IBM WebSphere DataPower Cast Iron Appliance XH40 rapidly delivers cloud integration

Table of contents

At a glance

Companies that adopt cloud and Software as a Service (SaaS) applications view application integration as the critical component to harmonize business processes across their hybrid application landscape. WebSphere® DataPower® Cast Iron® Appliance XH40 can offer these key benefits:

- Cloud and SaaS to on-premise application integration in days. Companies can integrate in days, instead of weeks or months. This alignment with the deployment timelines of cloud applications enables users to expedite their application deployment time frames.
- Significant cost savings through configuration, not coding, and reduced enterprise resource planning (ERP) licensing
- Enhanced IT innovation

  - The solution is delivered through an on-premise appliance or the cloud, requiring no additional IT purchases or additions. Both approaches eliminate complex coordination or specialized IT skills for deployment.
  - The simplicity of this solution allows IT executives to reallocate senior resources to more innovation-oriented projects.

Overview

To cut costs, drive productivity, and provide new capabilities quickly, companies are turning to cloud computing to meet business needs. Cloud computing is a new consumption and delivery model providing applications, data, and IT resources to users as services delivered over the network.

Cloud applications are delivered as a service known as Software as a Service (SaaS). SaaS applications can help reduce IT costs by reducing the resources required for application deployment and increasing the productivity of business users by making applications available at the time of need. Because Cloud applications (from service providers) have a pricing structure that reduces budgetary issues, there is less delay in new application procurement.

As the popularity of SaaS and cloud applications grows, department-level solutions for reducing cost and increasing the effectiveness of specific employee teams face hurdles to grow these solutions, while supporting the wider enterprise. On a daily basis, users require access to various systems and applications that are critical to doing their job. These applications may include cloud applications and on-premise systems and applications.

It is critical that these applications and systems are integrated and function seamlessly, providing each user with the latest information. Many companies have a hybrid world of cloud and on-premise applications making integration critical.

WebSphere DataPower Cast Iron Appliance XH40 delivers a purpose-built, easy-to-use appliance designed for simplified deployment to deliver the capabilities needed for cloud and on-premise application integration. Designed to reduce installation and configuration time, WebSphere DataPower Cast Iron Appliance XH40 helps you rapidly deploy WebSphere Cast Iron-based SaaS integration.

Feature exchange

Not applicable

Key prerequisites

For details, refer to the Software requirements section.

Planned availability date

September 16, 2011

Description

New hardware platform for WebSphere DataPower appliances

- 1U high-density rackmount design
- Latest-generation hardware technology that can increase performance and capacity
- Increased serviceability with multiple field-replaceable parts
- Customized intrusion detection handling
- Enhanced LEDs for different hardware components, which provide user feedback
- New hardware diagnostic tool to help identify hardware problems

Today's dynamic business environments and economic uncertainty mean organizations must work smarter to remain competitive and respond to changing customer demands for better and newer products and services at lower costs. Working smarter means a business needs the agility to take advantage of new revenue opportunities and address competitive threats. Optimize costs by slashing operational and maintenance expenses while increasing efficiency.

For many businesses, a primary barrier to business agility and cost optimization is IT complexity. In order to achieve business goals, IT must be able to quickly and easily deliver on the needs of the business while supporting innovation.

WebSphere Cast Iron Cloud integration portfolio provides leading SaaS and cloud application integration. WebSphere Cast Iron Cloud integration enables you to connect the hybrid world of cloud and on-premise applications within days and achieve lower cost and higher return on investment in cloud and SaaS models.

Users can develop integration using a configuration, not coding approach and deploy them 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. Built on market-leading IBM® technology, 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 by using virtualization technology. Provides the same functionality as the physical appliance.
- 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.

    For more information about acquiring WebSphere Cast Iron integration, contact an IBM representative, 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.

