

TO INCREASE 

Release Notes for Business Integration Solutions 10.0.28.44 for Microsoft Dynamics 365 Finance and Operations

Release Notes

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1. General

1.1 Purpose

This document describes the new releases of To-Increase Business Integration Solutions for Microsoft Dynamics 365 for Operations. Please read this document carefully before installing it. If you are interested in the practical how-to information, we provide on the To-Increase blog, you can follow the links we provide in some sections of the document. You find our blog at www.to-increase.com/blog/.

1.2 Audience

The document audiences are consultants and customer end-users.

1.3 Installation Notes

To install 'Business Integration Solutions' you need a valid license key. The following licenses are available:

- Business Integration Solutions
- Connectivity
- EDI
- MDM Master data management

1.4 Software Requirements

Business Integration Solutions components are released on the following kernel build. This means that this version installs on Update 10.0.19 and higher.

Version	Kernel build	Application version
Microsoft Dynamics 365 for Operations – Update 49	10.0.25.0	7.0.6316.36

1.5 Documentation

Help documentation for Business Integration Solutions is available at [Connectivity studio \(to-increase.com\)](http://Connectivity studio (to-increase.com)).

1.6 Support

In case of any question or query, please reach out to your Microsoft Partner or To-Increase directly. You can contact To-Increase via our support portal (<https://support.to-increase.com/ticsm>), or send an email to customeroperations@to-increase.com

1.7 Labels

This release is shipped with U.S. English labels. Please contact your Microsoft Dynamics Partner for labels in other languages.

2. Build changes

No changes.

3. Fixes/Changes

- CS00221415 | The validation rule BisEdiCheckItemCanBeConverted is not working. A new validation is added: BisEdiCheckSalesUnit
- CS00216303 | Need help with Generic staging validations setup. All validations where executed even the once which are not active.
- CS00221930 | General key for azure storage explorer connections. This is linked to the new functionality to store the secret at a central place
- CS00221840 | Some problems integrating data from a on premise SAP database. The database connection to ODBC failed in some case because the backend database does. This cased by the fact that a used SQL statement is not allowed in this database setup. Therefor the database added a new handler to avoid the use of this specific command. A new database handler is added . For the communication between d365Fo and on premise a new API is added . for this reason f the new handler is to be used also the new on premise code must be installed. Ask Support for the new code .
- CS00222045 | Lost of special characters during export to external DB through ODBC connection

Internal

- Service bus queue issues'.
 - Made the use of the topic versus queue more explicit. Now the type has to be selected and it is not the value of the subscription which determines if it is a queue or topic
 - Topic can be used without subscription but this will only apply for sending
 - Issue with the deadletter of the topic/subscription
- New handler for the inventory journal

4. Functionality New and Changed

4.1 Use key secret

A new option to handle the secrets used in the connection to the outside world. In the current solution all secrets are stored at the place where it is used. So, it is stored at the connector webservice application. However in a lot of cases the same secrets are used in many different places etc. This will lead to a lot of places where to change the secrets in case of a change.

New storage options.

The new option is based around the idea that the secrets are stored in one single place and the connectors etc. can use a reference to the central place to retrieve the actual secret. So instead of storing the secrets at the place of use a reference can be used. This will make the maintenance easier for us because any change in the secret will directly impact all applications.

Setup.

Initially the new setup is not visible on the forms; this needs to be setup in the BIS parameters. In the parameter there is an option to select what needs to be used.

Standard view ▾

Business integration solutions parameters

General Define the base settings for the deployment

Delete Reset Identity Test connection Export Import

IDENTIFIER

environment Id	Environment types	Description
<input type="text" value="{C1130549-8B4A-4908-BC7E-...}"/>	<input type="text" value="Development"/>	<input type="text" value="BIS-DUMMY-1"/>

ENVIRONMENT TYPE

Windows share

Operator name

Password

Display secret

- Secret
- Secret reference
- Both

The options are:

1. Secret. The current way of storing the secrets
2. Secret reference. The use must use the secret reference to select the secret
3. Both show both option on each form and the ser can choose what to us

Default option will be secret

Depending on this setup the forms will show secret, secrete reference or both for example

Connector | DEMO : 0 | Standard view ▾

example

General

Connector <input type="text" value="example"/>	Project <input type="text" value="demo"/>	Application <input type="text" value="D365Fo"/>	Connector type <input type="text" value="Windows folder"/>
--	---	---	--

Properties

PROPERTIES OF DEVELOPMENT

Share <input type="text"/>	User name <input type="text"/>	Password <input type="text"/>	Windows share secret reference <input type="text" value="mykeyvault test"/>
----------------------------	--------------------------------	-------------------------------	---

