



iBOLT V3.1 Release Notes

Welcome to iBOLT V3.1, 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 V3.1. 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 V3.1 Certification

For information about the various platforms on which iBOLT V3.1 has been certified for operation by Magic Software Enterprises, refer to the [iBOLT V3 Certification](#) document.

Migrating from iBOLT V2.5 to iBOLT V3.1

iBOLT provides a wizard to easily migrate your project from iBOLT V2.5 to iBOLT V3.1. 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.

Make sure to perform the following actions after the migration process:

1. Open and review all Data Mapper steps in the mapping screen by clicking the **Map** button. Verify that all connections and expressions are still valid and click **OK** to save changes.

2. Open and review all steps where an XML interface was used to verify that all connections and expressions are still valid. Click **OK** to save changes.
3. Due to changes in schema locations, the following components require reconfiguration (click the **Configuration** button): SAP Business One, SAP R/3, Salesforce, JD Edwards, Notes DB. Click **OK** to save changes.

Upgrading from iBOLT V3 SP2 to iBOLT V3.1

iBOLT will automatically upgrade a project developed in iBOLT V3 SP2 to iBOLT V3.1. Make sure to manually copy your <Project> sub-directory to the new installation's **projects** directory.

Supported Internal Databases

iBOLT V3.1 supports the following internal databases:

- Oracle 9i (OCI 32-bit only)
- Oracle 10g (OCI 32-bit only)
- Microsoft® SQL Server 2000
- Microsoft® SQL Server 2005
- MySQL 5.x
- DB2 UDB 8
- DB2/400 V4.4 and above

New Features

Project Packager

The new iBOLT Project Packager lets you conveniently and easily bundle all relevant iBOLT project files and additional files used by the project in a .zip compressed file for subsequent extraction to a deployment environment.

LDAP Component

The new iBOLT LDAP (Lightweight Directory Access Protocol) connector lets you connect to an LDAP server to store and access attribute-based data in a hierarchical data structure.

Google Calendar Component

The Google® Calendar component provides connectivity (using the Method interface) between iBOLT and Google Calendar.

Dynamic Logging for Components

Control of the Logging option can now be performed dynamically using an environment variable or expression and also remotely from the iBOLT Monitor.

Resource/Service Repository Enhancements

- All mandatory properties are now displayed in bold type.
- A **Resource** button is now available in the Service Repository. Clicking this button brings you directly to the Resource Repository.

File Management Component Enhancements

A new method to create and manipulate folders in the LAN has been added.

Directory Scanner Component Enhancements

- The mask field has been expanded to 260 characters.
- Folder selection now supports expressions.
- The Return Filename To parameter was added to several methods.

FTP Component Enhancements

- FTP over SSL (FTPS) is now supported.

Salesforce Component Enhancements

- Attachments are now supported in replication methods.
- Object fields can now be set with Null values.

Email Component Enhancements

- SSL is now supported, enhancing the security of Gmail and similar POP3/SMTP services.
- Sending HTML MIME type email is now supported.
- Expressions in trigger filters are now supported.

SAPB1 Component

- User Defined Tables (UDT) can now be added and updated.
- The SAPB1 trigger table status can now be updated.

SAP A1 Component

The new SAP A1 connector supports the SAP All-in-One partner solution with the same interface as the existing SAP R/3 connector.

Notes DB Component Enhancements

The Notes DB component now supports the following:

- Attachments

- Querying and updating arrays of Alpha values
- Server APIs

Domino Component Enhancements

Server APIs are now supported.

Checker and Mapper Code Generation Optimization

The Checker and generate processes have been improved.

Data Mapper Enhancements

Null content in XML is now supported.

Model XML Validation

The ability to validate against an XML Mapper-built schema when an IFC Model is in the destination is now supported.

iBOLT Internal Database – Stronger Password

iBOLT is now installed with a stronger password for the user of its internal database.

File Splitter Component Enhancement

The component can now provide a comma-delimited list of the split files.

Change of Behavior

Next Step Evaluation Order

Next Step evaluation was changed from Step ID to left-to-right sibling visual order.

Flow Completion Behavior

An iBOLT flow now completes only after all parallel branches are finished.

