IBM WebSphere DataPower Cast Iron Appliance XH40 firmware V7.0 delivers rapid cloud integration

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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. IBM® WebSphere® Cast Iron® Cloud Integration portfolio offers these key benefits:

• Ability to quickly connect cloud and on-premise applications: WebSphere Cast Iron Cloud Integration helps 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 Worklight®: Cast Iron works cooperatively with Worklight to externalize enterprise data and processes in mobile applications.
• Flexible pricing options: Your purchasing options can range from paying an annual subscription to acquiring a one-time charge license with unlimited endpoint connectivity depending on the form factor you choose.

Overview

Today’s enterprise often reflects 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 IBM WebSphere DataPower® Cast Iron Appliance XH40 firmware V7.0, IBM continues to expand upon its capabilities to address the needs of enterprises with these hybrid environments by providing rapid access to application data for application developers.

This new version of WebSphere DataPower Cast Iron Appliance XH40 firmware delivers the following functional enhancements:

• Improved performance: Migration to a 64-bit Java™ Virtual Machine (JVM) can increase scalability of virtual and physical appliances.
• Improved security capabilities:
  – Updated security, encryption, control, and logging features
  – Support for OAuth2.0 and Security Assertion Markup Language (SAML)
  – Access control allows granular control of user privileges and segregation of management activities and views
  – Support for logging all user activities
• Ease of management: Extended Web Management Console capabilities helps to more easily manage multiple virtual and physical appliances.
Increased connectivity: Integration offering for industry solution products through template integration processes (TIPs) and connectors can help you quickly integrate with third-party applications.

Enhanced capabilities for MSPs: With Secure Connector support for DataPower Cast Iron Appliance, MSPs have flexibility in deployment options for providing Integration as a Service to their clients.

Cast Iron Solution Overview

The WebSphere Cast Iron Integration 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 services are:

- Prebuilt, rich connectors to applications, especially to enterprise-grade packaged applications, such as large enterprise resource planning (ERP) and customer relationship management (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:
  - Physical appliance: WebSphere DataPower Cast Iron Appliance XH40
  - Multi-tenant cloud service: WebSphere Cast Iron Live and Cast Iron Express®
  - Virtual appliance: WebSphere Cast Iron Hypervisor Edition

Key prerequisites

- Microsoft® Windows®
- Internet browser

For additional details, refer to the Software requirements section.

Planned availability date

- November 15, 2013: Electronic download. Refer to Firmware upgrade section for details.

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

Description

WebSphere Cast Iron Cloud Integration solutions help you quickly connect hybrid environments comprised of cloud and on-premise applications and may 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 provides the same functionality:

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

- **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 in contrast to deployment on real appliances, 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. 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 DataPower Cast Iron Appliance XH40**

WebSphere DataPower Cast Iron Appliance XH40 is a 1U, 4.4 cm (1.75 in), rack-mountable appliance, designed to fit into industry-standard racks, and can be attached to the network via Ethernet. The Cast Iron "configuration, not coding" approach helps numerous companies go live with their SaaS application initiatives in days or weeks, in contrast to a traditional coding approach, which could take many months. The term licensing pricing options help enable you to get started at low cost and grow into larger cloud integration projects over time.

**WebSphere DataPower Cast Iron Appliance XH40 firmware**

WebSphere DataPower Cast Iron Appliance XH40 firmware delivers the following sets of capabilities:

- **Integration scenarios**
- **Connectivity**
- **Reusability**

**Integration scenarios**

WebSphere DataPower Cast Iron Appliance XH40 firmware V7.0 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. It enables 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 by minimizing any duplicate entries, which also helps to maximize 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 Worklight applications, refer to Software Announcement ZP13-0498, dated October 1, 2013, and Software Announcement ZP13-0182, dated April 23, 2013.
**Connectivity**

WebSphere DataPower Cast Iron Appliance XH40 firmware V7.0 comes with built-in connectivity to hundreds of cloud, packaged, and proprietary on-premise applications, which include ERP, CRM, databases, web services, and flat files. WebSphere DataPower Cast Iron Appliance XH40 is completely self-contained and includes 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 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 DataPower Cast Iron Appliance.

**Reusability**

WebSphere DataPower Cast Iron Appliance XH40 firmware V7.0 includes hundreds of reusable 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, and includes 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 your IBM representative or IBM Business Partner, or visit

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

Accessibility by people with disabilities

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


Reference information


For additional information on WebSphere DataPower Cast Iron Appliance XH40, refer to Hardware Announcement ZG13-0133, dated April 23, 2013, and Hardware Announcement ZG11-0262, dated August 30, 2011.

For information on WebSphere DataPower Cast Iron Appliance XH40 Support Registration, refer to Software Announcement ZP11-0494, dated August 30, 2011.


Product number

There are no product or feature changes to WebSphere DataPower Cast Iron Appliance XH40 as previously announced in Hardware Announcement ZG11-0262, dated August 30, 2011. New firmware (Version 7.0) will be available for WebSphere DataPower Cast Iron Appliance XH40 on November 15, 2013.

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<td>7198</td>
<td>8FX</td>
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**Features**

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Specify features

Two power cords are shipped with each machine because the DataPower 7198 contains two power supplies. These features are available for each appliance.

