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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
- Migration
- Deprecated Components
- Resolved Issues
- Known Issues and Considerations
- Key Features
- Customer Support

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.

<table>
<thead>
<tr>
<th>IRN Number</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>171130070</td>
<td>SOAP Channel - Secure SOAP port does not display licenses at SOAP page root.</td>
</tr>
<tr>
<td>181210013</td>
<td>SFTP Block gives out error.</td>
</tr>
<tr>
<td>190124049</td>
<td>iWay ETL Agent for Data Migrator exposes the password in clear text in the logs.</td>
</tr>
<tr>
<td>190325089</td>
<td>Performance issue with iWay running XSLT transforms using the Saxon engine.</td>
</tr>
<tr>
<td>190629001</td>
<td>Getting Kafka warning messages in iT every time a Pflow is compiled and run.</td>
</tr>
<tr>
<td>190821082</td>
<td>RabbitMQ Listener works properly in 802...not in 803.</td>
</tr>
<tr>
<td>191030097</td>
<td>Exception in sftp when listing a very large directory.</td>
</tr>
<tr>
<td>191202110</td>
<td>Samba Dir Listing Agent exposes password in clear text in XML response.</td>
</tr>
<tr>
<td>191219052</td>
<td>XDSFTP EmitAgent causes NPE, also fails when Emit Zero Bytes is false.</td>
</tr>
<tr>
<td>200212086</td>
<td>File size does not match error when using SFTP listener against GXS server.</td>
</tr>
<tr>
<td>190507134</td>
<td>SFTP object in process failed.</td>
</tr>
<tr>
<td>190812040</td>
<td>XDSFTPDirectFileTransfer agent hangs, the channel timeout expires, the flow is canceled, but the thread remains blocked.</td>
</tr>
<tr>
<td>190927099</td>
<td>XSLT Transform Output encoding is broken when Flat is used.</td>
</tr>
</tbody>
</table>
## iWay Version 8.0.3

