d.velop connect for Microsoft Dynamics 365 Business Central: Administrator

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1. d.velop connect for Microsoft Dynamics 365 Business Central: Administrator

1.1. Basic information about the application

This chapter contains general product information.

1.1.1. About d.velop connect for Microsoft Dynamics 365

d.velop connect for Microsoft Dynamics 365 creates a seamless connection between your ERP system and the digital archive systems of d.velop AG that features an exchange of information in both directions. As a result of the integration of the ECM system, all outbound documents printed in Microsoft Dynamics 365 are automatically stored in the central information management function. That means the documents are also available outside of the ERP system. This component forms only the adapter for d.velop cloud and works together with interfaces from Microsoft Dynamics 365.

1.2. Installing and uninstalling

This chapter contains information on the installation of d.velop connect for Microsoft Dynamics 365.

1.2.1. System requirements

Supported systems

- Microsoft Dynamics 365 Business Central (AL)
  As of version 15 with the AL architecture, the versions of the Microsoft One Version strategy are supported.
- Microsoft Dynamics 365 Business Central (C/Side)
  The versions of Microsoft Navision 2013 - Microsoft Business Central Version 14 are supported.

Operating mode

Install d.velop connect for Microsoft Dynamics 365 in the same location as the ERP system. If you operate the ERP system in the cloud, you must also operate d.velop connect for Microsoft Dynamics 365 in the cloud. If you operate the ERP system locally (on-premises), you must also install and operate d.velop connect for Microsoft Dynamics 365 locally.

1.2.2. Installing d.velop connect for Microsoft Dynamics 365

This chapter contains details about the installation of d.velop connect for Microsoft Dynamics 365. Information on download and installation are available in the software from d.velop and Microsoft.

Installation in your d.velop tenant

You want to install d.velop connect for Microsoft Dynamics 365 in your d.velop cloud tenant.

This is how it works

1. Click on the feature **Subscribe App** on the start screen of your d.velop cloud tenant.
2. Search for **d.velop connect for Microsoft Dynamics 365** and select the entry.
3. Click the button **Book now**.
4. Follow the configuration assistant.
5. Confirm the deployment by choosing **Subscribe for a fee**.

You have successfully deployed d.velop connect for Microsoft Dynamics 365 in your tenant. The app should now appear as a configuration area in the feature **Configuration** for your tenant.

Downloading the installation package

You can find the latest installation package for download in the d.velop connect for Microsoft Dynamics 365 app in your d.velop cloud tenant.

This is how it works

1. On the home page of your d.velop cloud tenant, click **Configuration**.
2. Navigate to **Microsoft Dynamics 365 > integration package**.
3. Download the package for the desired Microsoft Dynamics 365 product.

> **Important**
>
> For customers who want to update, the following is important:
>
> If there was a critical change to the update, you must confirm that you have taken note of it.
>
> If you perform the update and ignore the warnings about critical changes, certain functions may no longer work as usual.

1.2.3. Uninstalling d.velop connect for Microsoft Dynamics 365

You can remove d.velop connect for Microsoft Dynamics 365 from your d.velop cloud tenant. The configurations you have made to date will be lost if you remove the app and unsubscribe from it.

This is how it works

1. Click the feature **d.velop cloud management** on the start page in your d.velop cloud tenant.
2. Select the organization from which you would like to remove the app.
3. Click **Edit tenant**.
4. Click **d.velop connect for Microsoft Dynamics 365 > Unsubscribe app**.
5. Confirm that you want to unsubscribe from the app.

You have successfully unsubscribed from the app d.velop connect for Microsoft Dynamics 365 and removed it from your tenant.

1.3. Configuring of d.velop connect for Microsoft Dynamics 365 (Business Central)

This chapter contains information on configuring d.velop connect for Microsoft Dynamics 365.

1.3.1. Connecting your Business Central environment (cloud) to the d.velop cloud

To connect your BC system to d.velop smart invoice Accounts Payable automation, proceed as follows. The document storage scenario and dossier integration are set up using the ecm smart connect configuration and are not part of these instructions.

This is how it works – configuring the BC system

1. Open https://portal.azure.com/
2. Open Azure Active Directory.
3. Open **App registrations**.
4. Click **New registration**.
5. Enter a suitable name (e.g. d.velop connect for Dynamics 365 BC Cloud).
6. For **Redirect URI**, select **"Web"** and enter the domain of your d.velop instance with the addition of **/d365adapter/oauth2/token** (e.g. https://demo-environment.d-velop.cloud/d365adapter/oauth2/token).

7. Click **Register**.
8. Open **Certificates & secrets**.
9. Click **New client secret**.
10. Enter the data for the new client secret and then click **Add**.
11. Note down the code under **Value**; this is your client secret.
12. Open **Overview** and note down the following information there:
    a. Application ID (client) as the client ID
    b. Directory ID (tenant) as the tenant ID
13. Open **API permissions** and add the permissions for **Dynamics 365 Business Central**.
14. Choose **Delegated permissions** and add the necessary permissions.
15. Enable the following pages in BC in the Web services. The service name must be exactly the same as in the table below and must not be changed:

Page	Object name	Service name
1	Company data	CompanyData
26	Vendor card	Vendors
5	Currency	Currency
536	Dimensions	Dimension
537	Dimension values	Dimensionvalues
17	G/L account card	G_L_Account
31	Item	Item
5600	Asset card	Fixed_Asset
5800	Item charges	Item_Charge
425	Vendor bank account card	Vendor_Bank_Account
4	Payment terms	Payment_Terms
472	VAT posting matrix setup	VAT_Posting_Setup
118	Financial accounting setup	General_Ledger_Setup
54	Purchase order rows	Purchase_Order
50	Purchase order	Purchase_Order_Head
76	Resource card	Resource
89	Job list	Project_Head
1001	Job task lines subform	Project
2670	Allocation accounts	Allocation_Account
5116	Purchaser	Purchaser
5461141 or 5461167	Posted Purchase Receipts	Purchase_Receipt_Head
5461142	Posted Purchase Receipts Lines	Purchase_Receipt

Note
Pages 5461141, 5461142, and 5461167 are only available after installing Konica Minolta Invoice Cockpit. When page 5461167 is published, only goods receipts that have not yet been posted are transferred to d.velop smart invoice.

1.3.2. Configuring the d.velop connect for Dynamics 365 (Cloud) adapter

Within the d.velop connect for Dynamics 365 (Cloud) adapter, you can configure the settings either using the setup wizard or the classic manual method.

Configuring using the setup wizard – Here's how it works

1. On the start page, open the page **Configuration** of your d.velop cloud tenant with an authorized user.
2. Navigate to **Settings for Microsoft Dynamics 365 > Connection Data**.

3. Click on **Start Setup**.
4. Select the icon for **Microsoft Dynamics 365 BC / NAV**.
5. Select **Invoice Processing (Cloud)** as the application scenario.
6. Give the connection a descriptive name.
7. Enter the name of the environment as the **Business Central environment**, e.g., Production.
8. Enter the noted directory ID as the **tenant ID**.
9. Enter the noted application ID as the **client ID**.
10. Enter the password you noted down as the **client key**.
11. Enter the bucket ID under **d.velop smart invoice information**.
12. After clicking **Continue**, an overview of the entered data is displayed.
13. When you click **Create**, everything for invoice processing is created in the background.
14. Click **Sign in with a Microsoft account** and enter the user data of the service user to be used for the connection.
15. If the login was successful, the window closes automatically and displays the following message: **The connection with the specified user account was successful**.
16. Select one or more BC clients under **Company**. The master data will only be synchronized for these clients. If you leave this field blank, the master data will be synchronized for all clients.
17. Click **Save**.

You have now successfully connected your Dynamics NAV/BC system to the d.velop connect for Dynamics 365 adapter.

Manually configuring a connection – This is how it works

1. On the start page, open the page **Configuration** of your d.velop cloud tenant with an authorized user.
2. Navigate to **Settings for Microsoft Dynamics 365 > Connection Data**.
3. Click on the tool icon (**New Connection**).
4. Enter a descriptive name.
5. When selecting the environment type, choose **Microsoft Dynamics 365 Business Central Cloud**.
6. Enter the name of the environment as the Business Central environment, e.g., Production.
7. Enter the noted directory ID as the **tenant ID**.
8. Enter the noted application ID as the **client ID**.
9. Enter the password you noted down as the **client key**.
10. Enter the bucket ID under **d.velop smart invoice information**.
11. Click **Save**.
12. Click **Sign in with a Microsoft account** and enter the user data of the service user to be used for the connection.
13. If the login was successful, the window closes automatically and displays the following message: **The connection with the specified user account was successful**.
14. Select one or more BC clients under **Company**. The master data will only be synchronized for these clients. If you leave this field blank, the master data will be synchronized for all clients.
15. Click **Save**.

You have now successfully connected your Dynamics NAV/BC system to the d.velop connect for Dynamics 365 adapter.

1.3.3. Connecting your Business Central environment (on-premises) to the d.velop cloud

To connect your NAV/BC system to d.velop smart invoice Accounts Payable automation, proceed as follows. The document storage scenario and dossier integration are set up using the d.link for MS Dynamics NAV configuration and are not part of these instructions.

This is how it works – configuring the NAV/BC system

1. Create an AD user in NAV/BC that has the appropriate rights for the master data and invoice monitor.
2. Define the following parameters via the Business Central Admin Shell:
   - Set-NAVServerConfiguration -ServerInstance "<INSTANCE_ID>" -KeyName "DisableWriteInside-TryFunctions" -KeyValue "false"
   - Set-NAVServerConfiguration -ServerInstance "<INSTANCE_ID>" -KeyName "ApiServicesEnabled" -KeyValue "true"
   - Set-NAVServerConfiguration -ServerInstance "<INSTANCE_ID>" -KeyName "ODataServicesEnabled" -KeyValue "true"
   - Set-NAVServerConfiguration -ServerInstance "<INSTANCE_ID>" -KeyName "ServicesUseNTLMAuthentication" -KeyValue "true"
3. Activate the following pages in NAV/BC in the Web services. The service name must be exactly the same as in the table below and must not be changed:

Page	Object name	Service name
4	Payment terms	Payment_Terms
5	Currency	Currency
17	G/L account card	G_L_Account
26	Vendor card	Vendors
31	Item	Item
50	Purchase order	Purchase_Order_Head
54	Purchase order rows	Purchase_Order
76	Resource card	Resource
89	Job list	Project_Head
136 or 5461141	Posted Purchase Receipts	Purchase_Receipt_Head
137 or 5461142	Posted Purchase Receipts Lines	Purchase_Receipt
118	Financial accounting setup	General_Ledger_Setup
425	Vendor bank account card	Vendor_Bank_Account
472	VAT posting matrix setup	VAT_Posting_Setup
536	Dimensions	Dimension
537	Dimension values	Dimensionvalues
1001	Job task lines subform	Project
2670	Allocation accounts	Allocation_Account
5116	Purchaser	Purchaser
5473 or 1	Company data	CompanyData
5600	Fixed asset	Fixed_Asset
5800	Item charges	Item_Charge
5158286	WSParkedInvoice	InvCptWSDocumentCard