PROPERTIES

Working path <input type="text"/>	Archive path <input type="text"/>	Use company folders <input type="checkbox" value="No"/>
-----------------------------------	-----------------------------------	---

It is not possible to have both filled if the key vault is selected the original secret will be cleared and visa versa. However, both setups will still work even if one of the two are not show on the form

Encryption key in BIS parameters

In the Bis parameter an encryption key can be set and can be used for the import and export of the BIS data. This encryption key will also be used to store the secret encrypted. However, if the encryption key is changed this will led to major impact because the encrypted secrets cannot be decrypted anymore. For this reason, there is a change key option added this will update all secrets

- Decrypt with the old key
- Encrypt with the new key
- Store the changes.

Save ? BIS help Options

My view ▼

Business integration solutions parameters

General

Import and Export

Version management

Error handling

Setup the export and import of the configuration

Change encryption key Show encryption key

Export options Encryption key

All

Secret reference setup

The secret reference can be found in the setup/secrets.

Edit + New Delete Copy ? BIS help General Options

Filter

Secret reference

Secret reference	Description	Environment types	Expiring date	Key Vault	Certificate
mykeyvault test	testing keyvault	Development		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Key vault

Name

testing

Create a new secret just give it a

- Secret reference. Name of the secret reference
- Description. Short description.
- Environment type the Bis Environment type
- Expired date. This is only informative and will not be used in any logic /warning etc.
- Key vault whether the secret is stored in the azure key vault or in the d365Fo itself

- Certificate if the secret is a certificate or a (manual) secret.

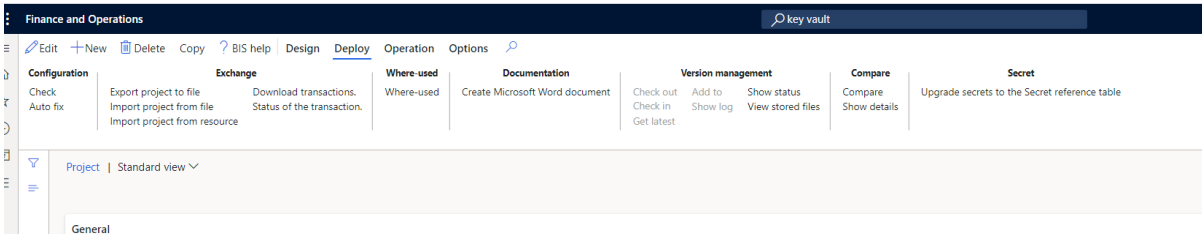
Depending on the key vault a certificate the form will show different set. If the key vault is enabled the reference in the D365Fo key vault line must be selected. If not enable the secret or certificate must enter in the secret reference.

The Secret reference is unique on Secret reference and the environment type. It can only be used in the appropriate environment setup.

Just simply select the secret reference in the appropriate places and it should work again

Upgrade older project

There is an option to migrate the current setup to the use of the secret reference. The upgrade is per project and can be found in the deploy action pane of the project



Selecting this it will take all the secrets and will create a new record in the Secret references. The logic behind the upgrade is:

try to find a secret with the same environment type with the same secret value. If this is the case reuse it otherwise create a new one. The secret reference name can be renamed later if needed.

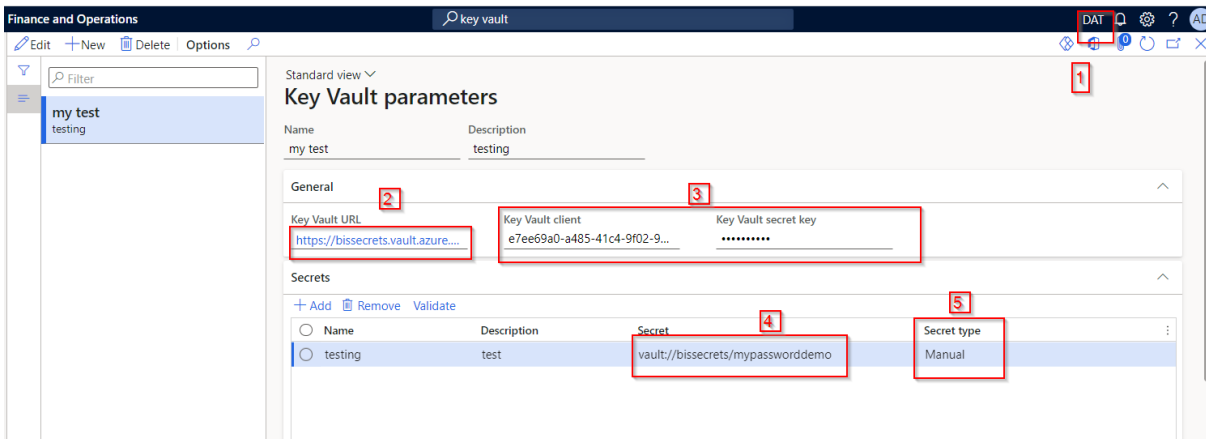
Take care if version management is blocking the project, it should be first checkout otherwise the changes may be lost.

