



# iBOLT V3.2 SP1 Release Notes

Welcome to iBOLT V3.2 SP1, which has been designed to deliver an easy-to-use, flexible, and cost-effective business integration solution.

This document highlights the new and enhanced features that have been added to iBOLT V3.2 SP1. For information about previous iBOLT versions, see the [Past Release Notes.pdf](#) file provided with this installation.

## General Information

### Installing iBOLT

You can find information about installing iBOLT in the [iBOLT Installation Guide.pdf](#). The guide also contains information about the prerequisites for using iBOLT flow components.

### iBOLT Technical Notes

Magic's International Technical Support produces iBOLT Technical Notes on a range of useful topics. You can find the Technical Notes in the *iBOLT Help* and on Magic Software Enterprises' Website.

### iBOLT V3.2 SP1 Compatibility

For information about the various platforms with which iBOLT V3.2 SP1 is compatible, refer to the [iBOLT V3 Compatibility Guide](#).

This document replaces the previous version's Certification document.

## Migrating from iBOLT V2.5 to iBOLT V3.2 SP1

iBOLT provides a wizard to easily migrate your project from iBOLT V2.5 to iBOLT V3.2 SP1. This wizard is available through a shortcut in the iBOLT installation's **Start** menu. The Migration utility supports projects that were developed in iBOLT Version 2.5 SP8b or later. If you developed your project in a prior version, you need to upgrade your project's current iBOLT version before you attempt to migrate the project.

**Note:** We recommend reading the **Migration** chapter in the *iBOLT Help* before migrating your iBOLT V2.5 projects. We have updated the **Preparing Your Project for Migration** topic with additional and important information.

As a general guideline, we recommend that you examine the Migration log and fix any issues that arise in your iBOLT V2.5 project. You should then run the Migration utility again until all issues are resolved.

Due to changes in schema locations, the following components require reconfiguration (click the **Configuration** button): SAP Business One, SAP R/3, Salesforce, JD Edwards, and Notes DB. Click **OK** to save changes.

## Upgrading from iBOLT V3.2 to iBOLT V3.2 SP1

iBOLT will automatically upgrade a project developed in iBOLT V3.2 to iBOLT V3.2 SP1. Make sure to manually copy your <Project> sub-directory to the new installation's **projects** directory.

## Supported Internal Databases

iBOLT V3.2 SP1 supports the following internal databases:

- Oracle 9i (OCI 32-bit only)
- Oracle 10g (OCI 32-bit only)
- Oracle 11 (OCI 32-bit only)
- Microsoft® SQL Server 2000
- Microsoft® SQL Server 2005
- Microsoft® SQL Server 2008
- MySQL 5.x
- DB2 UDB 8
- DB2/400 OS/400 V5R4 and V6R1

## Behavior Change

- The **Max no. of threads** field has been removed from the **iBOLT Server Settings** dialog box's **Miscellaneous** section. You should either set the required threads value in the **Assigned License Threads** property (under **Project > IFS Settings**), or directly in the project's **ifs.ini** file using:

```
[MAGIC_ENV]MaxConcurrentRequests = <the Max number of threads>
```

- The Migration utility performs the mapping operations automatically for all Data Mapper steps and XML interface components.

## Known Issues

- In some iBOLT installations on Windows 2008, the iBOLT services do not stop properly.
- In iBOLT V3, the length of a variable name is 30 characters. However, since iBOLT adds a prefix to each variable name, such as **F.**, **C.** or **G.**, the maximum size of a variable is 28 characters.
- In the migration process from V2.5 to V3, iBOLT trims the length of the project variables to 28 and reports it in the log.
- When upgrading directly from iBOLT V3.1 SP1a, you need to redefine the password fields in your resources.
- When starting the Debugger from the Flow context menu (debugging one flow), the flow will be executed immediately (AutoStart behavior). When the flow execution is completed once, any defined triggers will wait for external events.
- Unicode data cannot be mapped to XML nodes encoded as base64.
- If you run a project with .NET framework support, and you receive the **Error in .NET invocation:IFC1.IFC1 Code:2140930047 Set Property: iBOLTFramework.dll location** error, you should unregister and then re-register the **Iboltinvoker.dll** file by using the following command:  

```
'RegAsm iboltinvoker.dll /tlb:iboltinvoker.tlb'
```
- The **Dynamics CRM** connector does not permit switching between users, even if there are two resources with identical parameters except for the user name. The first authenticated user is the one used for the entire server run.
- The SharePoint component supports primitive data types only.

## New Features

### SharePoint Component

iBOLT V3.2 SP1 contains the SharePoint component, which enables an iBOLT project to interact with the Microsoft® SharePoint® application. The component allows the following operations to be performed on lists: **Query**, **Create**, **Update** and **Delete**. The ability to execute queries for the latest changes to lists is also supported.