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

<table>
<thead>
<tr>
<th>IRN Number</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>180924016</td>
<td>Unable to import a JSON schema in iWay 8.</td>
</tr>
<tr>
<td>180919119</td>
<td>Listener based on an SQL query is limited to a single line in the Query field.</td>
</tr>
<tr>
<td>180827100</td>
<td>iWay SDK: BUILDAPP should create required ITA files from iwtemplate files.</td>
</tr>
<tr>
<td>180520004</td>
<td>Transformer Group Aggregation Error.</td>
</tr>
<tr>
<td>180321055</td>
<td>BUG: Transform sorting removes segment level.</td>
</tr>
<tr>
<td>171102038</td>
<td>NFR: Default value for the Replace function in Transformer.</td>
</tr>
<tr>
<td>190220106*</td>
<td>OEI custom version of the 310 EDI does not calculate SE01 count.</td>
</tr>
<tr>
<td>190129100</td>
<td>X12 IEA control number is left justified.</td>
</tr>
<tr>
<td>181204027</td>
<td>CSV parser does not correctly escape column separators within the quoted column value.</td>
</tr>
<tr>
<td>181120043</td>
<td>SWIFT MT541/543 inbound types are failing in PROD.</td>
</tr>
<tr>
<td>IRN Number</td>
<td>Summary</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>181016113</td>
<td>Controls Listeners Service (com.ibi.agents.XDControlAgent) does not find listeners using a wildcard suffix as indicated by the Listener(s) parameter.</td>
</tr>
<tr>
<td>181002093</td>
<td>The _if() function (Obtain Value Conditionally) returns unexpected false results when the condition evaluates as true.</td>
</tr>
<tr>
<td>180427038</td>
<td>SFTP: Intermittent error with two different SFTP servers. JSch: Invalid encoding for signature.</td>
</tr>
<tr>
<td>180823038</td>
<td>Users with an Active Directory (AD) account can access the base configuration in read-only mode without monitoring rights.</td>
</tr>
<tr>
<td>180716012</td>
<td>New feature request to allow support for data providers in database listeners.</td>
</tr>
<tr>
<td>180525082</td>
<td>Envoy must be SSL-enabled.</td>
</tr>
<tr>
<td>180606084*</td>
<td>Add name for managed server to the SNMP output.</td>
</tr>
<tr>
<td>180118050*</td>
<td>Centralize SNMP monitoring per iSM instance, not per managed server (master agent).</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>IRN Number</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>23363529</td>
<td>iWay BAM console does not show transactions (with SQL Server).</td>
</tr>
<tr>
<td>171108066</td>
<td>XDSFTPEmitAgent: Need MFT feature as in XDNFTPEmitAgent.</td>
</tr>
<tr>
<td>180117068</td>
<td>The iwsystray.exe file needs to be signed, which currently prompts for User Account Control in Windows.</td>
</tr>
<tr>
<td>171208047</td>
<td>How do you disable the external entity expansion feature in the server’s XML parser?</td>
</tr>
<tr>
<td>180302065</td>
<td>Since switching from TDS LDAP to AD, Magnify iWay process flows are generating HTTP errors.</td>
</tr>
<tr>
<td>180309008</td>
<td>How do you convert time on the server by time zone?</td>
</tr>
<tr>
<td>180215073</td>
<td>Base - SOAP channel - must use the blue console, can’t restart secure SOAP channel.</td>
</tr>
<tr>
<td>180405031</td>
<td>nAS2 Listener</td>
</tr>
<tr>
<td>180405030</td>
<td>nAS2 Emit Agent</td>
</tr>
<tr>
<td>180410069</td>
<td>RVI Gateway listener special register button does not return register names.</td>
</tr>
<tr>
<td>180313052</td>
<td>XML to JSON conversion needs to add an array.</td>
</tr>
<tr>
<td>IRN Number</td>
<td>Summary</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
</tr>
<tr>
<td>180411032</td>
<td>PGP Decrypt Preparser is sending error documents through the process flow.</td>
</tr>
<tr>
<td>180327040</td>
<td>MQ fails to connect to MQ using SSL.</td>
</tr>
<tr>
<td>180510052</td>
<td>NFR MQ Emit object password validation.</td>
</tr>
<tr>
<td>180308030</td>
<td>MQ Emitter in Iterator holding connection to queues until process is complete.</td>
</tr>
<tr>
<td>180509074</td>
<td>Failover iSM server instance continues to process redundantly after re-syncing with the primary iSM server instance.</td>
</tr>
<tr>
<td>180511066</td>
<td>SFTP Direct File Transfer - Timeout?</td>
</tr>
<tr>
<td>180607050</td>
<td>The XDNHttpEmitAgent fails to parse a text/XML response that is valid XML. Other tools work fine.</td>
</tr>
<tr>
<td>180514024</td>
<td>Deployment errors continue to occur (blocked or exception exploding).</td>
</tr>
<tr>
<td>180614031</td>
<td>Does iWay version 7.0.6 support Excel 2013 (.xlsx) files?</td>
</tr>
<tr>
<td>180619004</td>
<td>File Agent fails to report an error (it does on the log) when failing to rename the iwaytemp file.</td>
</tr>
<tr>
<td>180801063</td>
<td>SWIFT 2018: MT564 E2 22F bad rule.</td>
</tr>
<tr>
<td>180823031</td>
<td>HIPAA 999 acknowledgement file fails on error in NM1 segments.</td>
</tr>
<tr>
<td>171020012</td>
<td>Transformation Execution</td>
</tr>
<tr>
<td>180205051</td>
<td>SSH Provider in Deployment Template Builder has old options for SSH Factories.</td>
</tr>
</tbody>
</table>
## Resolved Issues

