

iWay

iWay Release Notes

Version 8.0.4 Service Manager (SM)

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iWay Version 8 Service Pack 4 (8.0.4) Integration Release

This document provides release information for iWay version 8 Service Pack 4 (8.0.4). It is intended for all levels of users, including system integrators, application developers, and administrators. For more information on specific features, refer to the online documentation.

In this chapter:

- ☐ [iWay Service Manager](#)
 - ☐ [Installation Notes](#)
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iWay Service Manager

iWay Service Manager (iSM) is an integration server that ensures rapid access to timely, accurate data across all systems, processes and stakeholders – with unmatched interoperability between disparate systems and data. With iSM, all aspects of your existing infrastructure – every integration, application, and development platform – work in concert with modernized architectures to rapidly develop new business applications, and create powerful, reusable business services from existing applications. This support for modern architectures ensures a highly optimized development environment and rapid creation of internally and externally consumable services.

iSM offers end-to-end integration of the widest variety of sources, including real-time, batch, streaming, big data, structured and unstructured information, cloud-based sources, social network, and machine-generated data.

Installation Notes

This section provides installation notes for iWay 8.0.

- ❑ Major releases of iWay version 8.0 and any service pack releases require Oracle Java version 8 as the minimum run-time environment. The recommended release is Java 1.8 build 152. Java versions 9 and 10 are not supported at this time.
- ❑ Major releases of iWay version 8.0 and any service pack releases require Java Cryptography Extension (JCE) Unlimited Strength Jurisdiction Policy Files, which can be obtained from the Oracle Java download.
- ❑ iWay version 8.0 can be installed on the same environment where previous versions of iWay Service Manager (6.x and 7.x) have been installed. You must follow the proper procedure to migrate an application from a previous version to iWay version 8.0. iWay version 8.0 cannot be overlaid on top of an older version, and must be installed in parallel into an empty location (directory) on the file system.
- ❑ iWay version 8.0 includes online documentation, which is located on the iWay Information Center and can be accessed using the following URL:
<http://iwayinfocenter.informationbuilders.com/technical-library.html>
- ❑ iWay version 8.0 does not provide a 32-bit installation, only a 64-bit installation is supported. The installation requires administrative rights for installation and runtime purposes. iWay version 8.0 requires full access to the sub-directories of its installation. As a result, ensure that the end-user has full access rights.
- ❑ On Windows platforms, a deployed iWay Integration Application (iIA) will create its own corresponding Windows service. This Windows service is not recreated with each iIA deployment and will retain its properties.
- ❑ The release level of iSM must match the release level of iIT. For example, if you upgrade iIT, then you must upgrade iSM to the corresponding version. iWay 8 releases no longer facilitate the use of core services, which were present in the iWay 7 framework. This is due to simplification and to ensure that the user always has matching design time and runtime environments to get the benefits of new features.

Migration

iWay version 8.0 allows you to migrate iWay Integration Applications (iIAs) that were developed in iWay 7.x environments to an iWay 8 environment. When discussing migration, it is important to distinguish between *runtime* and *design time*, as described further in this section.

Runtime

If you are not planning to make any modifications to an existing iIA, then you can simply export this iIA from your iWay 7.x runtime environment using the iSM Administration Console. You can then import the iIA into your iWay 8 runtime environment using the iSM Administration Console. This enables you to import the iIA and the corresponding deployment template. You can then deploy the iIA. The iIA will continue to run the same in your iWay 8 environment as it did in your iWay 7.x environment.

Design Time

If you need to update an existing iIA for maintenance or review, you can do so using iWay Integration Tools (iIT). Export the corresponding Integration Project from iWay 7.x to the file system or source management repository. You can then import or check-out the Integration Project into the iIT workspace of your iWay 8 environment. When the Integration Project is imported, the components will be automatically converted into iWay 8 format. Since objects have changed between iWay 7.x and iWay 8, the best attempt has been made to convert the objects accordingly. However, you may notice that some of the iWay 7.x objects show up as Service nodes in the iWay 8 process flows. However, aside from the visuals, the migrated Integration Project is fully functional. You can then build and deploy your iIA as required.

It is recommended that you review any iIAs developed using iWay 7.x to determine if the design is utilizing all of the latest features available in later releases. It is very common to discover that some parts of the iIA (even though it will continue to function as is), might benefit from a simplification as part of the update, instead of a direct migration.

Deprecated Components

This section provides a summary of deprecated components in iWay 8.

- ❑ MQSI components have been removed from the product and are no longer supported. If you have a requirement for continuing support for this and related components, please contact iWay Customer Support.
- ❑ SOAP over JMS/MQ has been removed from the product and is no longer supported. For alternative approaches, you may use a direct connection to the JMS/MQ components for data processing.
- ❑ WAR-based deployment has been deprecated. The ability to create WAR packages has been removed from the iSM Administration Console. You can build iSM WAR packages using the iWay Software Development Kit (SDK). If you require WAR-based deployment support, please provide your use case to iWay Customer Support.
- ❑ The Log Event Adapter for Microsoft SQL Server has been deprecated.

- ❑ The Emitter object has been deprecated in iWay Integration Tools (iIT). Emitters can be used as part of the channel itself. If you have a use case for accessing Emitters in process flows, open a case with iWay Customer Support and provide full details.
- ❑ The following product components have been deprecated and removed from distribution. There are alternatives approaches for achieving the required functionality or the components are deemed no longer viable.
 - ❑ Corba
 - ❑ Fix
 - ❑ Clarify
 - ❑ Tuxedo
 - ❑ BEA JDBC
 - ❑ BEA PS
 - ❑ IBO
 - ❑ Validation (an older implementation of the QA Service)
 - ❑ CS3
 - ❑ Lawson Preparser
 - ❑ Manugistics Preparser
 - ❑ CDF/CSV (an updated version is available for flat file processing)

Resolved Issues

This section provides a reference to the resolved customer cases in iWay version 8.0.4, iWay version 8.0.3, iWay version 8.0.2, iWay Integration Tools (iIT) 8.0.1 Update 1, iWay version 8.0.1, and iWay version 8.0.

iWay Version 8.0.4

This section provides a reference to the resolved customer cases in iWay version 8.0.4.

