

iWay

iWay Java Adapter for Mainframe Release Notes

Version 5.1 Service Pack 1

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Preface

This documentation provides the latest release information about the iWay Java Adapter for Mainframe (iWay JAM) 5.1 SP1.

How This Manual Is Organized

The following table lists the titles and numbers of the chapters and the appendix for this manual with a brief description of the contents of each chapter or appendix.

Chapter		Contents
1	iWay Java Adapter for Mainframe 5.1 SP1 Release Notes	Provides the latest release information about the iWay JAM 5.1 SP1 product.

Documentation Conventions

The following table lists and describes the conventions that apply throughout this manual.

Convention	Description
<code>THIS TYPEFACE</code> or <code>this typeface</code>	Denotes syntax that you must enter exactly as shown.
<code>this typeface</code>	Represents a placeholder (or variable) in syntax for a value that you or the system must supply.
<u><code>underscore</code></u>	Indicates a default setting.
<i>this typeface</i>	Represents a placeholder (or variable) in a text paragraph, a cross-reference, or an important term.
this typeface	Highlights a file name or command in a text paragraph that must be lowercase.
<i>this typeface</i>	Indicates a button, menu item, or dialog box option you can click or select.
Key + Key	Indicates keys that you must press simultaneously.
{ }	Indicates two or three choices; type one of them, not the braces.
	Separates mutually exclusive choices in syntax. Type one of them, not the symbol.
...	Indicates that you can enter a parameter multiple times. Type only the parameter, not the ellipsis points (...).
.	Indicates that there are (or could be) intervening or additional commands.

Customer Support

Do you have questions about the iWay Java Adapter for Mainframe?

If you bought the product from a vendor other than iWay Software, contact your distributor.

If you bought the product directly from iWay Software, call Information Builders Customer Support Service (CSS) at (800) 736-6130 or (212) 736-6130. Customer Support Consultants are available Monday through Friday between 8:00 a.m. and 8:00 p.m. EST to address all

your iWay Java Adapter for Mainframe questions. iWay Software consultants can also give you general guidance regarding product capabilities and documentation. Please be ready to provide your six-digit site code number (xxxx.xx) when you call.

You can also access support services electronically, 24 hours a day, with InfoResponse Online. InfoResponse Online is accessible through our World Wide Web site, <http://www.iwaysoftware.com>. It connects you to the tracking system and known-problem database at the iWay Software support center. Registered users can open, update, and view the status of cases in the tracking system and read descriptions of reported software issues. New users can register immediately for this service. The technical support section of www.iwaysoftware.com also provides usage techniques, diagnostic tips, and answers to frequently asked questions.

To learn about the full range of available support services, ask your iWay Software representative about InfoResponse Online, or call (800) 969-INFO.

Help Us to Serve You Better

To help our consultants answer your questions effectively, please be prepared to provide specifications and sample files and to answer questions about errors and problems.

The following tables list the specifications our consultants require.

WebLogic Server Platform Operating System and Operating System Version	
WebLogic Server Version and Service Pack / special patch	
iWay JAM CRM Platform Operating System	
CICS or IMS Operating System and Operating System Version	
CICS or IMS Version Information	
Third party SNA stack product and version	

The following table lists components. Specify the version in the column provided.

Component	
iWay JAM Gateway Build / Fix Level	
iWay JAM CRM Build / Fix Level	
Pre-existing eGen Application Compiles? Specify Yes or No.	

In the following table, specify the JVM version and vendor in the columns provided.

Version	Vendor

The following table lists additional questions to help us serve you better.

Request/Question	Error/Problem Details or Information
Provide usage scenarios or summarize the application that produces the problem.	
Did this happen previously?	
Is this configuration working on any other system?	
Can you reproduce this problem consistently?	

Request/Question	Error/Problem Details or Information
Any change in the application environment including: • Migrating to a new WebLogic Server service pack or version. • Installing a new operating system on WebLogic Server side or CRM component side. • Migrating to a new CICS or IMS region, version, or operating system.	
Under what circumstance does the problem <i>not</i> occur?	
Describe the steps to reproduce the problem.	
Describe the problem .	
Specify the error message(s).	