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

### 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).

<table>
<thead>
<tr>
<th>IRN Number</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>IIT-550 / 180530056</td>
<td>Process flows from a 7.0.7 project imported into 8.0.1 fail to compile.</td>
</tr>
<tr>
<td>IIT-539</td>
<td>The required MQ password field setting is not honored.</td>
</tr>
<tr>
<td>IIT-532</td>
<td>Wrong encoding in process flow.</td>
</tr>
</tbody>
</table>
### iWay Version 8.0.1

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

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

<table>
<thead>
<tr>
<th>IRN Number</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>180308030</td>
<td>JMS Emitter in Iterator holds connection to queues until a process is complete</td>
</tr>
<tr>
<td>180302042</td>
<td>NPE when trying to SSL, enable the iSM application</td>
</tr>
<tr>
<td>180221062</td>
<td>First element derived from inbound CSV is being corrupted</td>
</tr>
<tr>
<td>180201043</td>
<td>com.ibi.nftp.client.XDFTPSClient cannot be cast to com.ibi.nftp.client.XDFTPClient</td>
</tr>
<tr>
<td>180221026</td>
<td>What is the highest version of MQ supported by iSM 6.1.5?</td>
</tr>
<tr>
<td>180226066</td>
<td>Data field beginning with an unmatched apostrophe corrupts data</td>
</tr>
<tr>
<td>180223037</td>
<td>_length function generates an exception on missing SREG</td>
</tr>
<tr>
<td>IRN Number</td>
<td>Summary</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>180215016</td>
<td>iSM 8: Using _sreg parameters as query-parameters for the REST service</td>
</tr>
<tr>
<td>180216022</td>
<td>iFL call generates an exception during startup</td>
</tr>
<tr>
<td>180125046</td>
<td>BAM Driver generates the following error: &quot;Error in transaction, while inserting into sreg and channel info table&quot;</td>
</tr>
<tr>
<td>171214056</td>
<td>Security Provider defined for JKS KeyStore does not work when connecting to MQ using JMS</td>
</tr>
<tr>
<td>171205055</td>
<td>SAP listener fails on receipt of document from SAP: com.sap.conn.jco.AbapException</td>
</tr>
<tr>
<td>171208052</td>
<td>XDXQueryAgent does not output TREE trace in the iSM log</td>
</tr>
<tr>
<td>171218066</td>
<td>LDAP NFR/Change to Support SOX External Audit Compliance</td>
</tr>
<tr>
<td>171107077</td>
<td>iSM 7.0.7 FTP cache does not connect to FileZilla server 0.9.60.2 when minimum TLS version is set to 2</td>
</tr>
<tr>
<td>171130071</td>
<td>iiA with two SOAP listeners: One seems to be the &quot;primary&quot;. The second listener does not work if the first listener is stopped.</td>
</tr>
<tr>
<td>171127064</td>
<td>LDAP Directory Provider does not support StartTLS</td>
</tr>
<tr>
<td>171115094</td>
<td>Secure SOAP channel does not create WSDL?</td>
</tr>
<tr>
<td>171108068</td>
<td>XDSFTPDirectFileTransfer missing Put File Protection: Please add</td>
</tr>
<tr>
<td>IRN Number</td>
<td>Summary</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>171110045</td>
<td>Creating a Secure Shell Provider requires an Authentication Realm to be created in the base configuration</td>
</tr>
<tr>
<td>171114032</td>
<td>Passing parameters from a channel to shutdown a process flow</td>
</tr>
<tr>
<td>171108034</td>
<td>NFR - Force a template to use the master user ID / password if not supplied in the template</td>
</tr>
<tr>
<td>171102032</td>
<td>JMS Emitter dropping the message in base64 format</td>
</tr>
<tr>
<td>171005039</td>
<td>How do I save an FTP transaction log within a process flow?</td>
</tr>
<tr>
<td>170802087</td>
<td>LDAP - Is there any way to add a user to an existing Active Directory group using the LDAP adapter?</td>
</tr>
<tr>
<td>170519046</td>
<td>NFR: LDAP password management (second part of COTY case)</td>
</tr>
<tr>
<td>170419047</td>
<td>MQ Emitter for Clustered Queues</td>
</tr>
<tr>
<td>170621090</td>
<td>BAM resubmit functionality: Queue not defined</td>
</tr>
<tr>
<td>161111050</td>
<td>BAM Correlation History query taking a lot of database resources</td>
</tr>
<tr>
<td>120153539</td>
<td>BAM errors when numerous User Defined columns exist</td>
</tr>
<tr>
<td>180327040</td>
<td>MQ Listener using SSL fails to connect to MQ after Application deployment from iIT.</td>
</tr>
<tr>
<td>180215026</td>
<td>Changing Content-type header does not update on second request</td>
</tr>
</tbody>
</table>
### Resolved Issues