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 slash SaaS integration project costs, compared to traditional approaches. Companies have reduced ERP licensing costs by eliminating the need for cloud users to log into back-office applications. The term licensing pricing options available help companies slash their up-front, capital expenditure costs. WebSphere DataPower Cast Iron Appliance XH40 delivers the following sets of capabilities:

- Comprehensive cloud integration scenarios
- Comprehensive connectivity
- Comprehensive reusability

Comprehensive Cloud integration scenarios. WebSphere DataPower Cast Iron Appliance XH40 provides the following complete integration capabilities in one product.

- 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. Now, SaaS and cloud users can immediately view data that is hidden in applications, minimizing any duplicate entries and maximizing decision making and productivity.
- Cloud user interface (UI) mashups. Consolidate information from disparate sources for use within the native user interface of a single application. UI developers can mash up that data to present a single unified view, without moving the data from one application into another.

Comprehensive connectivity

WebSphere DataPower Cast Iron Appliance XH40 comes with built-in connectivity to hundreds of cloud, packaged, and proprietary on-premise applications, including ERP, customer relationship management (CRM), databases, web services, and flat files. It is completely self-contained and includes everything needed to complete integrations in one place.

This progressive approach to integration makes no distinction between local and remote applications because they establish connectivity to the end points by using native application protocols. The advantage is that no additional adapters are required, and there is nothing to install or change at the end points.

A Connector Development Kit is provided that allows skilled developers to extend WebSphere Cast Iron to add connectors to custom applications. With connectors

built using the Connector Development Kit, end-users get the same first-class development experience on Cast Iron Studio as with the built-in connectors.

Comprehensive reusability

WebSphere DataPower Cast Iron Appliance XH40 includes hundreds of reusable template integration processes (TIPs) that are searchable with a single click in an online library. This online library contains templates for all of the most common cloud integration scenarios.

Templates provide a question-and-answer-based wizard that walks users through a common integration scenario. For example, a TIP might ask for all the information needed to transform an opportunity in a CRM system to an order in an ERP system.

Create customized, wizard-driven reusable templates with the point-and-click TIP Development Kit and make them instantly available to the entire Cast Iron user community.

Flexible packaging options

The WebSphere DataPower Cast Iron Appliance XH40 offering provide 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, perform UI mashups, 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.
- **Unlimited 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.

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, refer to Software Announcement 211-327, dated August 23, 2011.

For information on WebSphere DataPower Cast Iron Appliance XH40 Software Subscription and Support, refer to Software Announcement 211-405, dated August 30, 2011.

For information on WebSphere Cast Iron Live and WebSphere Cast Iron Express, refer to Software Announcement 211-291, dated August 16, 2011.

Product number

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, C13 to AS/NZ 3112 (Australia/NZ)	7198	8FX	6211
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

Education support

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

Publications

WebSphere Cast Iron Cloud integration publications will be available at September 16, 2011 on the online Information Center. Visit

http://publib.boulder.ibm.com/infocenter/wci/v6r1m0/index.jsp

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=111-159

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

Specified operating environment

Physical specifications
- Height: 4.45 cm (1.75 in)
- Width: 43.8 cm (17.25 in)
- Depth: 63.5 cm (25 in)
- Weight: 15 kg (33 lb)

The WebSphere DataPower Cast Iron Appliance XH40 must be installed in an EIA-310-D 48.3 cm (19-inch) rack with at least 71.1 cm (28 in) of depth (from rail flange to flange).

To assure installability and serviceability in non-IBM industry-standard racks, review the installation planning information for any product-specific installation requirements.

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

Shipping environment

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

Electrical power

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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
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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.

Software requirements

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

- Microsoft™ Windows™ XP
- Windows Vista
- Windows 7

The web management console of WebSphere DataPower Cast Iron Appliance XH40 requires:

- One of the following browsers:
  - Microsoft Internet Explorer v7 or v8
  - Mozilla Firefox v3, v4, or v5
- Adobe™ Flash Player v9 or v10

For 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.

