or production because virtual images are built with known, stable, and tested configurations.

- **WebSphere Cast Iron Live**: A complete multi-tenant cloud offering to connect cloud and on-premise applications. WebSphere Cast Iron Live enables you to design, run, and manage integrations in the cloud without any infrastructure footprint on-site.

- **WebSphere DataPower Cast Iron Appliance XH40**: A self-contained physical appliance that provides everything needed to connect cloud and on-premise applications. The appliance can be installed and managed within a local data center.

A related product, WebSphere Cast Iron Express, is a business-user-friendly, self-service cloud offering that allows you to rapidly connect and integrate data between your salesforce.com applications and other applications.

**WebSphere Cast Iron Cloud Integration**

WebSphere Cast Iron Cloud Integration portfolio delivers the following sets of capabilities:

- Integration scenarios
- Connectivity
- Reusability

**Integration scenarios**

Each of the WebSphere Cast Iron Cloud Integration components provides the following comprehensive integration capabilities:

- **Cloud data migration**: Allows data handling, using the WebSphere Cast Iron data cleansing and data migration capabilities, and enables expedited adoption of SaaS and cloud applications. This approach to data integration enables companies to cleanse, enrich, and migrate data from existing applications to cloud applications in real time.

- **Cloud data synchronization**: Provides connectivity, workflow, and transformation features, enabling you to coordinate or orchestrate integration processes across multiple applications in real time. SaaS and cloud users can view data that is hidden in applications, minimizing any duplicate entries and maximizing decision making and productivity.

- **Integration in visualization (UI mashups)**: Provides the capability to mashup information from disparate sources and to display this information using the native user interface of a cloud application in real time.

- **Integration that drives mobile applications**: Supports mobile applications by harnessing data and processes from other parts of the enterprise.

    For additional information on IBM Mobile Platform applications, refer to Software Announcements LP12-0211, dated April 24, 2012 and LP12-0630, dated November 13, 2012.

**Connectivity**

WebSphere Cast Iron Cloud Integration offerings come with built-in connectivity to hundreds of cloud, packaged, and proprietary on-premise applications, including ERP, CRM, databases, web services, and flat files. WebSphere Cast Iron Cloud Integration offerings are completely self-contained and include everything needed to complete integrations in one place.

This approach to integration makes no distinction between local and remote applications because they establish connectivity to the endpoints by using native application protocols. The advantage to this approach is that no additional adapters are required, and there is nothing to install or change at the endpoints.
A Connector Development Kit, provided with this offering, allows skilled developers to use WebSphere Cast Iron to add connectors to custom applications. With connectors built using the Connector Development Kit, users get the same development experience on IBM WebSphere Cast Iron Studio as with the built-in connectors. Cast Iron Studio is a downloadable development tool that can be used to design, test, and publish integration projects to a WebSphere Cast Iron Integration Appliance.

**Reusability**

The WebSphere Cast Iron Cloud Integration portfolio includes hundreds of reusable template integration processes (TIPs) that are searchable in an online library. This online library contains templates for many of the most common cloud integration scenarios. These templates encode common connectivity, known mapping, as well as best practice integration workflows.

Templates provide a question-and-answer-based wizard that walks users through a common integration scenario, customizing as needed. Often, users simply complete the credentials, customize mappings, test, and deploy. Cast Iron clients and partners can create their own wizard-driven, reusable templates with the point-and-click TIP Development Kit and make them available to the entire WebSphere Cast Iron Cloud Integration user community.

**Flexible packaging options**

- **Standard Edition**: Everything needed to configure, run, and manage the most common application integrations, including connectivity to cloud and standard on-premise applications, data synchronization and data migration scenarios, and access to hundreds of reusable TIPs. Standard Edition includes the ability to connect two applications, with an option to acquire additional application endpoints.

- **Enterprise Edition**: Includes everything in the Standard Edition, plus advanced capabilities, including the ability to connect enterprise on-premise applications, use data quality features, develop reusable templates, and manage and monitor the solution remotely through management APIs.

- **Application Endpoints**: Adds the ability to integrate additional applications, while acquiring only what is needed. Choose from any of hundreds of cloud and on-premise applications. Available with both the Standard and Enterprise Editions.

- **Development Edition**: Provides a complete, shared development environment for non-production use, and with no limit on the number of applications integrated.

- **Unrestricted Application Endpoints**: Adds the ability (per appliance) to integrate any number of applications across hundreds of cloud and on-premise applications. Available with both the Standard and Enterprise Editions.

**Additional Information**

For more information about acquiring WebSphere Cast Iron solutions, contact an IBM representative or an IBM Business Partner, or visit


For more information about WebSphere Cast Iron XH40 Appliance, WebSphere Cast Iron Live, and WebSphere Cast Iron Express, refer to the Reference information section.

Trials are available, allowing you to try and buy, in a self-serve fashion. This includes:

- **60-day trial**: Cast Iron Express is available at
  http://express.castiron.com/

- **90-day trial**: Cast Iron Live Web API is available at
  http://webapi.castiron.com/
Reference information

For information on API Management V2.0, refer to Software Announcement LP13-0185, dated April 23, 2013.