<table>
<thead>
<tr>
<th>IRN Number</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>180207073</td>
<td>iT 8: Cannot copy pre-execution / post-execution items between objects</td>
</tr>
<tr>
<td>171110048</td>
<td>Command console display issues in the iSM Administration Console</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>IRN Number</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>170322037</td>
<td>IPv6 addresses don't work with BAM</td>
</tr>
<tr>
<td>170920062</td>
<td>Secure iWay Administration Console</td>
</tr>
<tr>
<td>171017020</td>
<td>Need assistance determining connection setup for a BI execution object</td>
</tr>
<tr>
<td>171110017</td>
<td>Unable to execute the same web service twice</td>
</tr>
<tr>
<td>170628003</td>
<td>SWIFT 2017 - MT535 _90a tag has incorrect ordering of tags in schema</td>
</tr>
<tr>
<td>171010067</td>
<td>FTP Agent checking more than necessary directories for an absolute file path</td>
</tr>
<tr>
<td>170905002</td>
<td>BAM - Parse And Validate Error</td>
</tr>
<tr>
<td>170602012</td>
<td>FTP Dir List Agent with Creation Date and Time</td>
</tr>
<tr>
<td>170419047</td>
<td>MQ Emitter for Clustered Queues</td>
</tr>
<tr>
<td>IRN Number</td>
<td>Summary</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
</tr>
<tr>
<td>160524013</td>
<td>IRN#160524013 xQuery in _IF</td>
</tr>
<tr>
<td>170920037</td>
<td>Adapter - got exception: java.sql.SQLException: Closed Connection[StoredProcedure</td>
</tr>
<tr>
<td>171017050</td>
<td>HIPAA - errors seen processing 837P EDI files with new Ebix file provided in case (170927058)</td>
</tr>
<tr>
<td>171026024</td>
<td>HTTP Emit Agent does not emit document when content is stream</td>
</tr>
<tr>
<td>170124088</td>
<td>Feature request - SFTP - Add Validate Host Keys \ Host Key Repository in service properties</td>
</tr>
<tr>
<td>170412006</td>
<td>URL encoding error in listener (or my understanding of how it works)</td>
</tr>
<tr>
<td>170227070</td>
<td>Add read to EOL to NTCP listener</td>
</tr>
<tr>
<td>170127045</td>
<td>Another FTP connection that will not work</td>
</tr>
<tr>
<td>170915006</td>
<td>Channel Redeployment issue</td>
</tr>
<tr>
<td>170907055</td>
<td>iSM 7.0.7-P2064.1537 - Error on &quot;put protection&quot; file rename after upload of initial file</td>
</tr>
<tr>
<td>170920080</td>
<td>Add another super user / group equivalent to ism.admin</td>
</tr>
<tr>
<td>170519046</td>
<td>NFR for role of ism.admin LDAP group in console</td>
</tr>
<tr>
<td>170907053</td>
<td>Since upgrading to iWay version 7.0.7, the logs are filling up with &quot;ActiveSession&quot; logs at the rate of one log-per-hour</td>
</tr>
<tr>
<td>IRN Number</td>
<td>Summary</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
</tr>
<tr>
<td>170720085</td>
<td>The JCRAFT API In ISM 800 Needs To Be Updated From Version 0151 TO 0154</td>
</tr>
<tr>
<td>170713046</td>
<td>Our ISM/iWay environment suffers from JVM problems</td>
</tr>
<tr>
<td>171006037</td>
<td>HIPAA - errors seen processing 837I EDI files with old and new ebix file provided in case (170927058)</td>
</tr>
<tr>
<td>170815027</td>
<td>iWay Service Manager Production License Key Request</td>
</tr>
<tr>
<td>161209020</td>
<td>Microsoft Excel tool adapters</td>
</tr>
<tr>
<td>170324062</td>
<td>Need to confirm SFTP agents will work with SHA-2 (Prudential is discontinuing SHA-1 support)</td>