Cable orders

The WebSphere DataPower Cast Iron Appliance XH40 contains one 2x10 GbE and one 8x1 GbE connection. The RJ-45 connectors provide a 10/100/1000 Base-T interface (either at half-duplex or full-duplex) for connecting twisted-pair cable to the Ethernet network. Cabling is not included with the appliance.

To connect the Ethernet interface to a repeater or switch, use an unshielded twisted pair (UTP) cable with RJ-45 connectors at both ends.

- For 100 Mbps or higher operation, Category 5 cabling must be used.
- For 10 Mbps operation, Category 3, or better cabling, must be used.

The provided SFP+ connectors allow for three options:

- 10GBASE-SR transceivers (for 300 m multimode fiber)
- 10GBASE-LR transceivers (for 10 Km singlemode fiber)
- 10GBASE-Cu direct attach twinaxial cables, up to 10 m

The WebSphere DataPower Cast Iron Appliance XH40 contains a single RS-232c serial port connection. The RJ45 connector provides a 9600 baud asynchronous serial interface for connecting a serial cable to a console terminal (typically a terminal emulator running on an IBM PC). A 6-foot-long "NULL modem" cable, with one RJ45 connector and one female DB-9 connector, is provided with the appliance for this purpose. The terminal serial parameters should be set to 9600 baud, no parity, 1-stop bit, XON/XOFF handshaking.

Installability

The WebSphere DataPower Cast Iron Appliance XH40 requires approximately 30 minutes for installation. Installation includes unpacking, rack-mounting, connecting network and console cables, and powering on the system. Additional time is required to configure the software.

Packaging

Each WebSphere DataPower Cast Iron Appliance XH40 is shipped in a single package.

- Single pack dimensions: 90 x 64 x 30 cm (35.5 x 25.5 x 12 in)
- Single pack weight: 25 kg (55.1 lb)

The WebSphere DataPower Cast Iron Appliance XH40 carton contains:

- WebSphere DataPower Cast Iron Appliance XH40
- Two power cords
- Installation Guide
- Quick Start Guide
- Safety Pointer sheet
- Resource CD
- Warranty flyer
- Console serial cable
- Rack-mount kit, including two power cords

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.

Terms and conditions

IBM Global Financing

Yes

Warranty period

WebSphere DataPower Cast Iron Appliance XH40 - One year

An IBM part or feature installed during the initial installation of an IBM machine is subject to a full warranty effective on the date of installation of the machine. An IBM part or feature which replaces a previously installed part or feature assumes the remainder of the warranty period for the replaced part or feature. An IBM part or feature added to a machine without replacing a previously installed part or feature is subject to a full warranty effective on its date of installation. Unless specified otherwise, the warranty period, type of warranty service, and service level of a part or feature is the same as the machine it is installed.

Warranty service

If required, IBM provides repair or exchange service depending on the types of warranty service specified for the machine. IBM will attempt to resolve your problem over the telephone, or electronically via an IBM website. Certain machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines on-site service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts. If applicable to your product, parts considered Customer Replaceable Units (CRUs) will be provided as part of the machine's standard warranty service.

Service levels are response-time objectives and are not guaranteed. The specified level of warranty service may not be available in all worldwide locations. Additional charges may apply outside the normal IBM service area. Contact your local IBM representative or your reseller for country-specific and location-specific information.

CRU Service

IBM provides replacement CRUs to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM upon your request. CRUs are designated as being either a Tier 1 (mandatory) or a Tier 2 (optional) CRU.

Tier 1 (mandatory) CRU

Installation of Tier 1 CRUs, as specified in this announcement, is your responsibility. If IBM installs a Tier 1 CRU at your request, you will be charged for the installation.

Tier 2 (optional) CRU

You may install a Tier 2 CRU yourself or request IBM to install it, at no additional charge.