If the secrets are created, you can export the secrets to a xml file and imported into other systems. The secrets in the xml file will be encrypted. Make sure the same encryption key is defined in the Bis parameter otherwise the data cannot be imported in other environments.

How to link to Azure key vault

First create or reuse an existing key vault in the azure portal. Add the secret to the azure key vault. Make sure there is an app registration present which is allowed to access the key vault.

Once the secret is added the d365FO key vault must be set. Because the D365Fo setup is company specific and the whole setup of BIS is not. This means you will need to set up the key vault in the DAT company.



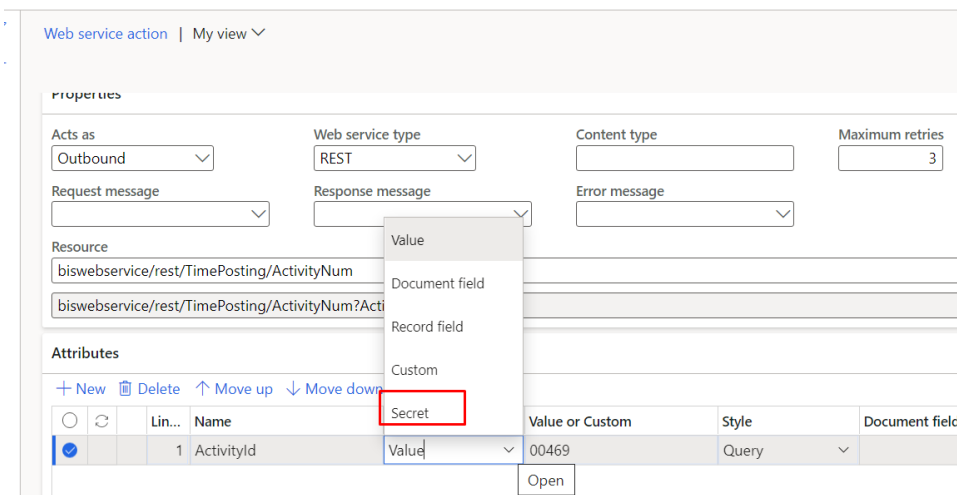
1. Move to the data company
2. Use the key value URL
3. Use the app registration and its secret to connect
4. Use the reference to the key vault secret
5. Select the correct type, manual or certificate

Use the option validate to check if the secret can be read.

Add the new secret to Secret reference and if the user is Administrator, he can use the show secret to verify if the secret is read correctly

Outbound Webservice

In the outbound webservice attributes can be added. In some cases those attributes are secrets but are stored as readable data in the form. Now it is also possible to select a secret reference, so the secret value is not visible only the secret reference