IRN Number	Summary
171130070	SOAP Channel - Secure SOAP port does not display licenses at SOAP page root.
181210013	SFTP Block gives out error.
190124049	iWay ETL Agent for Data Migrator exposes the password in clear text in the logs.
190325089	Performance issue with iWay running XSLT transforms using the Saxon engine.
190629001	Getting Kafka warning messages in iIT every time a Pflow is compiled and run.
190821082	RabbitMQ Listener works properly in 802...not in 803.
191030097	Exception in sftp when listing a very large directory.
191202110	Samba Dir Listing Agent exposes password in clear text in XML response.
191219052	XDSFTPEmitAgent causes NPE, also fails when Emit Zero Bytes is false.
200212086	File size does not match error when using SFTP listener against GXS server.
190507134	SFTP object in process failed.
190812040	XDSFTPDirectFileTransfer agent hangs, the channel timeout expires, the flow is canceled, but the thread remains blocked.
190927099	XSLT Transform Output encoding is broken when Flat is used.

IRN Number	Summary
190612137	Error opening existing 7.x.x application - Class "IWAY" is not found or is abstract.
190514020	HTTP listener allows GET http method through when listener is configured for Error.

iWay Version 8.0.3

This section provides a reference to the resolved customer cases in iWay version 8.0.3.

IRN Number	Summary
180924016	Unable to import a JSON schema in iWay 8.
180919119	Listener based on an SQL query is limited to a single line in the Query field.
180827100	iWay SDK: BUILDAPP should create required ITA files from iwtemplate files.
180520004	Transformer Group Aggregation Error.
180321055	BUG: Transform sorting removes segment level.
171102038	NFR: Default value for the Replace function in Transformer.
190220106*	OEI custom version of the 310 EDI does not calculate SE01 count.
190129100	X12 IEA control number is left justified.
181204027	CSV parser does not correctly escape column separators within the quoted column value.
181120043	SWIFT MT541/543 inbound types are failing in PROD.

IRN Number	Summary
181016113	Controls Listeners Service (com.ibi.agents.XDControlAgent) does not find listeners using a wildcard suffix as indicated by the <i>Listener(s)</i> parameter.
181002093	The <code>_if()</code> function (Obtain Value Conditionally) returns unexpected false results when the condition evaluates as true.
180427038	SFTP: Intermittent error with two different SFTP servers. JSch: Invalid encoding for signature.
180823038	Users with an Active Directory (AD) account can access the base configuration in read-only mode without monitoring rights.
180716012	New feature request to allow support for data providers in database listeners.
180525082	Envoy must be SSL-enabled.
180606084*	Add name for managed server to the SNMP output.
180118050*	Centralize SNMP monitoring per iSM instance, not per managed server (master agent).

Note: Cases denoted by an asterisk (*) indicate that the case was resolved outside of programming by changes to the existing configuration or providing additional instructions.

iWay Version 8.0.2

This section provides a reference to the resolved customer cases in iWay version 8.0.2.

IRN Number	Summary
23363529	iWay BAM console does not show transactions (with SQL Server).
171108066	XDSFTPEmitAgent: Need MFT feature as in XDNFTPEmitAgent.
180117068	The iwsystray.exe file needs to be signed, which currently prompts for User Account Control in Windows.
171208047	How do you disable the external entity expansion feature in the server's XML parser?
180302065	Since switching from TDS LDAP to AD, Magnify iWay process flows are generating HTTP errors.
180309008	How do you convert time on the server by time zone?
180215073	Base - SOAP channel - must use the <i>blue</i> console, can't restart secure SOAP channel.
180405031	nAS2 Listener Async MDN Dispatch Support for Basic Authentication.
180405030	nAS2 Emit Agent Support for AES-256 Encryption Algorithm.
180410069	RVI Gateway listener special register button does not return register names.
180313052	XML to JSON conversion needs to add an array.

IRN Number	Summary
180411032	PGP Decrypt Preparser is sending error documents through the process flow.
180327040	MQ fails to connect to MQ using SSL.
180510052	NFR MQ Emit object password validation.
180308030	MQ Emitter in Iterator holding connection to queues until process is complete.
180509074	Failover iSM server instance continues to process redundantly after re-syncing with the primary iSM server instance.
180511066	SFTP Direct File Transfer - Timeout?
180607050	The XDNIHttpEmitAgent fails to parse a text/XML response that is valid XML. Other tools work fine.
180514024	Deployment errors continue to occur (blocked or exception exploding).
180614031	Does iWay version 7.0.6 support Excel 2013 (.xlsx) files?
180619004	File Agent fails to report an error (it does on the log) when failing to rename the <i>iwaytemp</i> file.
180801063	SWIFT 2018: MT564 E2 22F bad rule.
180823031	HIPAA 999 acknowledgement file fails on error in NM1 segments.
171020012	Transformation Execution Output Differences iIT Test vs. Runtime
180205051	SSH Provider in Deployment Template Builder has old options for SSH Factories.

IRN Number	Summary
180507081	iIT 8.0 property description formatting is displayed incorrectly
180510034	The MQ Emit agent in iIT is prompting for a password even though authentication is set to <i>false</i> .
180511018	RDBMS adapter does not support data source.
180530056	Process flows from a 7.0.7 project imported into 8.0.1 fail to compile.
180530056	iIT 8.0.1 - Exception - Cannot locate compiled version of process flow.
180613020	iWay 8 API endpoint containing a Join object generates an error.
180713031	Unable to open process flows in iIT version 8 (when migrated from iWay version 6.1).

iWay Integration Tools 8.0.1 Update 1 (8.0.1.R20180719-1955)

This section provides a reference to the resolved customer cases in iWay Integration Tools (iIT) 8.0.1 Update 1 (8.0.1.R20180719-1955).

IRN Number	Summary
IIT-550 / 180530056	Process flows from a 7.0.7 project imported into 8.0.1 fail to compile.
IIT-539	The required MQ password field setting is not honored.
IIT-532	Wrong encoding in process flow.

IRN Number	Summary
IIT-565 / IDEV-38	Add the ability to drag and drop an adapter from the Integration Explorer tab to the Process Flow Designer.
IIT-556 / 180604074	Upgrading IIT from version 7 to version 8.0.1.
IDEV-37	Annotations in process flows created in version 7.0.6 are not being migrated to version 8.0.1.

iWay Version 8.0.1

This section provides a reference to the resolved customer cases in iWay version 8.0.1.