The following table lists error/problem files that might be applicable.

Error/Problem Files	Error/Problem File Detail or Information
WebLogic Server Application logs or error messages	
CICS or IMS application logs or error messages	
WebLogic Server configuration file	
iWay JAM configuration file	
Third party stack SNA configuration	
VTAM Logical Unit definitions	
iWay JAM CRM startup script and script messages	
iWay JAM CRM JCL and JOB information (JESMSG LG, JESJCL, JEYSMSG)	
iWay JAM gateway trace diagnostics	
iWay JAM CRM trace diagnostics	
APPC trace files	

Collecting iWay JAM Diagnostics

If you are requested to collect additional iWay JAM diagnostic files, see the Diagnostics section in the *iWay Java Adapter for Mainframe Programming Guide*.

iWay JAM runtime traces are sent to the WebLogic log as "Debug" messages. Debug messages are written to each WebLogic Server's log file but are not sent to the administration server. In addition, these messages are only sent to the server's `stdout` if the server's configuration has both the *Log to Stdout* and *Debug to Stdout* options selected on the server's Logging/General page.

For instructions on accessing Gateway tracing options, see the *iWay Java Adapter for Mainframe Configuration and Administration Guide*.

User Feedback

In an effort to produce effective documentation, the Documentation Services staff welcomes your opinions regarding this manual. Please use the Reader Comments form at the end of this manual to communicate suggestions for improving this publication or to alert us to corrections. You also can go to our Web site, <http://www.iwaysoftware.com> and use the Documentation Feedback form.

Thank you, in advance, for your comments.

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Interested in training? Our Education Department offers a wide variety of training courses for iWay Software and other Information Builders products.

For information on course descriptions, locations, and dates, or to register for classes, visit our World Wide Web site, <http://www.iwaysoftware.com> or call (800) 969-INFO to speak to an Education Representative.

Interested in technical assistance for your implementation? Our Professional Services department provides expert design, systems architecture, implementation, and project management services for all your business integration projects. For information, visit our World Wide Web site, <http://www.iwaysoftware.com>.

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CHAPTER 1

iWay Java Adapter for Mainframe 5.1 SP1 Release Notes

Topics:

- About iWay Java Adapter for Mainframe
- Software Prerequisites
- Installation Files
- Supported Platforms for iWay JAM Components
- Miscellaneous Issues
- Contacting iWay Customer Support

This document provides the latest release information about the iWay Java Adapter for Mainframe 5.1 SP1 product, hereafter referred to as iWay JAM.

Note: The iWay 5.1 SP1 build version is 5.1.2.

About iWay Java Adapter for Mainframe

iWay JAM is a set of software components that provide seamless bidirectional interactions between Java applications running on a WebLogic Server platform and either Customer Information Control System (CICS) applications or Information Management System (IMS) applications running on a mainframe. With CICS, the Java application request/response operations interact using Distributed Program Links (DPLs). With IMS, the Java application request/response operations interact using implicit Application Program-to-Program Communication (APPC) support.

The iWay JAM software components include the following:

- Gateway
- CRM

The JAM Gateway and CRM are run-time components that provide the bidirectional interaction. The eGen Application Generator is a development tool that is used for application development and data transformation from existing mainframe applications. The JAM Console provides an easy to use interface to administer and configure the connectivity between application servers via the JAM product.

Product Packaging

The box containing the iWay Java Adapter for Mainframe product includes one CD-ROM with the iWay Java Adapter for Mainframe product software and documentation.

Key Changes in iWay JAM 5.1 SP1

Accessibility

iWay JAM 5.1 SP1 includes separate distributions for WebLogic 9.2 and WebLogic 8.1 and the iWay JAM console is accessed differently.

On WebLogic 9.2, the iWay JAM Console is now deployed as a standalone Web application, which is accessed by a URL.

On WebLogic 8.1 the iWay JAM Console is still integrated within the WebLogic Administration Console.

New Sample Programs

The following new sample programs are included with iWay JAM 5.1 SP1:

- Transactional Sample IMS to WebLogic Server
Demonstrates a synchronous call through iWay JAM from IMS to an EJB running in WebLogic Server.