Salesforce Error Handling

The iBOLT Salesforce component returns the errors in the Return section of the result XML and not as an iBOLT error, correcting previously inconsistent behavior.

SDK: uniPaaS Component

In order to regenerate the uniPaaS component, the user must now explicitly click the **Generate** button. Clicking the **OK** button only saves the new definitions in the iBOLT metadata.

Known Issues

- When upgrading directly from iBOLT V3.0 to iBOLT V3.1, you need to redefine the password fields in your resources.

- The **MaxNumberOfThreads** property in the Server settings is not saved correctly. You should set it manually by adding to the **ifs.ini** file:

```
[MAGIC_ENV]
MaxConcurrentRequests = <the Max number of threads>
```
- The reserved thread to stop the server is not always available.
- 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'
```
- When the checker finds an error in the GoTo condition, the MoveTo operation will jump to the GoTo destination step condition instead of the GoTo condition.

iBOLT V3.1 Fixed Problems

- 928811** – Update of Data Mapper XML elements with negative numeric values was not possible (they were changed to positive values).
- 722750** – Using the File2BLB function to read a file to a BLOB worked, but when using the File Management component, the file did not load.
- 752754** – The installation included an erroneous requester version in the Magic.ini file.
- 776196** – When using the Data Mapper with a database destination, sending table names in upper case was problematic if the database was case sensitive.
- 778476** – The iBOLT Monitor kept opening connections to the database and did not close them.
- 782925** – Defined Compound Level Computations in the Data Mapper service were deleted while creating and deleting a new destination in the **Source Destination Management** dialog box.
- 783531** – There was an incorrect XSD for SAP R/3 when trying to work with the ARTMAS05 IDOC.
- 799487** – The FTP component could not put files in a virtual folder in IIS FTP when the FTP Server (under IIS) had a virtual folder set.
- 800164** – iBOLT did not set the code page dynamically for sent WebSphere MQ messages.
- 909177** – Using the IFC Model Destination Append check box in the Data Mapper service resulted in a corrupted XML. When appending data to an existing XML, the new part was created but all the original XML was corrupted.

- 910388** – During installation, database logical names were not created when selecting to install the database later.
- 911608** – For the System i Connector, calling the MAGIC400/ADDMULDEC program returned the error Error 713: CPF0006 Errors occurred in command.
- 911971** – When migrating, the mapping condition was not copied to the update expression in the Compound Level Computation section.
- 917175** –When an eDeveloper component having an **ifs_services Invoke Flow** program was migrated, variables such as UserString, UserBlob and UserCode were lost, resulting in the component's logical failure.
- 918064** – Incorrect error flow behavior occurred when a multi-add operation in SBO generated an error.
- 919183** – When the connection to the network was lost, the Server / Studio was disconnected from the broker.
- 919595** – Data mapping of Unicode data from a database source to a flat file destination did not work.
- 934271** – The Data Mapper wizard failed to add single quotes around flow variables of Alpha type that were used in WHERE clauses.
- 939979** – While creating a new Version Control project in iBOLT, the following erroneous message was displayed: `Project already exists on the server. Try different project name.`, even though the project did not exist on the server.
- 941112** – iBOLT used the default numeric 12.4 picture format when mapping, requiring a manual change of the picture setting for each column.
- 959192** – When trying to create a directory with a Japanese name (Double byte) the customer got question marks for the named directory.
- 964517** –The **List to XML** and **XML execute** methods in the Microsoft Word component did not work.
- 983502** – In data mapping, the Single Instance filter always returned the first item.
- 984979** – When the child node had the same name as the parent node, it was not visible on the Mapper screen.
- 986899** – Select SQL statements having a WHERE clause with more than two AND operators failed to open the Mapper screen.
- 991371** – The UDSGetField function did not work in the Invoke Flow service.
- 995331** – When creating an Update on ProductTree, if no data was entered in the TreeCode node of the QueryParam, an error code was generated, but SAP B1 removed all lines from the document except the first.
- 997173** –The Data Mapper destination template crashed and failed to create the proper result file.
- 997201** – The Salesforce trigger was not able to retrieve records if multiple records had to be retrieved. The Salesforce trigger generated the error: `EXCEEDED_ID_LIMIT: retrieve id limit reached`.

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