</tr>
<tr>
<td>170822051</td>
<td>ISM 7.0.5 - FTP agent (not sure which one) - logging &quot;INFO&quot; when I think it should be &quot;DEBUG&quot;</td>
</tr>
<tr>
<td>170803013</td>
<td>SFTP emitter - only moves 2 GB for a 4 GB file</td>
</tr>
<tr>
<td>170908058</td>
<td>XDFTPClientSterlingUnix - getFTPFile - double path on GET (see 170228094) ComData - Sterling Unix</td>
</tr>
<tr>
<td>170629085</td>
<td>ISM 7.0.7 - TLS FTP connection - No trusted certificate found</td>
</tr>
<tr>
<td>170809072</td>
<td>XDSQLInsert agent will not accept _flatof() as a value for a User Properties value</td>
</tr>
<tr>
<td>170508097</td>
<td>NRF - Want NHTTP listener option to generate an event for POST request</td>
</tr>
<tr>
<td>170412046</td>
<td>iWay Cloud Roadmap for BNS</td>
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<tr>
<td>IRN Number</td>
<td>Summary</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
</tr>
<tr>
<td>170511059</td>
<td>XDFailAgent - pflow 7.0.5+, Properties has Bypass Catch Processing, XML missing nocatch PROPERTYITEM</td>
</tr>
<tr>
<td>161206067</td>
<td>Need a way to get Hex Values to be selectable when creating X12 data</td>
</tr>
<tr>
<td>170725031</td>
<td>ISM for MS Dynamics - Azure Bus</td>
</tr>
<tr>
<td>170628033</td>
<td>POC support for Kafka</td>
</tr>
<tr>
<td>170515062</td>
<td>File Listener Improper File Reprocessing (8,000+ IDOC upload to SAP)</td>
</tr>
<tr>
<td>161219101</td>
<td>Enhancement Request: Schedule Provider Next \ Last Run showing per selected calendar time?</td>
</tr>
<tr>
<td>170110025</td>
<td>Pipe with header channel is not stripping out the header record before processing</td>
</tr>
<tr>
<td>170412038</td>
<td>Nine digit issue in HWM listener.</td>
</tr>
<tr>
<td>170203089</td>
<td>XDSFTPEmitAgent not falling back to SCP like XDSFTPDirectFileTransfer does? (file is as directory?)</td>
</tr>
<tr>
<td>170228094</td>
<td>XDNFTPDirectFileTransfer - Not working with ComData (problem when home DIR is not ROOT?)</td>
</tr>
<tr>
<td>170321043</td>
<td>iWay is putting a double path when doing an SFTP Dir List when home folder is not root - FirstData</td>
</tr>
<tr>
<td>170202086</td>
<td>XDNFTPDirListAgent (ftp.theworknumber.com): Unable to setup file list; '/' is either missing...</td>
</tr>
<tr>
<td>161107007</td>
<td>Temp space filling up by iWay Clob queries</td>
</tr>
<tr>
<td>IRN Number</td>
<td>Summary</td>
</tr>
<tr>
<td>--------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>160518037</td>
<td>IRN#160518037 TPN web page is not showing anything after signing on</td>
</tr>
<tr>
<td>170516027</td>
<td>User can not log into FTP</td>
</tr>
<tr>
<td>170612101</td>
<td>iSM 7.0.7 FTP Server listing filenames with directory structure as name</td>
</tr>
<tr>
<td>170411007</td>
<td>nHTTPEmitAgent</td>
</tr>
<tr>
<td>161021032</td>
<td>Envoy startup issues - random?</td>
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<tr>
<td>170314012</td>
<td>Oracle Apps Procedures schemas are generated with invalid namespace</td>
</tr>
<tr>
<td>170103055</td>
<td>XDNFTPEmitAgent - Unexpected exception not triggering catch?</td>
</tr>
<tr>
<td>161104067</td>
<td>FTP Operator Delete: General failure: 451 Requested action aborted: session in inconsistent state</td>
</tr>
<tr>
<td>170412077</td>