Based upon availability, CRUs will be shipped for next-business day (NBD) delivery. IBM specifies, in the materials shipped with a replacement CRU, whether a defective CRU must be returned to IBM. When return is required, return instructions and a container are shipped with the replacement CRU. You may be charged for the

replacement CRU if IBM does not receive the defective CRU within 15 days of your receipt of the replacement.

The following parts have been designated as Tier 1 CRUs:

- Hard disk drive
- Fan
- Ethernet modules
- Power cord
- Power supply
- Network modules
- Rack mounting kit

CRU and On-site Service

At IBM's discretion, you will receive specified CRU service, or IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose.

Service level is:

- Warranty - Nine hours per day, Monday through Friday, excluding holidays, next business day response. Calls must be received by 5 pm local time in order to qualify for next business day response.

Warranty service

IBM is now shipping machines with selected non-IBM parts that contain an IBM field replaceable unit (FRU) part number label. These parts are to be serviced during the IBM machine warranty period. IBM is covering the service on these selected non-IBM parts as an accommodation to their customers, and normal warranty service procedures for the IBM machine apply.

Warranty service upgrades

During the warranty period, warranty service upgrades provide an enhanced level of On-site Service for an additional charge. Service levels are response-time objectives and are not guaranteed. See the Warranty services section for additional details.

IBM will attempt to resolve your problem over the telephone or electronically by access to an IBM website. Certain machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines on-site service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts.

Maintenance service options

CRU and On-site Service

At IBM's discretion you will receive CRU service or IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose. The following on-site response-time objectives are available as warranty service upgrades for your machine. Available offerings are:

- Nine hours per day, Monday through Friday, excluding holidays, 4 hour average, next business day response
- Twenty-four hours per day, 7 days a week, 4-hour average response, next day

Customer Replaceable Units (CRUs) may be provided as part of the machine's standard warranty CRU Service except that you may install a CRU yourself or request IBM installation, at no additional charge, under the CRU and On-site Service level specified above. For additional information on the CRU Service, see the warranty information.

Maintenance services

If required, IBM provides repair or exchange service depending on the types of maintenance service specified for the machine. IBM will attempt to resolve your problem over the telephone or electronically, via an IBM website. Certain machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines on-site service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts.

Service levels are response-time objectives and are not guaranteed. The specified level of maintenance service may not be available in all worldwide locations. Additional charges may apply outside the normal IBM service area. Contact your local IBM representative or your reseller for country-specific and location-specific information. The following service selections are available as maintenance options for your machine type.

On-site Service

IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose.

Service levels are:

- Nine hours per day, Monday through Friday, excluding holidays, NBD response
- Twenty-four hours per day, 7 days a week, 4-hour average response, same day

Customer Replaceable Unit (CRU) Service

If your problem can be resolved with a CRU (for example, keyboard, mouse, speaker, memory, or hard disk drive), and depending upon the maintenance service offerings in your geography, IBM will ship the replacement CRU to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM upon your request.

Based upon availability, CRUs will be shipped for NBD delivery. IBM specifies, in the materials shipped with a replacement CRU, whether a defective CRU must be returned to IBM. When return is required, 1) return instructions and a container are shipped with the replacement CRU, and 2) you may be charged for the replacement CRU if IBM does not receive the defective CRU within 15 days of your receipt of the replacement.

CRUs may be provided as part of the machine's standard maintenance service except that you may install a CRU yourself or request IBM installation, at no additional charge, under the type of maintenance service designated for your machine.

CRU and Customer Carry-In or Mail-In Service

At the discretion of IBM, you will receive CRU service or you will deliver or mail, as IBM specifies (prepaid, unless IBM specifies otherwise) the failing machine suitably packaged to a location IBM designates. After IBM has repaired or exchanged the machine, IBM will make it available for your collection or, for mail-in service, IBM will return it to you at IBM's expense, unless IBM specifies otherwise. You are responsible for the subsequent installation and verification of the machine.