- Page 2670 is available as of version 23 of Microsoft Dynamics 365 Business Central. You cannot share the page as a web service in older versions of NAV/BC.
- Page 2670 is available as of version 23 of Microsoft Dynamics 365 Business Central. You cannot release the page as a web service for older NAV/BC versions.
- Pages 5461141 and 5461167 are only available when installing invoice cockpit for BC AL (Business Central greater than version 15). When page 5461167 is published, only goods receipts that have not yet been posted are transferred to d.velop smart invoice.
- Page 5461142 is only available if the invoice monitor for BC AL (Business Central version 15 or higher) is installed.

1.3.4. Configuring the d.velop connect for Dynamics 365 (On-Premises) adapter

Within the d.velop connect for Dynamics 365 (On-Premises) adapter, you can configure the system either using the setup assistant or the manual method.

This is how it works – Configuring with the setup assistant

1. On the start page, open the page **Configuration** of your d.velop cloud tenant with an authorized user.
2. Navigate to **Settings for Microsoft Dynamics 365 > Connection Data**.
3. Click on **Start configuration**.
4. Select the icon for **Microsoft Dynamics 365 BC / NAV.**
5. Select **Invoice Processing (On-Premises)** for the **application scenario**.
6. Click on **Continue**.
7. Give the connection a descriptive name.
8. Enter the URL including ODataV4 under **API endpoint**, e.g., http://127.0.0.1:1234/BC140/ODataV4.
9. Under **User name**, enter the AD user created above in the format Domain\Username, who has permission to read master data in NAV.
10. Enter the password.
11. Under **d.velop smart invoice information** you can enter the Buckt-ID.
12. After clicking **Continue**, an overview of the entered data is displayed.
13. When you click **Create**, everything for invoice processing (on-premises) is created in the background.
14. If you are using d.velop connect for Microsoft Dynamics 365 Business Central version 15 or higher, activate the **Enable Business Central AL support parameter** under **Advanced settings > Business Central AL**.

Notice

If this parameter is not visible to you, you probably selected **(Cloud)** instead of **(On-Premises)** under **Application Scenario Invoice Processing**.

15. Use **Test Connection** to check whether the systems can communicate with each other.
16. Under **Companies**, select one or more d.velop connect for Microsoft Dynamics 365 Business Central tenants. The master data will only be synchronized for these tenants. If you leave this field blank, the master data will be synchronized for all tenants.
17. Click on **Save**.

You have now successfully connected your Dynamics NAV/BC system to the d.velop connect for Dynamics 365 adapter.

This is how it works – Configuring the connection manually

1. On the start page, open the page **Configuration** of your d.velop cloud tenant with an authorized user.
2. Navigate to **Settings for Microsoft Dynamics 365 > Connection Data**.
3. Click on the tool icon (**New Connection**).
4. Give the connection a descriptive name.
5. Select **Microsoft Dynamics NAV / BusinessCentral On-Premises** as the integration.
6. Enter the URL including ODataV4 under **API endpoint**, e.g., http://127.0.0.1:1234/BC140/ODataV4.
7. Under **User name**, enter the AD user created above in the format Domain\Username, who has permission to read master data in NAV.
8. Enter the password.
9. You can enter the bucket ID under **d.velop smart invoice information**.
10. Click **Save**. The connection will now be created.
11. If you are using d.velop connect for Microsoft Dynamics 365 Business Central version 15 or higher, activate the **Enable Business Central AL support** parameter under **Advanced settings > Business Central AL**.

Notice

If this parameter is not visible to you, you probably selected **(Cloud)** instead of **(On-Premises)** under **Application Scenario Invoice Processing**.

12. Use **Test Connection** to check whether the systems can communicate with each other.
13. Under **Companies**, select one or more d.velop connect for Microsoft Dynamics 365 Business Central tenants. The master data will only be synchronized for these tenants. If you leave this field blank, the master data will be synchronized for all tenants.
14. Click on **Save**.

You have now successfully connected your Dynamics NAV/BC system to the d.velop connect for Dynamics 365 adapter.

1.3.5. Configuring document types

This chapter contains information on the creation and configuration of document types.

Configuring document types

You can configure document types in order to inform the d.velop cloud platform about which documents and metadata are supplied from a Microsoft Dynamics 365 system. This source information is used, for example, in later field assignments for storing documents in a d.3 DMS or in Microsoft SharePoint Online.

The document types are provided automatically if you have created the connection from integration components from d.velop AG for Microsoft Dynamics 365 Finance and Microsoft Dynamics 365 Sales and have also configured the appropriate backward communication. In this case, you do not need to configure the document types manually. Document types activated for exports in Microsoft Dynamics 365 are automatically provisioned in your d.velop cloud tenant for later field assignments. The manual contains additional information about this.

This is how it works

1. Click **Configuration** on the start page in your d.velop cloud tenant.
2. Go to **Settings for Microsoft Dynamics 365 > Document types**.
3. Click the download icon to download an example configuration.
4. Modify the example configuration to configure the desired document types.
5. Click the upload icon and select your configuration.