IRN Number	Summary
180308030	JMS Emitter in Iterator holds connection to queues until a process is complete
180302042	NPE when trying to SSL, enable the iSM application
180221062	First element derived from inbound CSV is being corrupted
180201043	com.ibi.nftp.client.XDFTPSCClient cannot be cast to com.ibi.nftp.client.XDFTPClient
180221026	What is the highest version of MQ supported by iSM 6.1.5?
180226066	Data field beginning with an unmatched apostrophe corrupts data
180223037	_length function generates an exception on missing SREG

IRN Number	Summary
180215016	iSM 8: Using _sreg parameters as query-parameters for the REST service
180216022	iFL call generates an exception during startup
180125046	BAM Driver generates the following error: "Error in transaction, while inserting into sreg and channel info table"
171214056	Security Provider defined for JKS KeyStore does not work when connecting to MQ using JMS
171205055	SAP listener fails on receipt of document from SAP: com.sap.conn.jco.AbapException
171208052	XDXQueryAgent does not output TREE trace in the iSM log
171218066	LDAP NFR/Change to Support SOX External Audit Compliance
171107077	iSM 7.0.7 FTP cache does not connect to FileZilla server 0.9.60.2 when minimum TLS version is set to 2
171130071	iLA with two SOAP listeners: One seems to be the "primary". The second listener does not work if the first listener is stopped.
171127064	LDAP Directory Provider does not support StartTLS
171115094	Secure SOAP channel does not create WSDL?
171108068	XDSFTPDirectFileTransfer missing Put File Protection: Please add

IRN Number	Summary
171110045	Creating a Secure Shell Provider requires an Authentication Realm to be created in the base configuration
171114032	Passing parameters from a channel to shutdown a process flow
171108034	NFR - Force a template to use the master user ID / password if not supplied in the template
171102032	JMS Emitter dropping the message in base64 format
171005039	How do I save an FTP transaction log within a process flow?
170802087	LDAP - Is there any way to add a user to an existing Active Directory group using the LDAP adapter?
170519046	NFR: LDAP password management (second part of COTY case)
170419047	MQ Emitter for Clustered Queues
170621090	BAM resubmit functionality: Queue not defined
161111050	BAM Correlation History query taking a lot of database resources
120153539	BAM errors when numerous User Defined columns exist
180327040	MQ Listener using SSL fails to connect to MQ after Application deployment from iIT.
180215026	Changing Content-type header does not update on second request

IRN Number	Summary
180207073	iIT 8: Cannot copy pre-execution / post-execution items between objects
171110048	Command console display issues in the iSM Administration Console

iWay Version 8.0

This section provides a reference to the resolved customer cases in iWay version 8.0. Some of the cases listed in the following table have also been patched to the iWay version 7.x level and have been provided as updates in iWay version 7.0.7 and higher. These resolved issues are also included in any upcoming service pack releases.

IRN Number	Summary
170322037	IPv6 addresses don't work with BAM
170920062	Secure iWay Administration Console
171017020	Need assistance determining connection setup for a BI execution object
171110017	Unable to execute the same web service twice
170628003	SWIFT 2017 - MT535 _90a tag has incorrect ordering of tags in schema
171010067	FTP Agent checking more than necessary directories for an absolute file path
170905002	BAM - Parse And Validate Error
170602012	FTP Dir List Agent with Creation Date and Time
170419047	MQ Emitter for Clustered Queues

IRN Number	Summary
160524013	IRN#160524013 xQuery in _IF iFL Compilation Error
170920037	Adapter - got exception: java.sql.SQLRecoverableException: Closed Connection[StoredProcedure
171017050	HIPAA - errors seen processing 837P EDI files with new Ebix file provided in case (170927058)
171026024	HTTP Emit Agent does not emit document when content is stream
170124088	Feature request - SFTP - Add Validate Host Keys \ Host Key Repository in service properties
170412006	URL encoding error in listener (or my understanding of how it works)
170227070	Add read to EOL to NTCP listener
170127045	Another FTP connection that will not work
170915006	Channel Redeployment issue
170907055	iSM 7.0.7-P2064.1537 - Error on "put protection" file rename after upload of initial file
170920080	Add another super user / group equivalent to ism.admin
170519046	NFR for role of ism.admin LDAP group in console
170907053	Since upgrading to iWay version 7.0.7, the logs are filling up with "ActiveSession" logs at the rate of one log-per-hour

IRN Number	Summary
170720085	The JCRAFT API In ISM 800 Needs To Be Updated From Version 0151 TO 0154
170713046	Our ISM/iWay environment suffers from JVM problems
171006037	HIPAA - errors seen processing 837I EDI files with old and new ebix file provided in case (170927058)
170815027	iWay Service Manager Production License Key Request
161209020	Microsoft Excel tool adapters
170324062	Need to confirm SFTP agents will work with SHA-2 (Prudential is discontinuing SHA-1 support)
170822051	iSM 7.0.5 - FTP agent (not sure which one) - logging "INFO" when I think it should be "DEBUG"
170803013	SFTP emitter - only moves 2 GB for a 4 GB file
170908058	XDFTPClientSterlingUnix - getFTPFile - double path on GET (see 170228094) ComData - Sterling Unix
170629085	iSM 7.0.7 - TLS FTP connection - No trusted certificate found
170809072	XDSQLInsert agent will not accept _flatof() as a value for a User Properties value
170508097	NRF - Want NHTTP listener option to generate an event for POST request
170412046	iWay Cloud Roadmap for BNS

IRN Number	Summary
170511059	XDFailAgent - pflow 7.0.5+, Properties has Bypass Catch Processing, XML missing nocatch PROPERTYITEM
161206067	Need a way to get Hex Values to be selectable when creating X12 data
170725031	ISM for MS Dynamics - Azure Bus
170628033	POC support for Kafka
170515062	File Listener Improper File Reprocessing (8,000+ IDOC upload to SAP)
161219101	Enhancement Request: Schedule Provider Next \ Last Run showing per selected calendar time?
170110025	Pipe with header channel is not stripping out the header record before processing
170412038	Nine digit issue in HWM listener.
170203089	XDSFTPEmitAgent not falling back to SCP like XDSFTPDirectFileTransfer does? (file is as directory?)
170228094	XDNFTPDirectFileTransfer - Not working with ComData (problem when home DIR is not ROOT?)
170321043	iWay is putting a double path when doing an SFTP Dir List when home folder is not root - FirstData
170202086	XDNFTPDirListAgent (ftp.theworknumber.com): Unable to setup file list; '/' is either missing...
161107007	Temp space filling up by iWay Clob queries