CRU and Machine Exchange Service

At IBM's discretion you will receive CRU service or IBM will initiate shipment of a replacement machine to your location. You are responsible for its installation and verification of operation. You must pack the failed machine into the shipping container that contained the replacement machine and return the failed machine to IBM. Transportation charges, both ways, are paid by IBM. You may be charged for the replacement machine if IBM does not receive the failed machine within 15 days of your receipt of the replacement.

Non-IBM parts service

Under certain conditions, IBM provides services for selected non-IBM parts at no additional charge for machines that are covered under warranty service upgrades or maintenance services.

This service includes hardware problem determination (PD) on the non-IBM parts (for example, adapter cards, PCMCIA cards, disk drives, memory) installed within IBM machines and provides the labor to replace the failing parts at no additional charge.

If IBM has a Technical Service Agreement with the manufacturer of the failing part, or if the failing part is an accommodations part (a part with an IBM FRU label), IBM may also source and replace the failing part at no additional charge. For all other non-IBM parts, customers are responsible for sourcing the parts. Installation labor is provided at no additional charge, if the machine is covered under a warranty service upgrade or a maintenance service.

Warranty service upgrades

Usage plan machine

No

IBM hourly service rate classification

Not applicable

When a type of service involves the exchange of a machine part, the replacement may not be new, but will be in good working order.

Field-installable features

No

Model conversions

No

Machine installation

Customer setup. Customers are responsible for installation according to the instructions IBM provides with the machine.

Graduated program license charges apply

No

Licensed internal code and licensed machine code

This product does not contain licensed internal code or licensed machine code.

Separately licensed code

The product specified below includes code that is separately licensed.

Machine using separately licensed code: 7198-8FX

Separately licensed code is licensed for use by a customer on the IBM machine for which it was provided under the terms and conditions of the license agreement provided with the code, to enable the machine to function in accordance with its specifications, and only for the associated capacity or capability authorized by IBM and acquired by the customer.

Refer to Software Announcement 211-405, dated August 30, 2011.

Educational allowance

Not applicable

Pricing

For additional information and current prices, contact your local IBM representative.

Product charges

With each WebSphere DataPower Appliance 7198 acquired, IBM includes one year of appliance support consisting of 9 hours per day, Monday through Friday, excluding holidays, NBD response. The initial period of maintenance can be upgraded by the purchase of warranty service upgrade or extended by the purchase of a renewal option, if available.

Description	Machine type	Model
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

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, C13 to AS/NZ 3112 (Australia/NZ)	7198	8FX	6211
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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/25V, C13 to CNS 10917-3 (Taiwan)	7198	8FX	6386

Feature Install Summary

Machine Type	Feature number	Field install only	Plant install only	MES removal charge	MES add charge	Cables required	CSU
7198	8101	N	Y	N	N	N	Y
7198	8102	N	Y	N	N	N	Y
7198	8013	N	Y	N	N	N	Y
7198	8014	N	Y	N	N	N	Y
7198	6799	N	Y	N	N	N	Y
7198	6210	N	Y	N	N	N	Y
7198	6211	N	Y	N	N	N	Y
7198	6212	N	Y	N	N	N	Y
7198	6213	N	Y	N	N	N	Y
7198	6214	N	Y	N	N	N	Y
7198	6215	N	Y	N	N	N	Y
7198	6216	N	Y	N	N	N	Y
7198	6217	N	Y	N	N	N	Y
7198	6218	N	Y	N	N	N	Y
7198	6219	N	Y	N	N	N	Y
7198	6222	N	Y	N	N	N	Y
7198	6223	N	Y	N	N	N	Y
7198	6269	N	Y	N	N	N	Y
7198	6313	N	Y	N	N	N	Y
7198	6314	N	Y	N	N	N	Y
7198	6386	N	Y	N	N	N	Y

** If field installed on a purchased machine, parts removed or replaced become the property of IBM and must be returned.

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