You have now created a document type that is available as a possible source in additional adapters of the d.velop cloud platform.

Example configuration

JSON

```
[{
    "id": "SalesOrder",
    "displayName": "SalesOrder",
    "attributes": [{
        "id": "Id",
        "displayName": "ID"
    }, {
        "id": "CompanyName",
        "displayName": "Company Name"
    }, {
        "id": "CompanyNumber",
        "displayName": "Company Number"
```

```
    }, {
        "id": "CustomerName",
        "displayName": "Customer Name"
    }, {
        "id": "CustomerNumber",
        "displayName": "Customer Number"
    }, {
        "id": "SalesOrderNumber",
        "displayName": "Sales Order Number"
    }]
}, {
    "id": "SalesOrderConfirmation",
    "displayName": "Sales Order Confirmation",
    "attributes": [{
        "id": "Id",
        "displayName": "ID"
    }, {
        "id": "CompanyName",
        "displayName": "Company Name"
    }, {
        "id": "CompanyNumber",
        "displayName": "Company Number"
    }, {
        "id": "CustomerName",
        "displayName": "Customer Name"
    }, {
        "id": "CustomerNumber",
        "displayName": "Customer Number"
    }, {
        "id": "SalesOrderConfirmationNumber",
        "displayName": "Sales Order Confirmation Number"
    }]
}]
```


Structure of a JSON object

Key	Value
ID	Internal ID of the document type
displayName	Designation with which the document type appears in additional configuration dialogs.
attributes	Attributes that further describe this document type and its possible metadata.
attributes:id	Internal ID of the field. The supplying system uses this very key during the transfer.
attributes:displayName	Designation with which this field appears in additional configuration dialogs.

Customizing document types

You can customize existing document types.

Please check whether additional configurations are dependent on this document type, such as the assignments for document storage in a d.3 repository or the assignments in the app d.velop connect for Microsoft SharePoint.

This is how it works

1. Click **Configuration** in the start area of your d.velop cloud tenant.
2. Go to **Settings for Microsoft Dynamics 365 > Document types**.
3. Click the download symbol to download the current configuration as a JSON file.

4. Modify the configuration to create new desired document types or modify existing document types.
5. Click the upload symbol and select the configuration you just created.

You have now modified an existing document type. Your changes are visible right away.

Deleting document types

You have the option of deleting document types that have already been created.

Please check whether additional configurations are dependent on this document type, such as the assignments for document storage in a d.3 repository or the assignments in the app d.velop connect for Microsoft SharePoint.

This is how it works

1. Click **Configuration** in the start area of your d.velop cloud tenant.
2. Go to **Settings for Microsoft Dynamics 365 > Document types**.
3. Click the download icon to download the current configuration as a JSON file.
4. Modify the configuration to remove the desired document type.
5. Click the upload icon and select your configuration.

You have now removed an existing document type. Your changes are visible immediately.

1.3.6. Creating an export system

This chapter describes how to successfully create and connect an export system.

Set up the export system with the setup assistant

Set up the export system with the setup assistant

When creating a connection for Microsoft Dynamics 365 BC / NAV using the setup wizard, an export system is required for the document archiving application scenario.

This is how it works

1. On the home page of your d.velop cloud tenant, click **Configuration**.
2. Navigate to **Settings for Microsoft Dynamics 365 > Connection Data**.
3. Click on **Start configuration**.
4. Select the icon for **Microsoft Dynamics 365 BC / NAV**.
5. Select **Document Archiving** under Application Scenario.
6. Click on **Continue**.
7. Give the export system a descriptive name.
8. Choose a system for the export system.
9. Choose a repository, which you configured under the system.

You have successfully set up an export system.

Manual setup of an export system

Manual setup of an export system

When creating a connection manually, you have the option of specifying the export system manually.

This is how it works

1. On the home page of your d.velop cloud tenant, click **Configuration**.
2. Navigate to **Settings for Microsoft Dynamics 365 > Connection Data**.
3. Click on the tool icon (**New Connection**).
4. Under **Information on connection data > Target system for document storage**, you will find the settings for the export system and the repository.

5. If a system is missing, click on the refresh arrow next to **Export Systems**. This will collect the data again.
6. Click on **Save**.

You have successfully set up an export system.

Automatic basic setup

Automatic basic setup

The basic setup takes care of several configuration steps, saving you a lot of work. These include:

- Document types in d.velop connect for Microsoft Dynamics 365
- Properties, categories, and file plan in d.velop documents
- Mappings
  These configurations are tailored to the standard file plan and therefore comply with the ECM smart connect standard in Business Central.

> **Important**
>
> This function is only available if the following conditions are met:
>
> - d.velop connect für Microsoft Dynamics 365 wird in der Cloud betrieben.
> - The export system d.velop documents is in the cloud.

1.3.7. Configuring export systems

This chapter contains information about creation and configuration of forms.

Customizing an export system

You can customize an existing target system.

This is how it works

1. Click **Configuration** on the start page in your d.velop cloud tenant.
2. Go to **Microsoft Dynamics 365 > Connection data**.
3. Click on the required connection.
4. Under **Information about the connection data > Target system for the storage of documents**, you can find the settings for the **Export system** and the **Repository**.
5. If a system is missing, click the update arrow at **Export system**. This fetches the data again.
6. Click **Save** to finish.

You have successfully changed your target system for the storage of documents.

Removing the use of an export system

You can delete an existing target system.