IRN Number	Summary
160518037	IRN#160518037 TPN web page is not showing anything after signing on
170516027	User can not log into FTP
170612101	iSM 7.0.7 FTP Server listing filenames with directory structure as name
170411007	nHTTPEmitAgent POST MultiPart Data Content-Type
161021032	Envoy startup issues - random?
170314012	Oracle Apps Procedures schemas are generated with invalid namespace
170103055	XDNFTPEmitAgent - Unexpected exception not triggering catch?
161104067	FTP Operator Delete: General failure: 451 Requested action aborted: session in inconsistent state
170412077	iSM 7.0.7 (and before?) File Emit does not evaluate _sreg() value when setting "Append" property
170327016	How to pass a value from a BI Object to a WebFOCUS variable
170127001	Support STR-Transform for XML Digital Signature
161220053	iWaySDK 7.0.6 won't build due to error not encountered during build in iIT or 7.0.4
161206022	Cannot read and then delete a file in the same process flow using the Samba agent

IRN Number	Summary
160919086	RN#160919086 A Oracle SQL query that works in Oracle cannot be run by iSM SQL Object
160804006	IRN#160804006 Salesforce Adapter's persistence not working as expected
160723001	IRN#160723001 _iwexists - (anoy exist rrelated IFL) does not return true if sreg has blank value
160810059	IRN#160810059 iwayworkdir in console resolving to "base" path instead of iIA path
160720094	IRN#160720094 Error: Error doing runtime transform [xslt]: Document construction [string] failed
123623515	IRN#23623515 Force array on JSON objects
171114041	BAM 7.0.6 anomaly: La conversion d'un type de données varchar en type de données datetime
170829084	Hexadecimal to Text & Vice-versa
171116029	Encountering Invalid Iteration Semantics Error Termination of Process Flow
161221066	Specify SSL Key/Trust-store Alias for SOAP Server
170825068	Transforming from XML to HTML tables only first table gets column HDR definition
170206001	IRL:Testing IRN
170915021	Transform failing to work when using the word Provisionsempfänger in a constant value

IRN Number	Summary
170329021	iSM Decision Switch Routing Not Working
170331078	XML to JSON inconsistency handling digits as string

Known Issues and Considerations

This section describes known issues and considerations in iWay version 8.0.4.

Upgrading iWay Integration Tools

Important: The Eclipse auto upgrade function does not work when upgrading iWay Integration Tools (iT) from Version 8.0.3 to Version 8.0.4. In order to upgrade iT from Version 8.0.3 to Version 8.0.4, you must install Version 8.0.4 and import your Version 8.0.3 configuration.

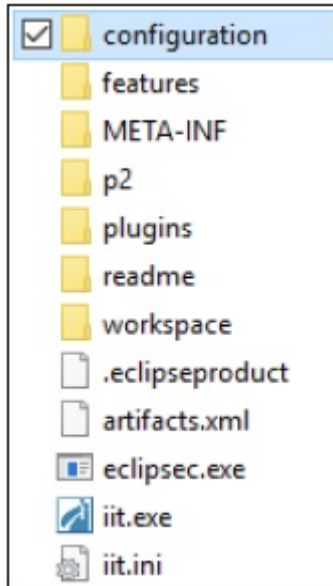
Git Support in iWay Integration Tools

iWay Integration Tools (iT) enables you to install and integrate the Git open source distributed version control system. Due to a bug in the Git plugin for Eclipse, after installing iT, you must perform the following steps to enable integration with Git:

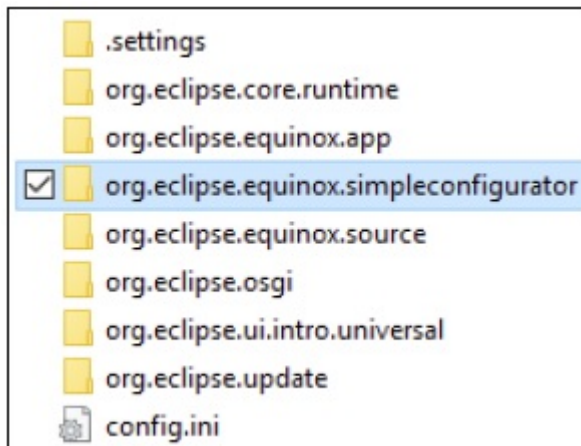
- 1. Close iWay Integration Tools (iT).
- 2. Navigate to the location on your file system where iT is installed. For example:

```
C:\iT_804
```


3. Open the *configuration* subfolder, as shown in the following image.



4. Open the *org.eclipse.equinox.simpleconfigurator* subfolder, as shown in the following image.



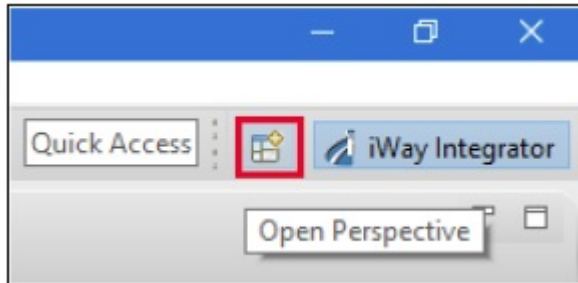
The *org.eclipse.equinox.simpleconfigurator* subfolder contains the *bundles.info* file, as shown in the following image.