<td>iSM 7.0.7 (and before?) File Emit does not evaluate _sreg() value when setting &quot;Append&quot; property</td>
</tr>
<tr>
<td>170327016</td>
<td>How to pass a value from a BI Object to a WebFOCUS variable</td>
</tr>
<tr>
<td>170127001</td>
<td>Support STR-Transform for XML Digital Signature</td>
</tr>
<tr>
<td>161220053</td>
<td>iWaySDK 7.0.6 won't build due to error not encountered during build in iIT or 7.0.4</td>
</tr>
<tr>
<td>161206022</td>
<td>Cannot read and then delete a file in the same process flow using the Samba agent</td>
</tr>
<tr>
<td>IRN Number</td>
<td>Summary</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
</tr>
<tr>
<td>160919086</td>
<td>RN#160919086 A Oracle SQL query that works in Oracle cannot be run by iSM SQL Object</td>
</tr>
<tr>
<td>160804006</td>
<td>IRN#160804006 Salesforce Adapter's persistence not working as expected</td>
</tr>
<tr>
<td>160723001</td>
<td>IRN#160723001 _iwexists - (any exist related IFL) does not return true if sreg has blank value</td>
</tr>
<tr>
<td>160810059</td>
<td>IRN#160810059 iwayworkdir in console resolving to &quot;base&quot; path instead of iIA path</td>
</tr>
<tr>
<td>160720094</td>
<td>IRN#160720094 Error: Error doing runtime transform [xslt]: Document construction [string] failed</td>
</tr>
<tr>
<td>123623515</td>
<td>IRN#23623515 Force array on JSON objects</td>
</tr>
<tr>
<td>171114041</td>
<td>BAM 7.0.6 anomaly: La conversion d'un type de données varchar en type de données datetime</td>
</tr>
<tr>
<td>170829084</td>
<td>Hexadecimal to Text &amp; Vice-versa</td>
</tr>
<tr>
<td>171116029</td>
<td>Encountering Invalid Iteration Semantics Error Termination of Process Flow</td>
</tr>
<tr>
<td>161221066</td>
<td>Specify SSL Key/Trust-store Alias for SOAP Server</td>
</tr>
<tr>
<td>170825068</td>
<td>Transforming from XML to HTML tables only first table gets column HDR definition</td>
</tr>
<tr>
<td>170206001</td>
<td>IRL:Testing IRN</td>
</tr>
<tr>
<td>170915021</td>
<td>Transform failing to work when using the word Provisionsempfänger in a constant value</td>
</tr>
<tr>
<td>IRN Number</td>
<td>Summary</td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------------------------------</td>
</tr>
<tr>
<td>170329021</td>
<td>ISM Decision Switch Routing Not Working</td>
</tr>
<tr>
<td>170331078</td>
<td>XML to JSON inconsistency handling digits as string</td>
</tr>
</tbody>
</table>

**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 (iIT) from Version 8.0.3 to Version 8.0.4. In order to upgrade iIT 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 (iIT) 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 iIT, you must perform the following steps to enable integration with Git:

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

   ```
   C:\iIT_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 iIT.
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 iT, 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.

![Application Explorer](image)

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

![Process Flow with Adapter](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.

![Palette screenshot showing Technology Adapters]

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 8:00 A.M. and 8:00 P.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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