



IBM WebSphere Cast Iron Appliance XH40 firmware V6.3 provides rapid cloud integration

Table of contents

1 Overview	5 Product number
2 Key prerequisites	7 Publications
2 Planned availability date	8 Technical information
2 Description	

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) is 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.

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:
 - 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

For details, refer to the [Software requirements](#) section.

Planned availability date

- December 14, 2012 - Firmware V6.3 available on WebSphere Cast Iron website
- January 25, 2013 - Firmware V6.3 ships on WebSphere DataPower Cast Iron Appliance XH40

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 providing the same functionality:

- **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.
- **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.

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 easily take many months. The term licensing pricing options help enable clients 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 can deliver the following sets of capabilities:

- Integration scenarios
- Connectivity
- Reusability

Integration scenarios

WebSphere DataPower Cast Iron Appliance XH40 firmware V6.3 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 [212-157](#), dated April 24, 2012 and [212-486](#), dated November 13, 2012 .

Connectivity

WebSphere DataPower Cast Iron Appliance XH40 firmware V6.3 comes with built-in connectivity to hundreds of cloud, packaged, and proprietary on-premise applications, including 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 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

WebSphere DataPower Cast Iron Appliance XH40 firmware V6.3 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 your IBM representative or IBM Business Partner, or visit

<http://www.ibm.com/software/integration/cast-iron-cloud-integration/>

For more information about WebSphere Cast Iron Hypervisor Edition, 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 a:

- 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/>

Accessibility by people with disabilities

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

http://www.ibm.com/able/product_accessibility/index.html

Reference information

For information on WebSphere Cast Iron Hypervisor Edition V6.3, refer to Software Announcement [212-494](#), dated December 11, 2012 .

For information on WebSphere Cast Iron Live V6.3 or WebSphere Cast Iron Express V6.3, refer to Software Announcement [212-493](#), dated December 11, 2012 .

For information on IBM WebSphere Cast Iron Live and Express subscription options, refer to Software Announcement [211-486](#), dated November 29, 2011 .

For additional information on WebSphere DataPower Cast Iron Appliance XH40, refer to Hardware Announcement [111-159](#), dated August 30, 2011 .

For information on WebSphere DataPower Cast Iron Appliance XH40 Support Registration, refer to Software Announcement [211-405](#), dated August 30, 2011 .

For additional information on IBM Mobile Platform applications, refer to Software Announcements [212-157](#), dated April 24, 2012 and [212-486](#), dated November 13, 2012 .

Product number

There are no product or feature changes to WebSphere DataPower Cast Iron Appliance XH40 as previously announced in Hardware Announcement [111-159](#), dated August 30, 2011 . New firmware (V6.3) is planned to be available for WebSphere DataPower Cast Iron Appliance XH40.

Description	Machine type	Model
IBM WebSphere DataPower Cast Iron Appliance XH40	7198	8FX

Features

Description	Machine	Model	Feature
WebSphere Cast Iron Enterprise Edition Preload	7198	8FX	8101
WebSphere Cast Iron Enterprise Development Edition Preload	7198	8FX	8102
WebSphere Cast Iron Standard Edition Preload	7198	8FX	8013
WebSphere Cast Iron Standard Development Edition Preload	7198	8FX	8014

Specify features

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

Description	Machine	Model	Feature
Rail Kit	7198	8FX	6799
Line cord - 2.8m, 10A/250V, C13 to GB 2099.1 (China)	7198	8FX	6210
Line cord - 2.8m, 10A/250V,	7198	8FX	6211

C13 to AS/NZ 3112 (Australia/NZ) Line cord - 2.8m, 10A/250V, C13 to IEC 309 Type 2P + Gnd (Europe)	7198	8FX	6212
Line cord - 2.8m, 10A/250V, C13 to DK2-5a (Denmark)	7198	8FX	6213
Line cord - 2.8m, 10A/250V, C13 to SABS 164 (S Africa)	7198	8FX	6214
Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)	7198	8FX	6215
Line cord - 2.8m, 10A/250V, C13 to SEV 1011-S24507 (Swiss)	7198	8FX	6216
Line cord - 2.8m, 220-240V, C13 to IMQ CEI 23-16 (Italy/Chile)	7198	8FX	6217
Line cord - 2.8m, 10A/250V, C13 to SI 32 (Israel)	7198	8FX	6218
Line cord - 2.8m, 12A/100V, C13 to KETI (Korea)	7198	8FX	6219
Line cord - 2.8m, 10A/250V, C13 to IRAM 2073 (Argentina)	7198	8FX	6222
Line cord - 2.8m, 10A/125V, C13 to IEC320 (Brazil)	7198	8FX	6223
Line cord - 2.8m 10A/250V, C13 (2P+Gnd) (India)	7198	8FX	6269
Line cord - 2.8m, 10A/125V, C13 to NEMA 5-15P (US)	7198	8FX	6313
Line cord - 2.8m, 12A/100V, C13 to JIS C-8303 (Japan)	7198	8FX	6314
Line cord - 2.8m, 10A/125V, C13 to CNS 10917-3 (Taiwan)	7198	8FX	6386