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Program numbers

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WebSphere DataPower Cast Iron Appliance XH40

Enterprise Edition - application endpoints

- One-time-charge license  V7.0.0  5765-W34
- 1-year Fixed term license  V7.0.0  5765-W08
- 2-year Fixed term license  V7.0.0  5765-W09
- 3-year Fixed term license  V7.0.0  5765-W10
- Renewal 1-year  V7.0.0  5765-W11

WebSphere DataPower Cast Iron Appliance XH40

Standard Development Edition

- One-time-charge license  V7.0.0  5765-W40
- 1-year Fixed term license  V7.0.0  5765-CB9
- 2-year Fixed term license  V7.0.0  5765-W01
- 3-year Fixed term license  V7.0.0  5765-W02
- Renewal 1-year  V7.0.0  5765-W03

WebSphere DataPower Cast Iron Appliance XH40

Enterprise Development Edition

- One-time-charge license  V7.0.0  5765-W46
- 1-year Fixed term license  V7.0.0  5765-W12
- 2-year Fixed term license  V7.0.0  5765-W13
- 3-year Fixed term license  V7.0.0  5765-W14
- Renewal 1-year  V7.0.0  5765-W15

In addition, the version-release-modification level for WebSphere DataPower Cast Iron Appliance XH40 Subscription and Support is unchanged with this announcement. For additional information on the various options for WebSphere DataPower Cast Iron Appliance XH40 Subscription & Support, refer to Software Announcement ZP11-0494, dated August 30, 2011.

Education support

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

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

Contact your IBM representative for course information.

Publications

No new or updated publications are shipped with this offering.

WebSphere Cast Iron publications will be available on November 15, 2013 in the online Information Center. Visit

http://pic.dhe.ibm.com/infocenter/wci/v7r0m0/index.jsp

National language support

WebSphere DataPower Cast Iron Appliance XH40 firmware is translated to the languages in the following list except for the web management console. All current code pages for these languages are supported.

<table>
<thead>
<tr>
<th>Description</th>
<th>Language</th>
<th>Availability date</th>
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</table>
Global Technology Services®

IBM services include business consulting, outsourcing, hosting services, applications, and other technology management.

These services help you learn about, plan, install, manage, or optimize your IT infrastructure to be an On Demand Business. They can help you integrate your high-speed networks, storage systems, application servers, wireless protocols, and an array of platforms, middleware, and communications software for IBM and many non-IBM offerings. IBM is your one-stop shop for IT support needs.

For details on available services, contact your IBM representative or visit

http://www.ibm.com/services/

For details on available IBM Business Continuity and Recovery Services, contact your IBM representative or visit

http://www.ibm.com/services/continuity

For details on education offerings related to specific products, visit


Select your country, and then select the product as the category.

Technical information

For more technical information of WebSphere DataPower Cast Iron Appliance XH40, refer to the information in Hardware Announcement ZG11-0262, dated August 30, 2011.

Specified operating environment

Physical specifications

For physical specifications of WebSphere DataPower Cast Iron Appliance XH40, refer to the information in Hardware Announcement ZG11-0262, dated August 30, 2011.

Standards

For standards information, which includes operating environment, shipping environment, machine acoustics, and electrical power for WebSphere DataPower Cast Iron Appliance XH40, refer to the information in Hardware Announcement ZG11-0262, dated August 30, 2011.

Homologation

This product is not certified for direct connection by any means whatsoever to interfaces of public telecommunications networks. Certification may be required by law prior to making any such connection. Contact an IBM representative or reseller for any questions.

Software requirements

Studio component of WebSphere DataPower Cast Iron Appliance XH40 requires one of the following:

- Microsoft Windows XP
- Windows 7
Web management console of WebSphere DataPower Cast Iron Appliance XH40 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

The Siebel connector, shipped as part of WebSphere Cast Iron V6.0, was built on non-IBM developed libraries. WebSphere Cast Iron V6.1 included an IBM-developed equivalent for these libraries. At that time, the non-IBM variants were deprecated but continued to be shipped to enable migration. Starting with WebSphere Cast Iron V7.0, only the IBM-developed libraries are included with WebSphere Cast Iron. Therefore, any applications still using the WebSphere Cast Iron V6.0 version of the connector must be migrated to the new version, as detailed in the technote:


The original Siebel connector is supported until WebSphere Cast Iron V6.1, V6.3, and V6.4 are withdrawn from support.

For the most current WebSphere Cast Iron Cloud integration system requirements, visit


**Firmware upgrade**

Existing WebSphere Cast Iron physical appliance clients can upgrade their firmware to Version 7.0.0.0 by obtaining the upgrade image from IBM Fix Central at

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

To find the updated firmware:

- Click Select Product
- Select "WebSphere" in the Product Group field
- Select "WebSphere Cast Iron Cloud Integration" in the Select from WebSphere field
- Select "All" in the Installed Version field
- Click continue
- Type "V7.0" in the "Text" field, then click Continue

In the resulting list of fixes, move your cursor over the hyperlink describing the listed packages. To upgrade to Version 7.0, select the package described in the abstract as, "WebSphere Cast Iron V7.0.n.n physical appliance upgrade file".

**Planning information**

**Customer responsibilities**

The WebSphere DataPower Cast Iron Appliance XH40 is designated for customer setup. Customer setup instructions are shipped with the product.

For cable orders, installability, and packaging, refer to the information in Hardware Announcement ZG11-0262, dated August 30, 2011.
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 communications 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, and/or integration of this product.

Announcement countries

All European, Middle Eastern, and African countries except:

- Iran
- Sudan
- Syria

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