

# d.velop

d.velop connect for SAP Fiori:  
Administration

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# 1. d.velop connect for SAP Fiori: Administration

## 1.1. Basic information about the application

This chapter contains product notes and general information.

### 1.1.1. About d.velop connect for SAP Fiori

d.velop connect for SAP Fiori integrates web-based apps from d.velop into Fiori apps from SAP without other providers. Web-based apps from d.velop can be used using a tile in the SAP Fiori Launchpad (FLP). d.velop connect for SAP Fiori extends existing SAP Fiori apps without modifications being necessary.

d.velop connect for SAP Fiori consists of two components:

- The FLP plugin, which extends existing SAP Fiori apps.
- The App Launcher component, which provides (deep) links to d.velop apps in FLP tiles, allowing d.velop apps to be launched the same way as SAP Fiori apps.

### 1.1.2. Terms and concepts

This chapter contains information about the terms and concepts of d.velop connect for SAP Fiori.

#### Input values

You can use input values to capture data from different sources, which you can then use in the context of d.velop connect for SAP Fiori.

#### Property binding

With the **Property binding** input source, you can capture values which are bound to SAPUI5 controls. Supported controls are flagged by a green border. Clicking on a control with the selection tool selects the control and lists the bound properties. d.velop recommends this input source for Fiori item apps.

#### Property selection

With the **Property** input source, you can capture properties which are available in the app via OData. Select an OData path followed by the preferred property. Please note that depending on the type of app, this input source is not always available.

#### Model binding

With the **Model binding** input source, you can capture the data models of the current SAPUI5 view. Select a data model followed by the preferred property. Please note that depending on the type of app, this input source is not always available.

#### Control property

With the **Control property** input source, you can capture the properties of the visible SAPUI5 controls. Supported controls are flagged by a green border. Clicking on a control with the selection tool selects the control and lists the bound properties. If you would like to capture the text label of a control, select the **Text** property.

#### OData source

With the **OData-source** input source, you can retrieve data from your SAP system with OData version 2. Enter an OData path. You can use wildcards in the OData path and thus create the path on the basis

of further input values from the current app. When wildcarding, make sure that the additional input value is captured before the OData source. For further information about the available OData sources, see the SAP Fiori Apps Reference Library under the following link: <https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/>. To be able to use the input source, you must enable the Feature Flag **FEATURE\_FLAG\_ODATA\_INVALUES** with the SAP transaction **SM30** in the **/DVELOP/FUI\_APPS** table.

Example of an OData path and a wildcard: `/sap/opu/odata/sap/API_BUSINESS_PARTNER/A_Business-Partner('{0}')`

### DOM property

Only use this input source if no other input source works. With the **DOM property** input source, you can capture the properties of all visible DOM items. Supported items are flagged by a green border. Click on the required item with the selection tool. If you would like to capture the text label of an item, select the **innerText** property. To be able to use the input source, you must enable the Feature Flag **FEATURE\_FLAG\_ODATA\_INVALUES** with the SAP transaction **SM30** in the **/DVELOP/FUI\_APPS** table.

### Warning

This option may not be available after an update. Therefore, use this option with caution.

### Constant

With the **Constant** input source, you can define a value manually which cannot be changed.

### Wildcards

You can use wildcards to insert data determined from input values into group titles, URLs and parameters. Wildcards are created with a sequential number. You can view the wildcard number in the input values table.

Example of an URL with wildcard: `https://example.org/index.html?param={0}&lang={1}`

In addition to wildcards for input values, the following wildcards for user information are also available:

Wildcards	Description
{user}	SAP username
{fullname}	Full name
{lastname}	First name
{firstname}	Last name
{language}	Short form of the SAP system language (e.g. DE)

### Item types

For the extension of an SAP Fiori application, the item types **IFrame**, **Button** and **Link** are available for you to use. You can control the behaviour of the created items with parameters. Different parameters are available according to the item type. The most important parameters are described here. The parameters also support wildcards for input values. You can enter the width and height of the items in different units. Further information is available in the SAPUI5 documentation via the following link: <https://sapui5.hana.ondemand.com/sdk/#/api/sap.ui.core.CSSSize>.

#### IFrame

IFrames allow you to embed web pages in Fiori apps. The web page must explicitly allow embedding with the Content Security Policy header; also see Cross-Origin Resource Sharing (CORS).