This is how it works

1. Click **Configuration** on the start page in your d.velop cloud tenant.
2. Go to **Microsoft Dynamics 365 > Connection data**.
3. Select the required connection.
4. Navigate to **Information about the connection data > Target system for the storage of documents > Export system**.
5. Select **Without export system** from the drop-down menu.

You have successfully deleted the existing target system.

1.3.8. Configure in connection with d.velop invoices

d.velop connect for Microsoft Dynamics can be used with d.velop invoices. This chapter contains additional information, e.g. on master data synchronization or invoice transfer.

Configuring invoice transfer

You can transfer invoices from the invoice workflow in d.velop smart invoice to your Dynamics NAV/BC system via the d.velop connect for Dynamics 365 adapter.

This is how it works

1. Go to the d.velop smart invoice administration interface.
2. Click **Workflow structure** and select the relevant workflow.
3. Click **Steps** and perform the points below for each step. The aim is to transfer invoice data to the Dynamics NAV/BC system after each complete workflow step.
4. Select a step.
5. Choose **Actions**.
6. Add a new action and a descriptive name for the action.
7. Click **New connection**.
8. Provide a descriptive name for the connection as well and select the integration created earlier with the type **d.velop connect for Microsoft Dynamics 365** under **Run Export**. You entered the name for it already under **Integrations**. You can find more information in the chapter on connecting systems.
9. Choose **Update** to confirm this action.
10. Choose **Save Workflow** to confirm the change.

You have now successfully configured the transfer of invoice data to your Dynamics NAV/BC system.

> **Note**
> To post to the **Resource** posting type in NAV/BC, this posting type must be set up in the invoice monitor in NAV/BC beforehand. If the posting type has not been set up, you cannot post to the **Resource** posting type.

Configuring master data synchronization

You can connect d.velop smart invoice to your Microsoft Dynamics NAV/BC system to synchronize master data and transfer invoice objects.

This is how it works – master data synchronization

1. Go to the d.velop smart invoice administration interface.
2. Click **Buckets** and **New bucket** to create a new data bucket for the NAV master data.
3. Now go to **Workflow structure** and select the relevant workflow.
4. Click **Integrations**.
5. Click **Add a new one** and select **d.velop connect for Microsoft Dynamics 365**.
6. Enter a descriptive title.
7. As the bucket, select the bucket that you just created.
8. Activate **Use** and **Sync active**.
9. Choose **Add** to confirm this integration.
10. Click **Add a new one** and then select **Bucket**.
11. Select the bucket you created earlier and enter the dimensions in **Custom dimensions for line item fields**. Use the following order:

Note

Custom1 = value of the first dimension, e.g. cost center

Custom2 = value of the second dimension, e.g. cost unit

Custom3 = value of the third dimension

12. Choose **Update** to confirm the change.

You have now successfully set up synchronization of the master data and Finance dimensions.

You still have to adapt d.velop smart invoice with regard to the account assignment columns. You can hide the **Cost center** and **Cost unit** fields because these fields are now mapped by the new fields Custom 1 to 8. You can add these fields as new columns as required.

Specifically, the following custom fields are populated by the connector at item level as follows:

Field	Value	Description
Custom1	Shortcutdimensionscode1	Dimension 1 from NAV/BC
Custom2	Shortcutdimensionscode2	Dimension 2 from NAV/BC
Custom3	Shortcutdimensionscode3	Dimension 3 from NAV/BC
Custom4	Shortcutdimensionscode4	Dimension 4 from NAV/BC
Custom5	Shortcutdimensionscode5	Dimension 5 from NAV/BC
Custom6	Shortcutdimensionscode6	Dimension 6 from NAV/BC
Custom7	Shortcutdimensionscode7	Dimension 7 from NAV/BC
Custom8	Shortcutdimensionscode8	Dimension 8 from NAV/BC
Custom15	Allocation_Account	Allocation account posting
Custom16	Artikel	Item posting
Custom17	Job_No	Transfer of project number
Custom18	Job_Task_No	Transfer of project task number
Custom19	Item_Charge	Charge (item) posting
Custom20	FIXED_ASSET	Fixed Asset posting

1.3.9. Advanced settings

You can configure additional settings for the connection data under **Advanced settings**. The settings are split into the following categories:

- **Master data synchronization**
- **Business Central AL**
- **Invoice transfer**

You can activate and deactivate the settings.

This is how it works

1. On the home page of your d.velop software environment, click **Configuration**.
2. Navigate to **Microsoft Dynamics 365** and click **Connection data**.
3. Select a Microsoft Dynamics 365 entry.
4. Go to **Advanced settings**.
5. Click on the expandable area for the relevant category to open all the settings for the category.
6. Click the switch for a setting to activate or deactivate the setting.
7. Click **Save**.

You have successfully activated or deactivated the setting.

Settings under "Master data synchronization"

Ignore errors while synchronizing master data

If you activate this setting, errors during master data synchronization are not returned as errors, but with the status **OK**. Only activate this setting if the customer cannot provide all the required master data as web services.

Do not synchronize locked data

By default, all data records, including locked ones, are transferred to d.velop smart invoice. If you activate this setting, blocked data records, such as blocked general ledger accounts, are no longer transferred to d.velop smart invoice.

Synchronize blocked creditors

By default, blocked creditors are not transferred to d.velop smart invoice. If you activate this setting, blocked creditors are also transferred to d.velop smart invoice.

Synchronize fixed asset

If you activate this setting, fixed asset accounts are transferred to d.velop smart invoice. In d.velop smart invoice, these fixed asset accounts are provided as additional dimensions in the bucket and must be assigned to the field **Custom 20** in the line item data.