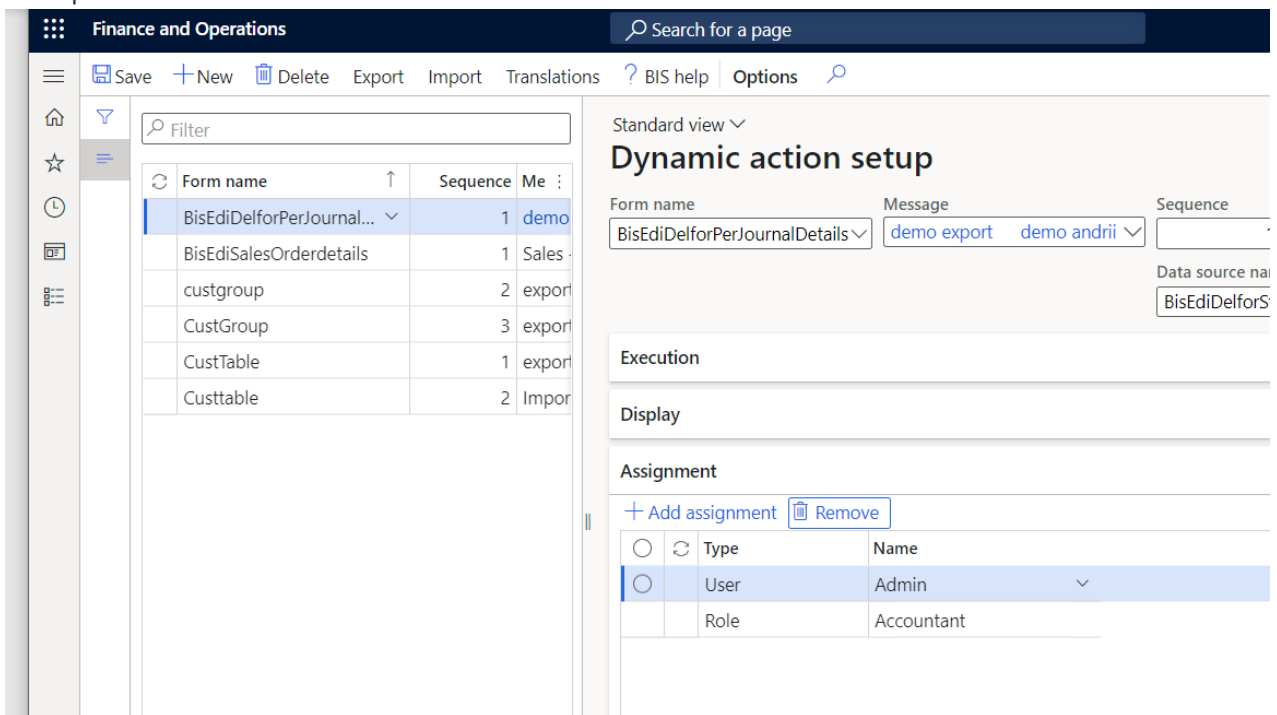


Remark:

Microsoft does force to use TLS1.2 and is not supporting TLS1.1 or older This may lead to issues on older dev and sand box environments.

4.2 Adding translation and security to Dynamic menu button

With the dynamic button it is possible to add a button a to form without any code. The action itself is linked to a specific action.



Assignment

In the current option it is not possible to restrict the access to this dynamic button.

With the new setting it is possible to restrict the use of the button based:

- User
- Team
- Role

Translations

The display label not language depended. With the new option, the labels can be linked to a language

4.3 Database handler

A new Database handler is added this handler will not use specific SQL statements so other database which support T-SQL will still be able to insert, update and read the data. To use this handler the on-premise windows service must be update with the latest code. If needed reach to support to receive the new binaries

5. Known issues

5.1 An issue with the form mapping recorder

When starting the recorder for the form mapping a fatal error can occur. This mainly happens if the message is opened via the workspace of BIS. If the message is opened via the BIS menu the error does not occur.

5.2 D365 new grid functionality affects navigation between our forms

Remark: **The AS2 Option in the webservice setup is obsolete. Use the new AS2 app t send and retrieve the data to TIE kinetics. Contact To-Increase to retrieve the app installer and manual**

Microsoft has introduced a new grid control, currently in public preview (feature management), and will be made generally available in future releases. We are currently testing new control and found a few issues which are reported to Microsoft. Once the feature is enabled at the customer end and in case of any issues kindly report to Microsoft. If the issue is related to To-Increase solutions kindly report it to us as well.

5.3 AS2 not able to send UTF8 format

This option will be replaced by the new App service which can send and receive data.

Due to a mismatch with third party DLL, which are also added by Microsoft, the sending of encrypted data is done in Unicode and not in UTF8 format. To send the correct encoding a newer version is needed.

5.4 Delivered models

The solution has four models. All four models need to be installed. The models are

1. Business Integration Labels. Contains only the labels of BIS and MDM

2. Business Integration Licenses. Contains the To-Increase certificate. Do not confuse this with the licenses to activate the BIS components.
3. Business Integration. Contains the logic for Connectivity and EDI
4. Business Integration MDM. Contains the logic for Master Data Management.

The solution contains the deployable package and the code of three models. The code of the model 'Business Integration Licenses' is not delivered. If for some reason BIS code is needed, the best practice is

1. Install the Deployable package.
2. Install the Code of the three models.

5.5 Feature management

Microsoft is continuously adding new features in the application directly and via Feature Management. Sometimes these are public previews and will be made generally available in future releases, in other cases, they are already generally available, and you have the choice to activate them. Currently, we are not testing compatibility with all new features or combinations. Once a feature is enabled in the customer environment and any issues or questions related to new standard features and our solutions emerge, kindly contact us via To-Increase support.