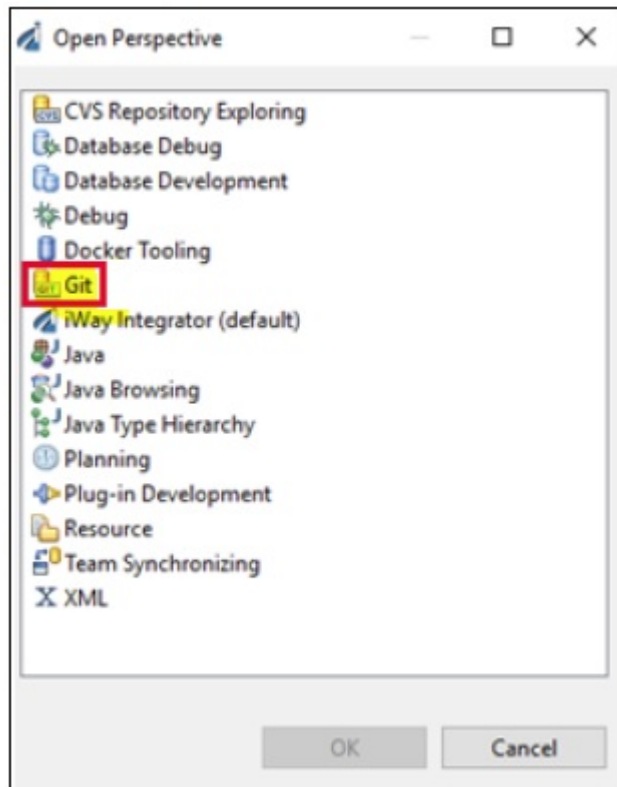
5. Edit the *bundles.info* file using a text editor (for example, Notepad).
6. Search for the following line in the *bundles.info* file:

```
org.slf4j.api,1.7.2.v20121108-1250,plugins/  
org.slf4j.api_1.7.2.v20121108-1250.jar,4,false
```
7. Delete this line.
8. Save the *bundles.info* file.
9. Open iT.

10. Click the *Open Perspective* icon on the toolbar, as shown in the following image.

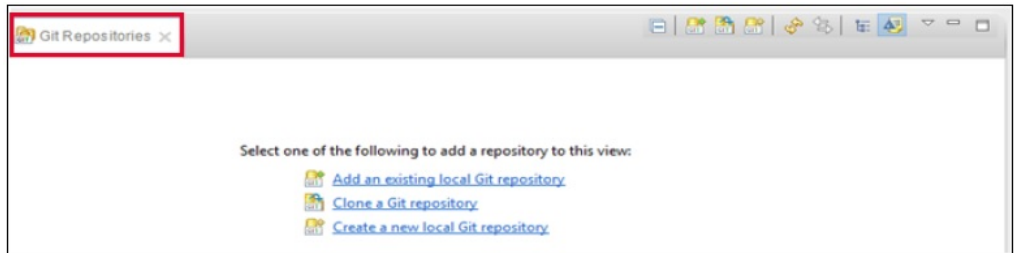


The Open Perspective dialog box opens, as shown in the following image.



11. Select *Git* from the list of available perspectives, and then click *OK*.

You are returned to iIT, where the Git perspective is now implemented, from which you can select and work with your Git repositories, as shown in the following image.



iWay Application Adapters

This section describes known issues and considerations for iWay Application Adapters in iWay version 8.0.4.

Deprecated

- ❑ The Microsoft Dynamics CRM 2011 (MS CRM 2011) adapter is deprecated and will be removed in the next release of iWay 8, as the underlying application has been removed from extended support by Microsoft. Event functionality has also been deprecated as this ability has been removed by Microsoft. If you have a requirement for continuing support for this adapter and related components, please contact *Information Builders Customer Support*.
- ❑ Microsoft Exchange supports Exchange Web Services at the Exchange 2010 level. This adapter is deprecated and will be removed in the next release of iWay 8, as the underlying application has been removed from extended support by Microsoft. The Exchange Web Services API .jar file is no longer available from Microsoft, but can be found on GitHub. If you have a requirement for continuing support for this adapter at the Exchange 2010 support level and related components, please contact *Information Builders Customer Support*.

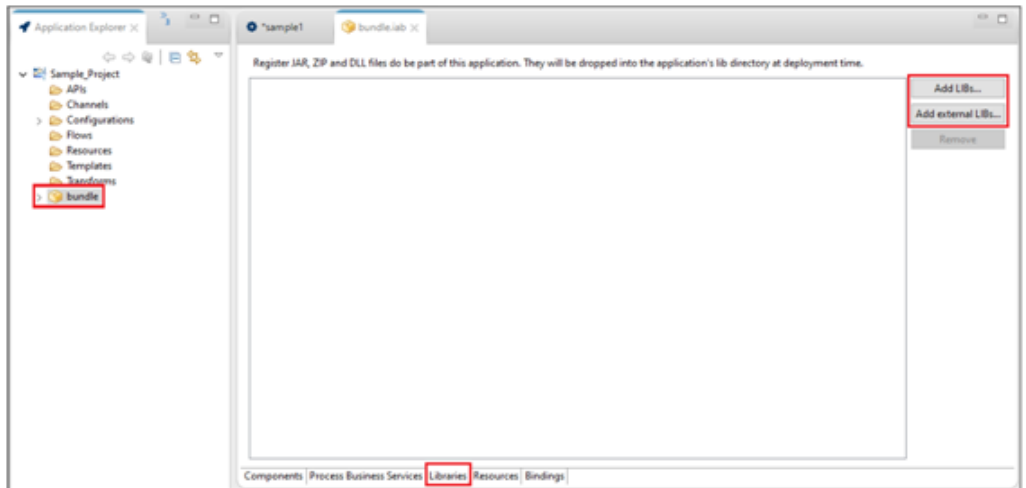
Updated Adapter Configuration Process

iWay 8 now uses the concept of Application Projects as separate containers for adapter instances. Adapters are no longer installed as system-wide instances, rather Application Projects and their dependencies are designed in isolation and packaged together and deployed to the runtime. This provides improved isolation of applications and efficient use and allocation of system resources.

Applications can be tested and run from the design-time area without deployment during development, so iterative development can take place.