### Salesforce Connector

#### Bulk API Support

iBOLT's Salesforce connector now supports Salesforce.com's Bulk API. New operations (**Bulk Create**, **Bulk Update**, and **Bulk Upsert**) have been added to the connector's XML interface. New methods (**Bulk Abort Job**, **Bulk Check Job State**, and **Bulk Retrieve Job Results**) have been added to the connector's method interface.

## Metadata API Support

The Salesforce connector also supports Salesforce.com's Metadata API. New methods (**Metadata CRUD**, **Metadata Check State**, **Metadata Deploy**, and **Metadata Retrieve**) have been added to the connector's method interface.

## Endpoint Property in Resource Definitions

The Salesforce API endpoint can now be set in the Salesforce resource definitions.

## Synchronous Trigger Option

The Salesforce connector trigger's new **Synchronous** check box lets you synchronize the retrieval of trigger lines and determine their invocation order.

## Dynamic Query Filter Using SOQL

A new field has been added to object XSDs that are generated by the Salesforce connector. This field allows you to perform advanced queries using WHERE SOQL statements.

## Significant Performance Improvements

As a result of changes to the WS stack used, the Salesforce connector shows significant performance improvements.

## Salesforce API version upgrade

The Salesforce connector now supports API 18 and above.

## Query Results Split

To facilitate the handling of very large query results, it is now possible to split the result into several XML files so they can be processed individually.

## HL7 Component Communication Enhancements

iBOLT's HL7 component now contains an additional communication layer. The component can now be used as a trigger, and the new **Send HL7 Message** method allows you to send HL7 messages to an HL7 server.

## SAPB1 Component Enhancements

The locking limitation that prevented more than one SAPB1 step running at any given time has now been removed.

## Data Mapper Enhancements

A **Header Line** check box was added to the **Flat File** Destination properties dialog box. This allows you to create a flat file whose header is constructed from your selected delimiter field names.

When using the Data Mapper's **IFC Model** Destination, the **Always Create Nodes** check box is now unchecked by default.

## WMQ Component Additional Parameters

The **Disconnect On Close** parameter was added to the WMQ component's **Advanced Quick Get** and **Advanced Quick Send** methods.

## System i Trigger Enhancements

A new parameter, **Key length**, has been added to the **System i Trigger Configuration** dialog box.

## JD Edwards Connector Enhancements

It is now possible to use a keyword **[IBSPACE]** to pass a space value to a function when working with the JD Edwards connector.

## JMS Component Error Reporting Enhancements

The full error (stack trace) is now available in the **logs/java/stderr.log**.

## Migration Enhancements

The Migration utility was enhanced to perform mapping operations automatically during the migration process. Any issues resulting from these operations are now available in the migration log.

The Checker now reports an error for all Data Mapper steps or components with an XML interface that require attention after the migration.

## iBOLT V3.2 SP1 Fixed Problems

**919374** – Special characters were not supported in migrated database resource names.

**772447** – **Alpha**, **Time**, and **Date** variables were not surrounded by single quotes in the Data Mapper.

**972356** – The schema path of the calling flow's Data Mapper step was not visible when using XML position forwarding.

**798816** – It was not possible to concatenate data in the Data Mapper to variables if you wrote **<user variable> & <source node>**. However, it was possible if you wrote **<source node> & <user variable>**.

**917534** – A calculated value on a relocated node in the Data Mapper could not be changed.

**996170** – When using the Data Mapper, iBOLT hung when a nested IF function was used with a complex expression on a node level computation.

**719325** – The Directory Scanner's **Return Destination file name** contained trailing spaces.

**708424** – When the **Server Certification Validation** field was set to **No**, the FTP component always tried to validate the server certificate. It gave the following error: **Connection to requested FTP server could not be established**.

**588929** – When using the TCP Listener component, data was processed after the carriage return and not after the data transfer was finished.

**916831** – The MSSQL 2008 option was not available in the installation wizard.

**929229** – When using the Email component, the wrong default port was used for IMAP.

**993605** – In the Component SDK, changing the order of arguments was not handled properly.

**995862** - When using the Microsoft Excel component's **Cell** method with the **Get Value**, **Get Formula**, or **GetActiveRowColumn** options selected in the **Action** parameter, and you tried to create a new **Cell** method with the same parameter, iBOLT copied the previous method with the Value parameter's direction as **In** instead of **Out**.

**753710** – The Monitor's **Days to log** property was misnamed. It only governed the display and not the actual logging.

**785469** – When working with the **ODBC MySQL** database and the Data Mapper, data was rounded for the **FLOAT** and **DOUBLE** data types.

**984057** – When the Email trigger was used with an IMAP server, the status of mail that had already been read was changed to **Unread**.

**728599** – When installing iBOLT on a 64-bit machine, the correct 64-bit requester was not installed.

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