Synchronize charge (Item)

If you activate this setting, the **charge (item)** posting type is also transferred to d.velop smart invoice. In d.velop smart invoice, this posting type is provided as a additional dimension in the bucket and must be assigned to the field **Custom 19** in the line item data.

In addition, the charges are synchronized with the appropriate bucket for the charge types in d.velop smart invoice. With the invoice monitor in C/SIDE architecture, the function for allocating the charges at item level in d.velop smart invoice is unavailable because this data is not transferred to the invoice monitor with C/SIDE architecture.

Synchronize allocation accounts

If you activate this setting, allocation accounts are transferred to d.velop smart invoice. In d.velop smart invoice, these allocation accounts are provided as additional dimensions in the bucket and must be mapped to the field **Custom 15** in the line item data.

Synchronize projects

If you activate this setting, the project number and project task number are transferred to d.velop smart invoice. In d.velop smart invoice, these numbers are provided as additional dimensions in the bucket and must be mapped to the fields **Custom 17** (project number) and **Custom 18** (project task number) in the line item data.

Page 1 for client data

If you activate this setting, page 1 will be used instead of page 5473 for transferring the client information to d.velop smart invoice.

> **Note**
> This setting is only available in the on-premises deployment of Microsoft Dynamics 365 Business Central.

Synchronization in English

If you activate this setting, the keywords for synchronizing the master data and for transferring invoices are carried out in English instead of German.

> **Note**
> This setting is only available in the on-premises deployment of Microsoft Dynamics 365 Business Central.

Synchronize goods receipts

If you activate this setting, the goods receipts (booked delivery bills) are also transferred from NAV/ Business Central to d.velop smart invoice.

If you use Business Central AL with the Konica Minolta Invoice Monitor, you can release pages 5461141 and 5461142 instead of pages 136 and 137.

Otherwise, you must add the following fields to Page 137 (Posted Purchase Rcpt. Subform) in Microsoft Dynamics 365 Business Central so that the master data can be synchronized successfully:

- **Order Line No.**
- **Order No.**
- **Buy-from Vendor No.**

Do not synchronize order lines

If you activate this setting, only order lines that have a reference to a number will be synchronized. A reference may be a G/L account or an item, for example. Lines with comments will no longer be transferred to d.velop smart invoice.

Use VAT calculation type

Activating this option will set the VAT to 0 if the VAT calculation type is set to income taxation and the profit and income tax account is filled.

If you deactivate this setting, the VAT is always set to 0 if the profit and income tax account is filled.

Use company name from company page

By default, the value of the **DisplayName** property is used for the company name. The value is determined with **/companies<my ID> <name>**. With this setting, you can override this behavior so that the value of the **DisplayName** property is determined with **/companies<my ID>/companyInformation <DisplayName>**.

Select custom fields for header data

To provide additional custom values from NAV/Business Central to users in d.velop smart invoice, you can add additional custom values.

In Microsoft Dynamics 365 NAV/Business Central, publish these master data pages as web services with the following service name: **SI_Custom_H_<custom field no.>**, e.g.: **SI_Custom_H_2** for custom field 2.

In addition, the web service must contain the following values:

Value	Description	Type
No or **Code**	ID of the field	String
Description	Description of the field	String

> **Note**
> The **Code** field is available for d.velop connect for Microsoft Dynamics 365 1.17.0. In previous versions only **No** is possible.

Select custom fields for line item data

To provide users with additional values from Microsoft Dynamics 365 NAV/Business Central in d.velop smart invoice, you can add additional custom values.

In Microsoft Dynamics 365 NAV/Business Central, publish these master data pages as web services with the following service name: **SI_Custom_P_<custom field number>**, e.g. **SI_Custom_P_10** for custom field 10.

In addition, the web service must contain the following values:

Value	Description	Type
No or **Code**	ID of the field	String
Description	Description of the field	String

> **Note**
> The **Code** field is available from d.velop connect for Microsoft Dynamics 365 1.17.0. In previous versions only **No** is possible.

Period for the synchronization of orders

All the purchase orders are synchronized between NAV/Business Central and d.velop invoices by default. Under some circumstances, these purchase orders may go far back into the past and may therefore overburden the system. To take only the necessary purchase orders into account, you can use this parameter to include only purchase orders with a specific interval starting from the current date.

The following intervals are available:

- **6 months**
- **12 months**
- **18 months**
- **24 months**

The **All** property is selected by default so that all purchase orders are synchronized regardless of the purchase order date.

Use posting date instead of document date

By default, the document date is used as the date for synchronization with d.velop smart invoice. With this setting you can use the posting date instead of the document date for the synchronization with d.velop smart invoice. If you use Navision 2018 or ODATA V3, this setting has no effect on the synchronization of orders.

Receipts synchronization period

All the goods receipts are synchronized between NAV/Business Central and d.velop invoices by default. These goods receipts may go back a long way in time and thus cause a high load. To take only the necessary goods receipts into account, you can use this parameter to include only goods receipts with a specific interval starting from the current date.

The following intervals are available:

- **6 months**
- **12 months**
- **18 months**
- **24 months**

The **All** property is selected by default so that all goods receipts are synchronized regardless of the receipt date.

Number of elements per synchronization run

By default, 500 data records are queried per synchronization run. You can customize the number of data records so that between 100 and 20,000 data records can be transferred.

When using ODataV3 and the query of purchase orders and goods receipts, this setting is ignored.