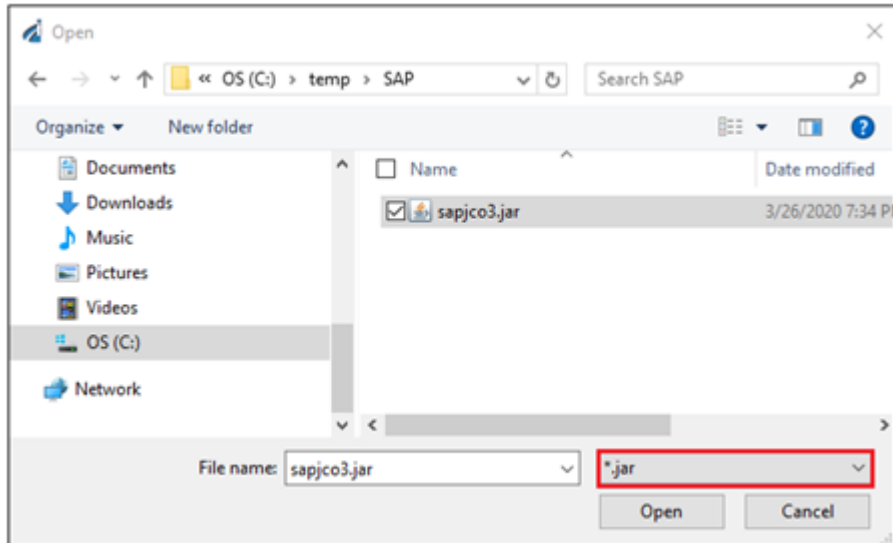
To configure an adapter in iWay Integration Tools (iIT):

1. Create a new Application Project for an adapter to be used.
2. Double-click the *bundle* object in the Application Project hierarchy (Application Explorer tab), and then click the *Libraries* tab in the right pane, as shown in the following image.



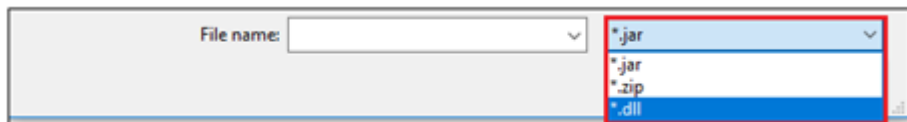
3. Click **Add external LIBs** to locate and select the third-party resource (.jar, .dll, .zip) that may be needed from your file system.

The Open dialog is displayed, as shown in the following image.

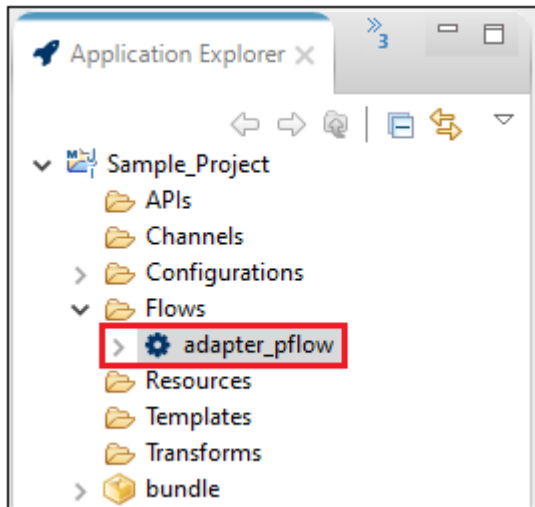


For example, for SAP ERP on Windows, you must add the *sapjco3.jar* and *sapjco3.dll* files to the Libraries tab, which will add these files to the Application Project's \lib folder during deployment.

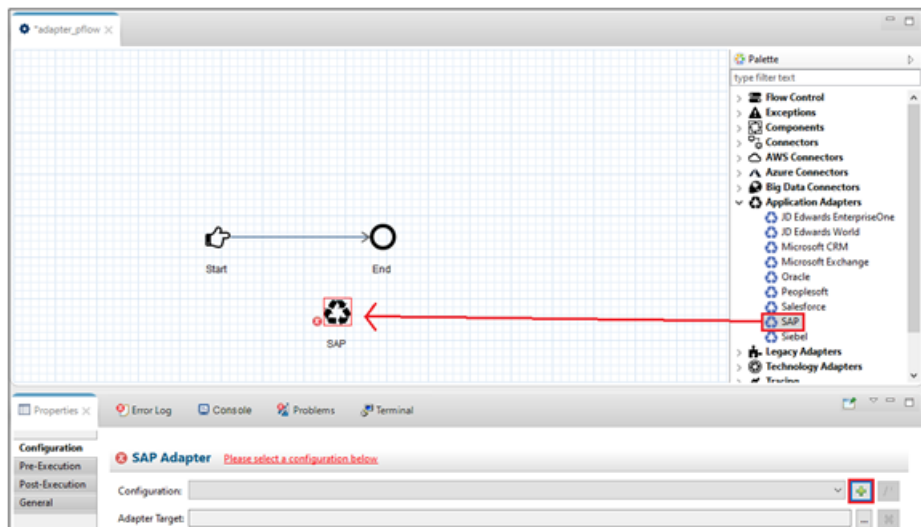
Note: The file type drop-down list in the Open dialog defaults to *.jar*. When adding dependencies that incorporate dynamic-link libraries (such as Windows *.dll* files), expand the file type drop-down list and select *.dll* or *.zip*, according to the appropriate type you require, as shown in the following image.



4. Create a new process flow in your Application Project (Flows subfolder), as shown in the following image.



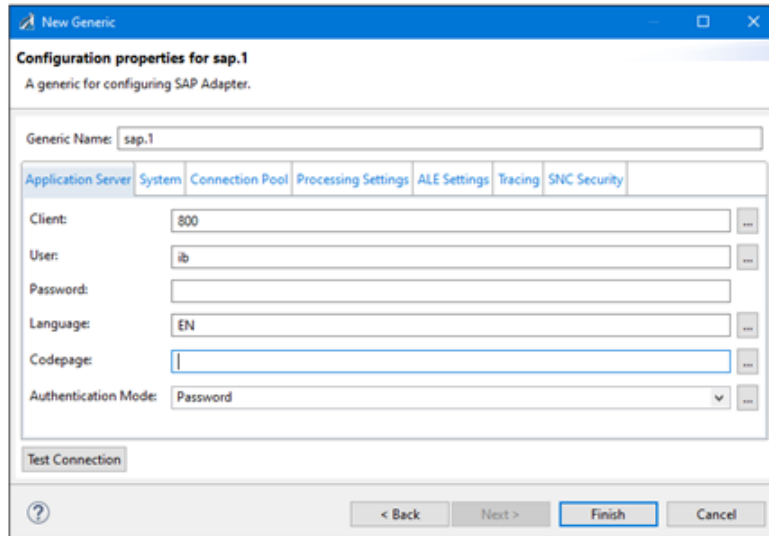
5. In the process flow, drag an Application Adapter (or Technology Adapter) onto the process flow canvas, as shown in the following image.