Relative units are recommended, for e.g.:

- **vh**: Height as a percentage of the viewport. Viewport refers to the visible area of a web page which users can see.

- **vw**: Width as a percentage of the viewport.
- **%**: Relative size in comparison with the parent item.

Property name	Description
height	Height of an IFrame
width	Width of an IFrame

## Button

With the use of buttons, web pages can be opened in a new tab.

Property name	Description
icon	Icon in the button (see <a href="#">SAP Icon Explorer</a> )
height	Height of the button
text	Text of the button, supports wildcards
type	Colour type of the button (see SAPUI5 documentation)
width	Width of the button

## Link

With links, web pages can be opened in a new tab.

Property name	Description
text	Text of the link, supports wildcards

## 1.2. Installing and uninstalling

This chapter contains information about the installation of the application.

### 1.2.1. System requirements

#### Frontend

The FLP plugin runs in the browser. The browser requirements are the same as those for d.velop documents. The respective requirements concerning SAPUI5 (from version 1.71) also apply. For the requirements concerning SAPUI5, see the respective SAP documentation.

#### Backend

The following requirements apply to the backend:

Component	Description
d.velop customizing for SAP Solutions	<ul style="list-style-type: none"> <li>• d.velop customizing for SAP Solutions must be installed in the backend (licensing).</li> <li>• Version 1.1.0 or above of d.velop Fiori Base-Transport must be installed.</li> </ul>
SAP backend	<ul style="list-style-type: none"> <li>• SAP NetWeaver from version 7.4 SP 05</li> <li>• SAP Gateway plugin from version GW_FND 7.40 Patch 12</li> <li>• SAP_UI Version 7.54 (contains SAPUI5 version 1.71 LTR)</li> </ul>

More information about compatible versions and combinations of SAP\_UI, SAP Gateway and SAP NetWeaver is available in item 2217489 in the SAP knowledge base.

### 1.2.2. Installing d.velop connect for SAP Fiori

The installation of d.velop connect for SAP Fiori takes place with the use of SAP transports. The installation package contains a Workbench transport and a Customizing transport. The Workbench transport is located in the **dvpcon4sapfiori-wb** subdirectory and the Customizing transport is located in the **dvpcon4sapfiori-cu** subdirectory. Each subdirectory contains a SAR file and a ZIP file. You can import the transports as either a SAR file or you can unzip the ZIP file and add the SAP file system manually.

How to import the SAR file is described below. Please note that you import the Workbench transport first and then the Customizing transport.

#### How it works

1. Unzip the installation package in a random directory.
2. Log in to the SAP GUI.
3. Start the transaction **SAINT**.
4. Select **Installation Package/Load Package/SAR Archive from Frontend**.
5. Navigate to the directory in which you unzipped the installation package and open subdirectory **dvpcon4sapfiori-wb**.
6. Open the SAR file of the Workbench transport.
7. Import the SAR file of the Customizing transport from subdirectory **dvpcon4sapfiori-cu** in the same way.
8. Start the transaction **STMS**.
9. Click on **Transport overview**.
10. Open the web SAP system by double-clicking.
11. Select **Extras/Other orders/Append**.
12. Enter the transport number of the Workbench transport and confirm.
13. Enter the transport number of the Customizing transport and confirm.
14. In the list, navigate to the Workbench transport you just imported and select the transport.
15. Click on **Import order**.
16. Select **Ignore invalid component version** and confirm.
17. Wait until the transport has been imported. You can update the view with **Refresh**.
18. Import the Customizing transport in the same way.

### 1.2.3. Installing updates for d.velop connect for SAP Fiori

To install updates, proceed in the same way as with the installation, see [Installing d.velop connect for SAP Fiori](#).

### 1.2.4. Uninstalling d.velop connect for SAP Fiori

As the installation of d.velop connect for SAP Fiori takes place with the use of SAP transports, you can only uninstall the components with the use of a special delete transport. To do this, please contact your contact person at d.velop.

### 1.2.5. Installing the license

To be able to use d.velop connect for SAP Fiori, you require a license. For a development or test system, you can use the demo license included in the installation package. The demo license is located in the file **d.velop-connect-for-sap-fiori-demo-license.xml**. You require a specific license file for your productive SAP system. Contact your contact person at d.velop for this license file.