- Transactional Batch MVS COBOL Client to WebLogic EJB Sample

Demonstrates the capability of iWay JAM to invoke the services of an Enterprise JavaBean (EJB) within the scope of a transaction.

For more information, see the *iWay Java Adapter for Mainframe Samples Guide*.

iWay JAM Administration and Change Management

WebLogic Server Version 9 introduces Change Management control to the Administration Console. This enables a set of configuration changes to be rolled forward as a unit or rolled back. The modification of resources configurable by the iWay JAM Console does not participate in Change Management control. However, there is an operating restriction that relates Change Management and JAM. While changes are pending in a domain, iWay JAM cannot initialize or modify its configurable components (JMX Mbeans).

More specifically:

- If a domain is started with pending changes (normally not the case), the iWay JAM startup class cannot complete its initialization until the pending changes are activated or rolled back.
- If iWay JAM is active in a domain, any attempts to modify an iWay JAM resource via the iWay JAM Administration Console will hang until the pending changes are activated or rolled back.

Software Prerequisites

The following table lists the WebLogic Server versions supported for iWay JAM 5.1 SP1.

WebLogic Server Versions
WebLogic Server 8.1 with Service Pack 2 (SP2)
WebLogic Server 8.1 with Service Pack 3 (SP3)
WebLogic Server 8.1 with Service Pack 4 (SP4)
WebLogic Server 8.1 with Service Pack 5 (SP5)
WebLogic Server 9.2

Installation Files

iWay JAM 5.1 SP1 ships with Windows and UNIX installation files for WebLogic Version 8.1 and 9.2 environments. The following section lists and describe the installation sets that are provided:

- On Microsoft Windows platforms, a graphical InstallShield Wizard is used. The following executables are provided:

bwl8jam_vtam_win32.exe - Installer for the Windows platform when using WebLogic Server 8.1. It installs a .zip file containing the CRM component to be installed on the mainframe.

bwl9jam_vtam_win32.exe - Installer for the Windows platform when using WebLogic Server 9.2. It installs a .zip file containing the CRM component to be installed on the mainframe.

- On UNIX platforms, the installation is accomplished with the InstallShield Wizard, using either a graphical interface or a console (text mode) interface.

The following installation files are applicable to **WebLogic Server 8.1** environments:

- **bwl8jam_vtam_hpux11.bin** - Installer for HP-UX 11.
- **bwl8jam_vtam_solaris.bin** - Installer for the Solaris 8 and 9 SPARC chipset. It installs a .tar file with the CRM component to be installed on the mainframe.
- **bwl8jam_vtam_solarisx86.bin** - Installer for the solaris 9 Intel chipset. It installs a .tar file with the CRM component to be installed on the mainframe.
- **bwl8jam_dcl_solaris.bin** - Installer for the Solaris 8 and 9 SPARC chipset. It installs the CRM for the DCL stack.

The following installation files are applicable to **WebLogic Server 9.2** environments:

- **bwl9jam_vtam_hpux11.bin** - Installer for HP-UX 11.
- **bwl9jam_vtam_solaris.bin** - Installer for the Solaris 8 and 9 SPARC chipset. It installs a .tar file with the CRM component to be installed on the mainframe.
- **bwl9jam_vtam_solarisx86.bin** - Installer for the solaris 9 Intel chipset. It installs a .tar file with the CRM component to be installed on the mainframe.
- **bwl9jam_dcl_solaris.bin** - Installer for the Solaris 8 and 9 SPARC chipset. It installs the CRM for the DCL stack.

Supported Platforms for iWay JAM Components

The following sections list the supported platforms for each of the iWay JAM components.

Supported Platforms for the iWay JAM Gateway

The following table lists the supported platforms for the iWay JAM Gateway.

Platform
HP-UX 11.00
Microsoft Windows 2000 Server
Microsoft Windows 2000 Advanced Server
Microsoft Windows 2003
Sun Solaris 8 on SPARC
Sun Solaris 9 on SPARC
Sun Solaris 9 on x86

Supported Platforms and Required Stacks for the iWay JAM CRM

The following table lists the supported platforms and required stacks for the iWay JAM CRM.