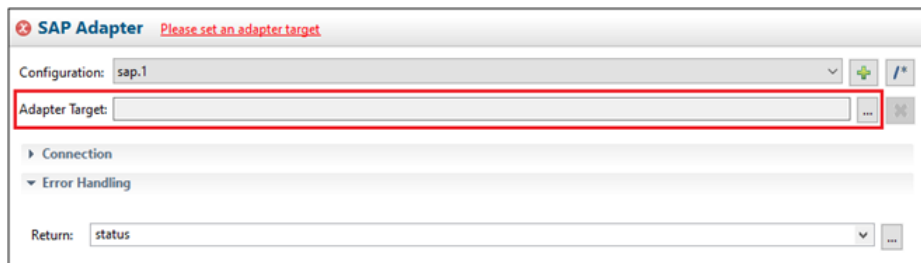
When the adapter object is added to the process flow canvas, the adapter configuration properties open with the name of the adapter as the header (for example, SAP Adapter).

6. Click the *green plus sign icon* (Create a configuration) to the right of the Configuration field.

The New Generic dialog opens, as shown in the following image.



7. Enter the required connection information and login credentials for the system you are connecting to (for example, SAP ERP).
8. Click *Test Connection* to validate, and then click *Finish*.
9. Set an adapter target to use and explore based on the system you have connected (for example, SAP ERP). Click the *ellipsis* button (...) to the right of the Adapter Target field, as shown in the following image.

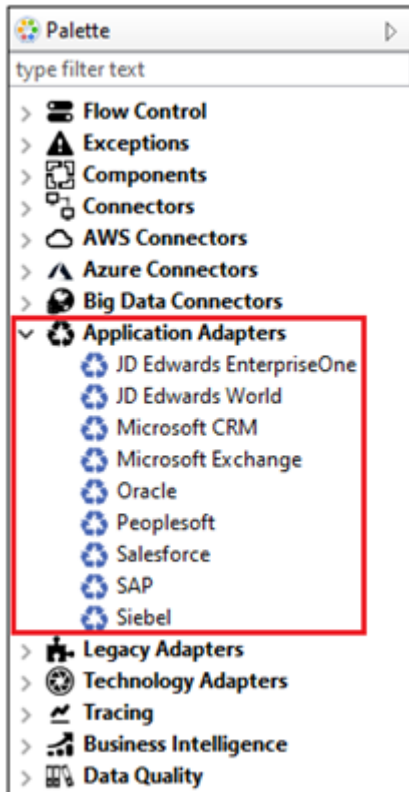


10. Select an available remote object (function or module) to be invoked on the target host.
11. Once your adapter target configuration is completed, return to the process flow.

For more information about testing, running, and deploying process flows and applications, see the *iWay Integration Tools* documentation.

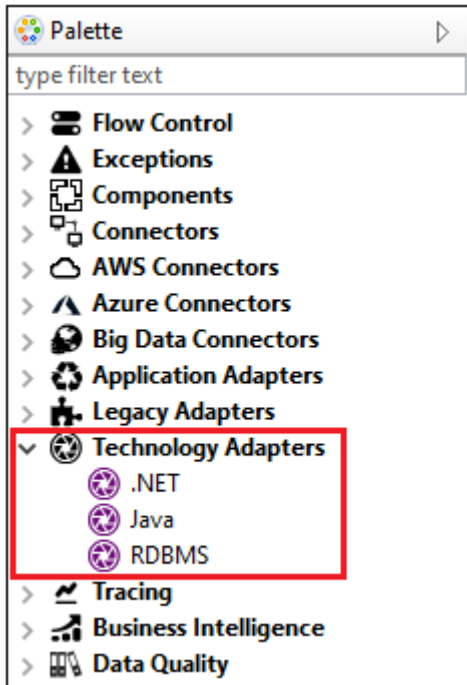
Available Application Adapters

The following *Application Adapters* are available from the Palette in iWay Integration Tools (iIT), which you can add to process flows in your Application Project.



Available Technology Adapters

The following *Technology Adapters* are available from the Palette in iWay Integration Tools (iIT), which you can add to process flows in your Application Project.



Event Handling

Adapter-specific Ports and Channels are deprecated in iWay 8 and have been removed from the product. For the following adapters, events are captured by using event listeners in the adapter configuration. They are added using Channels in the Application Project that trigger a process flow. Create a Channel and select one of the following adapters as a listener:

- ☐ ConnectDirect
- ☐ SAP (SAP ERP)
- ☐ LDAP
- ☐ MSMQ

For the following adapters, use an RDBMS, HTTP, or SOAP Listener in the channel to capture application events:

- ☐ JD Edwards EnterpriseOne
- ☐ JD Edwards World
- ☐ Siebel
- ☐ Salesforce
- ☐ PeopleSoft
- ☐ Oracle (Oracle Applications)
- ☐ RDBMS

iWay Business Activity Monitor

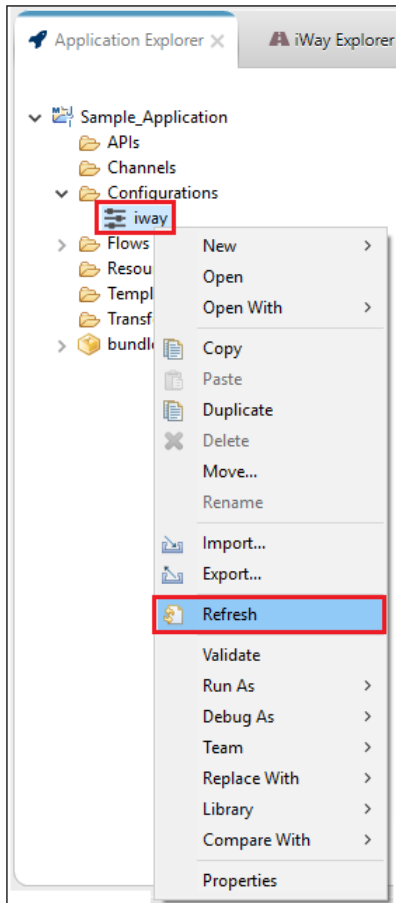
iWay Business Activity Monitor (BAM) requires the creation of a new database. An existing iWay BAM database (created in iWay version 7.x) can be archived for future access through standard database utilities. There are known issues with the resubmit functionality of iWay BAM in iWay version 8.0, due to repackaging into the application structure. For more information or if you have any questions, contact iWay Customer Support.