For information on WebSphere DataPower Cast Iron Appliance XH40 Support Registration, refer to Software Announcement LP11-0509, dated August 30, 2011.

For information on WebSphere Cast Iron Live V6.3 or WebSphere Cast Iron Express V6.3, refer to Software Announcement LP12-0640, dated December 11, 2012.

For information on IBM WebSphere Cast Iron Live and Express subscription options, refer to Software Announcement LP11-0604, dated November 29, 2011.

For additional information on IBM Mobile Platform applications, refer to Software Announcements LP12-0211, dated April 24, 2012 and LP12-0630, dated November 13, 2012.

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Education support

Education support will be provided for the products in this announcement.

IBM Global Services, IT Education Services, supports many IBM offerings.

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/

For descriptions of courses for IT professionals and managers, visit

http://www.ibm.com/services/learning/training.html

Contact your IBM representative for course information.
**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**

No new or updated publications are shipped with this offering.

WebSphere Cast Iron Hypervisor Edition publications are available in the online Information Center. Visit

http://pic.dhe.ibm.com/infocenter/wci/v6r3m0/index.jsp

**Technical information**

**Specified operating environment**

**Hardware requirements**

Processor with virtualization technology -- for example, Intel® VT-x or Advanced Micro Devices AMD-V. Cast Iron Hypervisor Edition uses a 64-bit kernel. Virtualization technology support must be installed and enabled. In some cases this feature is enabled through a BIOS setting. Features required:

- 60 GB of available disk space
- One of these supported configurations, which will be selected during installation:
  a. 1 CPU, 4 GB RAM
  b. 2 CPU, 8 GB RAM

Web management console requires hardware compatible with a supported version of Microsoft® Windows™ to run a supported browser.

Studio tooling requires a minimum of 1 GB memory (RAM).

**Software requirements**

**WebSphere Cast Iron Hypervisor Edition V6.4**

Hypervisor Edition can run on one of the following hosting environments:

- VMware ESX/ESXi 4.0, 4.1, or 5.0
- IBM Workload Deploier 3.1.0.7
- IBM PureApplication System W1500 1.0.0.4
- Xen server 4.0.0.0 running on Red Hat Enterprise Linux™ Server release 5.6

The Studio component of WebSphere Cast Iron Hypervisor Edition requires Microsoft Windows XP or Windows 7.

Web management console of WebSphere Cast Iron Hypervisor Edition V6.4 requires:

- One of the following browsers:
  - Microsoft Internet Explorer V8, or later
- Mozilla Firefox V3, or later
- Google Chrome V23
- Adobe™ Flash Player V9, or later

For the most current WebSphere Cast Iron Cloud Integration system requirements visit


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.

**Planning information**

**Packaging**

IBM WebSphere Cast Iron Hypervisor Edition is distributed via electronic download and a set of physical media packs consisting of multiple DVDs. This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, which will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

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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/b_locator/

Product group: WebSphere

Product Identifier Description (PID)

IBM WebSphere Cast Iron Hypervisor Edition Standard 5725-C11

IBM WebSphere Cast Iron Hypervisor Edition Enterprise 5725-C12

Product category: Application Integration Middleware Other

Except for the new media pack part numbers, the remaining ordering information for IBM WebSphere Cast Iron Hypervisor Edition Standard V6.4 and IBM WebSphere Cast Iron Hypervisor Edition Enterprise V6.4 is unchanged from the previous release. Refer to the ordering information in Software Announcement LP11-0418, dated August 23, 2011.
Passport Advantage customer: Media pack entitlement details

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

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WebSphere Cast Iron Hypervisor Edition V6.4: (Passport Advantage)

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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.

Terms and conditions

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This software license includes Software Subscription and Support (also referred to as Software Maintenance).

License Information form number

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Edition Enterprise for Development
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Edition Standard with 2 Endpoints
IBM WebSphere Cast Iron Hypervisor               L-SBRY-965JG3
Edition Enterprise with 2 Endpoints

The program's License Information will be available for review on the IBM Software License Agreement website


Search on "Cast Iron Hypervisor" or by program number.

**Limited warranty applies**
Yes

**Limited warranty**
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**Volume orders (IVO)**

No

**Passport Advantage applies**

Yes, and through the Passport Advantage website at

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

**Usage restriction**

Yes

**WebSphere Cast Iron Hypervisor Edition V6.4**

If Licensee acquires a Standard Runtime entitlement, then notwithstanding any provision in the Agreement, Licensee is not authorized to use any of the following components or functions of the Program:

1. Enterprise Application Endpoints: The ability to connect to Enterprise applications such as JD Edwards, Peoplesoft, SAP, Siebel, or other similar type of applications
2. Data Quality Features: The specific data quality features or activities within the Program (for example, filter and profile, look up, sort, and merge)
3. Template Development Kit: A set of features within the Program used to develop Template Integration Processes (TIPs)
4. Management APIs: The set of application programming interfaces (APIs) in the Program that allow users to programmatically perform management, monitoring, user provisioning, and deployment activities

**Software Subscription and Support applies**

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Other support
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System i Software Maintenance applies
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Variable charges apply
No

Educational allowance available
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