Retrieve master data serially

If you activate this setting, the master data is no longer retrieved in parallel, but successively. This approach may be necessary if the ERP system does not allow multiple requests simultaneously or if the load becomes too high as a result.

> **Note**
> This setting is only available in the on-premises deployment of Microsoft Dynamics 365 NAV/Business Central.

Settings under "Business Central AL"

Enable Business Central AL support

If you are using Microsoft 365 Business Central in the AL architecture (version 15 onward) and activate this setting, the invoice data will be transferred directly to the d.velop smart invoice cockpit.

> **Note**
> This setting is only available in the on-premises deployment of Microsoft Dynamics 365 Business Central.

Deactivate validation of cost invoices

If you activate this setting, the system does not check whether the invoice data is valid during the transfer of cost invoices to Microsoft 365 Business Central.

If you activate this setting, for example, if the G/L account is only defined later in the course of the workflow but an invoice item is already created beforehand.

By default, the type and number are mandatory fields in Microsoft 365 Business Central. When the workflow is finished, all the invoice data is validated, which means the values entered must be valid at this time If the values entered are invalid, the error is transferred back to the workflow.

To activate this setting, you require the invoice monitor for Microsoft Dynamics 365 Business Central AL. This setting has no effect on Microsoft 365 Business Central with C/SIDE architecture.

Transfer positions only upon conclusion

If you activate this setting, no position data for cost invoices will be transferred to Microsoft Dynamics 365 Business Central AL while the workflow is active.

Activate this setting if, for example, the GL account or tax account information are not defined until later in the workflow process.

When the workflow is completed, all position data is transferred to Microsoft Dynamics 365 Business Central and validated. Therefore, the values entered must be valid when the workflow is completed. If the values entered are invalid, the error is transferred back to the workflow.

To activate this setting, you require the invoice monitor of Konica Minolta for Business Central AL. This setting has no effect on Microsoft 365 Business Central with C/SIDE architecture.

Submit document ID as Custom 20

If you activate this setting, the document ID is transferred to the invoice monitor in Business Central AL as a **Custom 20** field so that you can map this field individually to a **Table 38** field.

Use this setting to map the document ID to the field **5461128**.

Transfer QR amount with comma as separator

If you activate this setting, a comma is used as a decimal separator for the property **QR Amount** (**Custom105**) instead of a period.

This setting has no effect on Microsoft 365 Business Central with C/SIDE architecture.

Do not delete invoice if workflow is canceled

If you activate this setting and a workflow is cancelled, the invoice will remain in the Konica Minolta invoice monitor.

This setting has no effect on Microsoft 365 Business Central with C/SIDE architecture.

Use payment terms from d.velop smart invoice

If you activate this setting, the following values will be transferred from d.velop smart invoice to Microsoft Dynamics 365 Business Central AL when you transfer an invoice from d.velop smart invoice:

- **Due date**
- **Cash discount due date**
- **Cash discount** (percentage)

If you activate this setting, you must also use the feature **due_dates_rework** in d.velop smart invoice.

This setting has no effect on Microsoft 365 Business Central with C/SIDE architecture.

Use new transfer process for invoice monitor

> **Warning**
> Only enable this option if you are familiar with the effects and can fully understand the consequences.

If you activate this setting, the new transfer process is used for the invoice monitor. This setting is deactivated by default. The new transfer process ensures that if the transfer fails during booking, the transfer remains in an unsecured state. By default, the document is locked in the invoice monitor for processing or posting. With this activated enabled setting, users can now perform the final editing and booking.

In the workflow, you receive an error message or a warning that the workflow definition should be supplemented with an action. In this action, it must be possible to successfully complete the workflow without a transfer, possibly with a comment obligation, e.g. **Document has already been completed and posted in BC.**

Minimum line items for goods receipt reference

If you enable this setting, only the minimum line items are used when creating an invoice for the invoice monitor if the invoice line refers to a goods receipt reference. This setting is useful to avoid validation errors.

Only the following will be transmitted in the position data:

- **Line reference**
  - EntryNo
  - LineNo
- **Goods receipt reference**
  - ReceiptNo
    ReceiptLineNo
- **Tax code**
  - VatBusPostingGroup
  - VatProdPostingGroup
- **Shortcut dimensions**
  - ShortcutDimension1Code
    [...]
  - ShortcutDimension8Code

Synchronize company prefix

> **Warning**
> Only enable this option if you are familiar with the effects and can fully understand the consequences.

If you activate this setting, a company prefix is specified for orders and goods receipts as well as corresponding line items and references.

Settings under "Invoice transfer"

Submit all order numbers in invoice header

If you activate this setting, all order numbers in the invoice header are transferred separately to the ERP system (in NAV/Business Central with C/SIDE architecture using a pipe character and in Business Central with AL architecture using a comma). In this case, you must ensure that the necessary adjustments have been made in the ERP system to enable several order numbers to be transferred in the same field.

Apply posting text

If you activate this setting, you can define the conditions under which the **Description** field in the positions is to be applied from the posting text from d.velop invoices.

This setting is useful if you want to display consistent descriptions for an invoice.

The following options are available:

- **Do not apply** (default)
- **Always apply posting text**
- **Apply posting text if no description has been specified**

> **Note**
> Irrespective of the **Apply posting text** setting, the description from the purchase order is adopted by default in the invoice monitor for invoices with a purchase order reference.

Check invoice data after workflow end

To activate this setting, you need the invoice monitor version 2.4 for the C/SIDE architecture in NAV.