Program numbers

Firmware program name	VRM	Program number
WebSphere DataPower Cast Iron Appliance XH40 Standard Edition - with 2 endpoints		
- One-time-charge license	V6.3.0	5765-w16
- 1-Year Fixed term license	V6.3.0	5765-CB1
- 2-Year Fixed term license	V6.3.0	5765-CB2
- 3-Year Fixed term license	V6.3.0	5765-CB3
- Renewal 1-year	V6.3.0	5765-CB4
WebSphere DataPower Cast Iron Appliance XH40 Standard Edition - application endpoints		
- One-time-charge license	V6.3.0	5765-w22
- 1-Year Fixed term license	V6.3.0	5765-CB5
- 2-Year Fixed term license	V6.3.0	5765-CB6
- 3-Year Fixed term license	V6.3.0	5765-CB7
- Renewal 1-year	V6.3.0	5765-CB8
WebSphere DataPower Cast Iron Appliance XH40 Enterprise Edition with 2 endpoints		
- One-time-charge license	V6.3.0	5765-w28
- 1-Year Fixed term license	V6.3.0	5765-w04
- 2-Year Fixed term license	V6.3.0	5765-w05
- 3-Year Fixed term license	V6.3.0	5765-w06
- Renewal 1-year	V6.3.0	5765-w07
WebSphere DataPower Cast Iron Appliance XH40 Enterprise Edition - application endpoints		
- One-time-charge license	V6.3.0	5765-w34
- 1-Year Fixed term license	V6.3.0	5765-w08
- 2-Year Fixed term license	V6.3.0	5765-w09
- 3-Year Fixed term license	V6.3.0	5765-w10
- Renewal 1-year	V6.3.0	5765-w11
WebSphere DataPower Cast Iron Appliance XH40 Standard Development Edition		
- One-time-charge license	V6.3.0	5765-w40
- 1-Year Fixed term license	V6.3.0	5765-CB9
- 2-Year Fixed term license	V6.3.0	5765-w01

- 3-Year Fixed term license V6.3.0 5765-w02
- Renewal 1-year V6.3.0 5765-w03

WebSphere DataPower Cast Iron Appliance XH40
Enterprise Development Edition

- One-time-charge license V6.3.0 5765-w46
- 1-Year Fixed term license V6.3.0 5765-w12
- 2-Year Fixed term license V6.3.0 5765-w13
- 3-Year Fixed term license V6.3.0 5765-w14
- Renewal 1-year V6.3.0 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 and Support, refer to Software Announcement [211-405](#), dated August 30, 2011 .

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM , you may link directly to Business Partner information for this announcement. A PartnerWorld® ID and password are required (use IBM ID).

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=112-229>

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 additional IBM education, visit

<http://www.ibm.com/training/us>

Call IBM training at 800-IBM-TEACH (426-8322) for catalogs, schedules, and enrollments.

Publications

WebSphere Cast Iron publications will be available on December 14, 2012, in the online Information Center. Visit

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

Services

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

<http://www.ibm.com/services/learning/index.html>

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 [111-159](#), 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 [111-159](#), dated August 30, 2011 .

Standards

- FCC - Verified to comply with Part 15 of the FCC Rules, Class A
- Canada ICES-003, issue 4, Class A
- UL/IEC 60950-1
- CSA C22.2 No. 60950-1
- NOM-019

Operating environment

- Temperature:
 - 10° to 35°C (50° to 95°F) at 0 to 914 m (0 to 3,000 ft)
 - 10° to 32°C (50° to 90°F) at 914 to 2,133 m (3,000 to 7,000 ft)
 - Powered off: 10° to 43°C (50° to 109.4°F), maximum altitude: 2133.6 m (7,000 ft)
- Relative humidity: 8% to 80%

Shipping environment

- Temperature: -40° to 60°C (-40° to 140°F)
- Relative humidity: 8% to 80%

Electrical power

100 to 127 or 200 to 240 V ac at 50 Hz or 60 Hz

Power usage:

- 10 A for 120 V ac
- 5 A for 220 V ac

The WebSphere DataPower Cast Iron Appliance XH40 contains two 650-watt power modules that operate at 100 to 127 V ac or 200 to 240 V ac at 50 or 60 Hz.

Both power supply modules must be connected to the same power source to prevent ground voltage potential difference between the two power modules.

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
- Adobe™ Flash Player V9, or later
- Google Chrome V23

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

<http://www.ibm.com/software/integration/cast-iron-cloud-integration/reqs/>

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 [111-159](#), 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.

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