Platform	Stack
Sun Solaris 8 on SPARC	DCL 7.0.2.2
Sun Solaris 9 on SPARC	DCL 7.0.2.2
z/OS V1R4.0	z/OS V1R4.0 Communication Server
z/OS V1R4.0 UNIX System Services	z/OS V1R4.0 Communication Server
z/OS V1R5.0	z/OS V1R5.0 Communication Server
z/OS V1R5.0 UNIX System Services	z/OS V1R5.0 Communication Server
z/OS V1R6.0	z/OS V1R6.0 Communication Server
z/OS V1R6.0 UNIX System Services	z/OS V1R6.0 Communication Server

Supported CICS Business Applications

The following table lists the supported CICS versions.

Product	Version
CICS Transaction Server	1.3
CICS Transaction Server	2.2
CICS Transaction Server	2.3
CICS Transaction Server	3.1 Note: Extended COMMAREA data sizes using containers and channels are not supported.

Supported IMS Business Applications

The following table lists the supported IMS versions.

Product	Version
IMS	7.0
IMS	8.1
IMS	9.1

Miscellaneous Issues

This section provides information about known limitations and fixed problems in the current release of iWay JAM.

Known Limitations

This section describes limitations in the current iWay Java Adapter for Mainframe release and includes possible workarounds, where applicable.

Please contact your iWay Technical Support for assistance in tracking any unresolved problems. For contact information, see *Contacting iWay Customer Support* on page 1-8.

1	BEA Support Case # 129439	Local Context Lookup and Call for Local Serverruntime Bean Failure
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	Problem	When using WebLogic Server 8.1 SP2, the local context lookup and call for local serverruntime bean fails. The following message displays when trying to load the JAM configuration file. <pre> <May 23, 2005 9:29:33 AM EDT> <Notice> <JAM Management> <000000> <Loading configuration file ./ jamconfig.xml ...> javax.management.InstanceNotFoundException: verifyserver at weblogic.management.internal.AdminMBeanHomeImpl.get MBean(AdminMBeanHomeImpl. at com.iwaysoftware.jam.cluster.DeployedGatewayImpl.ge tAdminId(Unknown Source) at com.iwaysoftware.jam.cluster.DeployedGatewayImpl.<i nit>(Unknown Source) at </pre>
	Platform	All.
	Workaround	If you are using WebLogic Server 8.1 SP2, you must request a fix from BEA to run the iWay Java Adapter for Mainframe (BEA Support Case #129439). The fix provided by BEA must be added to your WebLogic startup CLASSPATH and must be verified in the WebLogic Server log.

Important Differences For Running Your CRM on Solaris With the DCL SNAP-IX Products

There are a couple of considerations for running your CRM with the DCL SNAP-X product. These differ from the options provided when running your CRM on your mainframe, using the VTAM product.

- The CRM for DCL SNAP-IX is not persistent. When it loses its Gateway, it goes down and needs to be restored.
- The multiple Gateway to a single CRM feature is not supported with the Solaris CRM running with DCL SNAP-IX.

Contacting iWay Customer Support

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You can also access support services electronically, 24 hours a day, with InfoResponse Online. InfoResponse Online is accessible through our World Wide Web site, <http://www.informationbuilders.com>. It connects you to the tracking system and known-problem database at the Information Builders support center. Registered users can open, update, and view the status of cases in the tracking system and read descriptions of reported software issues. New users can register immediately for this service. The technical support section of www.informationbuilders.com also provides usage techniques, diagnostic tips, and answers to frequently asked questions.

To learn about the full range of available support services, ask your Information Builders representative about InfoResponse Online, or call (800) 969-INFO.

When contacting Customer Support, be prepared to provide the following information:

- Your name, e-mail address, phone number, and fax number
- Your company name and company address
- Your machine type and authorization codes
- The name and version of the product you are using
- A description of the problem and the content of pertinent error messages

Reader Comments

In an ongoing effort to produce effective documentation, the Documentation Services staff at Information Builders welcomes any opinion you can offer regarding this manual.

Please use this form to relay suggestions for improving this publication or to alert us to corrections. Identify specific pages where applicable. You can contact us through the following methods:

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