In the **Check entries** field, you must enter the value **dbsCheckEntry**.

When you activate this setting, the invoice data is fully validated following the final transfer to NAV/ Business Central. If an error occurs while validating the data, this error is transferred back to d.velop smart invoice. If the validation was successful, the workflow finishes.

> **Note**
> This setting is only available in the on-premises deployment of Microsoft Dynamics 365 Business Central.

Transfer additional header data

You can add further values in order to transfer additional custom values and other properties from d.velop smart invoice to Microsoft Dynamics 365 NAV/Business Central. Include the added fields in the invoice monitor web service page in Microsoft Dynamics 365 NAV/Business Central.

The following values can be transferred:

Property in d.velop smart invoice	Property value in Microsoft Dynamics 365 NAV/BC	Note
Custom_<custom field number>	**Custom_<custom field number>** Example: **Custom_2**	
Posting date	**Posting_Date**	In the case of the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL, this property is transferred by default. You do not need to activate the transfer.
Payment amount	**Payment_Amount**	This property cannot currently be transferred with the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL.
Date of supply	**Date_Of_Supply**	In the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL, you can map this property to the field **custom100**.
Payment date	**Payment_Date**	In the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL, you can map this property to the field **custom102**.
QR type (Switzerland)	**QR_Type**	This property cannot currently be transferred with the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL.
QR reference (Switzerland)	**QR_Reference_No** **custom104**	In the Konica Minolta invoice monitor AL, the field **QR reference** is mapped to the field **custom104**. You need the Microsoft QR-Bill Management add-on.
QR amount (Switzerland)	**QR_Amount** **custom105**	In the Konica Minolta invoice monitor AL, the field **QR amount** is mapped to the field **custom105**. You need the Microsoft QR-Bill Management add-on.
QR currency (Switzerland)	**QR_Currency_Code** **custom106**	In the Konica Minolta invoice monitor AL, the field **QR currency** is mapped to the field **custom106**. You need the Microsoft QR-Bill Management add-on.
QR description (Switzerland)	**QR_Description** **custom107**	In the Konica Minolta invoice monitor AL, the field **QR description** is mapped to the field **custom107**. You need the Microsoft QR-Bill Management add-on.

Property in d.velop smart invoice	Property value in Microsoft Dynamics 365 NAV/BC	Note
QR IBAN (Switzerland)	**QR_IBAN** **custom108**	In the Konica Minolta invoice monitor AL, the field **QR IBAN** is mapped to the field **custom108**. You need the Microsoft QR-Bill Management add-on.
ESR line (Switzerland)	**ESR_Coding_Line**	This property cannot currently be transferred with the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL.
Bank code	**Bank_Code**	In the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL, you can map this property to the field **custom101**.

Transfer additional line item fields

You can add further values in order to transfer additional custom values and other properties from d.velop smart invoice to Microsoft Dynamics 365 NAV/Business Central. Include the added fields in the invoice monitor web service page in Microsoft Dynamics 365 NAV/Business Central.

The following values can be transferred:

Property in d.velop smart invoice	Property value in Microsoft Dynamics 365 NAV/Business Central	Note
Custom_9	**Custom_9**	
Custom_10	**Custom_10**	
Custom_11	**Custom_11**	
Custom_12	**Custom_12**	
Custom_13	**Custom_13**	
Custom_14	**Custom_14**	
Custom_15 (allocation account)	**Allocation_Account**	The field **Custom_15** is mapped to the **Allocation account** posting type to enable the selection and transfer of allocation accounts.
Custom_16 (item)	**Item**	The field **Custom_16** is mapped to the **Item** posting type to enable the selection and transfer of items.
Custom_17 (project)	**Job_No**	In the case of the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL, this property is transferred by default. You do not need to activate the transfer.
Custom_18 (project task number)	**Job_Task_No**	In the case of the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL, this property is transferred by default. You do not need to activate the transfer.
Disc. %	**Line_Discount_Percent**	
Unit	**Unit_of_Measure_Code**	In the case of the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL, this property is transferred by default. You do not need to activate the transfer.
Unit of price	**Price_Unit**	This property cannot currently be transferred with the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL.
Disc. 2 %	**Discount_2_Percent**	This property cannot currently be transferred with the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL.

Property in d.velop smart invoice	Property value in Microsoft Dynamics 365 NAV/Business Central	Note
Discount per unit	**Discount_Per_Unit**	This property cannot currently be transferred with the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL.
Disc. total	**Discount_Absolute**	
Tax amount	**Vat_Amount**	This property cannot currently be transferred with the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL.
Unit price	**Direct_Unit_Cost**	In the case of the Konica Minolta invoice monitor with Microsoft Dynamics 365 Business Central AL, this property is transferred by default. You do not need to activate the transfer.
Gross amount	**Amount_Including_VAT**	

1.4. Additional information sources and imprint

If you want to deepen your knowledge of d.velop software, visit the d.velop academy digital learning platform at https://dvelopacademy.keelearning.de/.

Our E-learning modules let you develop a more in-depth knowledge and specialist expertise at your own speed. A huge number of E-learning modules are free for you to access without registering beforehand.

Visit our Knowledge Base on the d.velop service portal. In the Knowledge Base, you can find all our latest solutions, answers to frequently asked questions and how-to topics for specific tasks. You can find the Knowledge Base at the following address: https://kb.d-velop.de/

Find the central imprint at https://www.d-velop.com/imprint.