Process Flow Test-Run (z/OS)

On z/OS platforms, a *test run* for a process flow from iWay Integration Tools (iIT) can be performed only against the local configuration or a remote configuration. The *test run* against a test server is not supported at this time.

Updating the iWay Configuration File Metadata

Metadata for the iWay configuration file, which contains definitions for generics/configurations, can be updated to the latest iWay version using the *Refresh* option. Doing so will bring in the options for newer components that are available in the latest iWay version. To update your metadata using iWay Integration Tools (iIT), expand the *Configurations* subfolder in your application project, right-click the iWay configuration file (*iway* node), and select *Refresh* from the context menu, as shown in the following image.



If you create a new configuration from within a process flow, then this step is not required. In this case, metadata for the iWay configuration file will be refreshed automatically for any components that are used.

WebFOCUS Support

Due to WebFOCUS security model changes, including internal API changes, you must disable the new WebFOCUS security model to enable existing iWay applications to run against WebFOCUS. This will be addressed in a future iWay release, where the new WebFOCUS security model will be supported.

☐ **iWay WF Object.**

- ☐ Fully supports WebFOCUS version 80xx with no additional configuration required.
- ☐ If you are using this object with WebFOCUS version 82xx, Application Folders are supported, but not Virtual folders.

☐ **ReportCaster Object.**

- ☐ Fully supports WebFOCUS version 80xx with no additional configuration required.
- ☐ If you are using this object with WebFOCUS version 82xx, you must uncheck the *Cross Site Request Forgery Protection* setting in the WebFOCUS Administration Console.

☐ **ETL Object.** Supports WebFOCUS version 80xx and version 82xx.

Key Features

This section provides a summary of key features available in iWay Service Manager (ISM) and iWay Integration Tools (iIT) in version 8.0.4.

S3 Select Object Content Service

The S3 Select Object Content Service (com.ibi.agents.XDS3SelectObjectContentAgent) filters the contents of an Amazon S3 object in a bucket, based on an expression similar to SQL. The input can be in JSON, CSV, or Apache Parquet™ format, and the result of the query can be in JSON or CSV, irrespective of the input format. A scan range can be specified to support pagination.

For more information, see the *iWay Service Manager Component Reference Guide*.

JSON Web Token Create Service

The JSON Web Token Create Service (com.ibi.edaqm.XDJWTCreateTokenAgent) creates, and optionally, signs a JSON Web Token (JWT), which is a means of representing claims to be transferred between two parties. JWT is an open standard (RFC 7519) for creating JSON-based access tokens that assert some number of claims. For example, a server could generate a token that has the claim "logged in as admin" and provides that to a client. The client could then use that token to prove that it is logged in as admin.

The token consists of three parts (headers, claims, and an optional signature). The headers are gathered as members of a JSON object. The claims are encoded as members of a JSON object. The signature over the claims is a byte array. The claims are also called the token payload.

This service generates a token in compact form. The three parts are serialized and separately encoded in Base64 URL, then concatenated together with separating periods. The resulting value could be embedded in an HTTP response later (for example, by creating a Set-Cookie header)

For more information, see the *iWay Service Manager Component Reference Guide*.

Splunk Activity Driver

The Splunk® activity driver (com.ibi.exits.XDSplunkWriter) filters events in the iWay Service Manager (iSM) Activity Log and sends the selected events to a designated Splunk server for indexing. This activity driver can be used in place or in combination with other activity drivers.

Splunk captures, indexes, and correlates real-time data in a searchable repository from which it can generate graphs, reports, alerts, dashboards, and visualizations.

For more information, see the *iWay Service Manager Component Reference Guide*.

Redis Listener

Redis® is a key-value database that supports a publish/subscribe paradigm. The Redis listener (com.ibi.edaqm.XDRedisMaster) subscribes to one or more Redis channels and accepts messages that have been published to those channels. The subscription can be a list of channel names or a list of patterns to match against channel names.

The message is received as a string. When stored in the document, it can be left flat or parsed as JSON or XML, depending on the Input Format property.

For more information, see the *iWay Service Manager Component Reference Guide*.

Neo4j Connector

Neo4j® is a highly scalable native graph database, built to leverage not only data, but also data relationships. The Neo4j Connector uses the Neo4j HTTP API to provide the capability to execute Cypher® (Neo4j graph query language) statements and run basic operations, such as create, update, delete, merge, and select nodes, or relationships against a Neo4j graph database instance.

For more information, see the *Configuring the Neo4j Connector How-To*.

Writable Applications

iWay applications have always been immutable, meaning once they are deployed they cannot be altered. Now, in Release 8.0.4, you can mark an application as writable, which means components, such as flows, listeners, transforms, and so on, can be added, updated, and deleted without having to restart the application.

Note: This feature is recommended only for advanced users who utilize other mechanisms to maintain application integrity.

For more information, see the *Writable Applications How -To*.

Customer Support

Do you have questions about iWay version 8.0.4?

Join the Focal Point community. Focal Point is our online developer center and more than a message board. It is an interactive network of more than 3,000 developers from almost every profession and industry, collaborating on solutions and sharing tips and techniques, <http://forums.informationbuilders.com/eve/forums>.

You can also access support services electronically, 24 hours a day, with InfoResponse Online. InfoResponse Online is accessible through <https://techsupport.informationbuilders.com>. You can connect 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 also provides usage techniques, diagnostic tips, and answers to frequently asked questions.

Call Information Builders Customer Support Services (CSS) at (800) 736-6130 or (212) 736-6130. Customer Support Consultants are available Monday through Friday between 8:00A.M. and 8:00P.M. EST to address all your questions. Information Builders consultants can also give you general guidance regarding product capabilities and documentation. Be prepared to provide your six-digit site code (xxxx.xx) when you call.



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iWay

/ iWay Release Notes

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