#### How it works

1. Start the transaction **/dvelop/cus** in the SAP GUI.
2. Click on **Manage licenses**.
3. Click on **Upload license**.
4. Select your license file and click on the button to upload and/or open the file.

The license is displayed in the list of installed licenses.

## 1.3. General configuration

The application consists of two parts. These two parts each have their own configuration steps and are described in the following chapters. Some configuration steps are relevant to both applications.

### 1.3.1. Configuring permission roles

Roles define the permissions for being able to access data and software functions. d.velop connect for SAP Fiori uses the following roles:

Role	Use	Description
/DVELOP/ FIU_USER	Fiori Launchpad plugin	The role grants users basic access to the Fiori Launchpad plugin. Extensions created by the administrator are run automatically for members of this group.
/DVELOP/ FIU_ADMIN	Fiori Launchpad plugin  AppLauncher components	The administrator has permissions to edit application settings, extend Fiori apps in the FLP plugin, and access the Fiori Launchpad catalog. With access to the catalog, a user with these permissions is able to define the AppLauncher component, the widgets and the links from d.velop documents which are to be integrated at the start.

You can assign users directly to the above groups.

#### Directly assigning users – how it works

1. Start the transaction **PFCG** in the SAP GUI.
2. Enter the name of one of the roles in the **Role** input field.
3. Click on the icon for the editing of the role. You will see the details for the role.
4. Click on **Users**.
5. Add one or more users from the table to the role.
6. Save your changes.

If you have defined your own composite roles to which you assign your users, you can also add the individual roles to a composite role. This saves you having to assign users to individual roles multiple times.

#### Assigning to a composite role – how it works

1. Start the transaction **PFCG** in the SAP GUI.
2. Select an existing composite role that you would like to extend with one of the individual roles above.
3. Click on the icon for the editing of the role.
4. Click on **Roles**.
5. Add the required individual role in the table.
6. Save your changes.

### 1.3.2. Setting up the domain for the integration

In technical terms, the embedding of web pages is based on IFrames. If the URL you would like to integrate is not from the same domain in which the FLP was launched, the browser will prevent the integration (CORS policy). This policy is designed to ensure that internet sites are able to integrate other internet sites and therefore pass themselves off as the self-same website. For the integration to work, you must enter the domain in which the FLP was launched in the d.velop documents configuration. In cloud clients, the domain is stored in the **Web settings** feature under **Integration settings**. In on-premises installations, the respective header is set up in the d.ecs http gateway.

#### How it works in the cloud

1. Open the configuration.
2. Click on **Integrations settings** in the **Web settings** feature.
3. Click on **Add domain**.
4. Add the domain of your SAP system.
5. Click **Save**.

#### How it works on-premises

1. Open the configuration of d.ecs http gateway.
2. Click on **Configuration**.
3. In the **Addition headers** area, expand the **Content security policy** header to include the domain of your SAP system.
4. Click on **Save changes**.
5. Wait until the d.ecs http gateway has restarted.

### 1.3.3. Installing the Wrapper

The Wrapper allows disabling of the Header Row in the old document management operating concept and enables the Headless mode. If you use the old operating concept and would like to use the Headless mode, you must install a Wrapper file. Start by checking which operating concept is active. In the d.velop documents dashboard, click on **Configuration > Feature Previews > New Operating Concept**. If you are using a d.velop Cloud client, as a requirement, you will need a web server that provides the **dvpswrapper.html** file.

#### How it works in the cloud

1. Copy the **dvpswrapper.html** file from the **wrapper** directory of the installation package to your web server.
2. Ensure that the **dvpswrapper.html** file can be loaded without authentication.
3. You will need a self-defined abbreviation for the configuration of the web server, e.g., "dsw". Configure the web server so that the **dvpswrapper.html** file can be returned under the path "dsw". The abbreviation is important and is put to subsequent use. Example: <https://<your server>:443/dsw/dvpswrapper.html>.
4. Launch the administration of your cloud environment in your browser via **my.d-velop.cloud**.
5. Select **My providers > Apps**.
6. Click on the plus sign to create a new app.
7. Give the app a three-letter name with the previously assigned abbreviation.
8. Click on **Create new app**.
9. Navigate back to the start page.
10. Open the **d.velop cloud administration** feature.
11. If necessary, select your organisation.
12. Select the client in which your d.velop documents client is running.
13. Find the app you created in the list of apps.
14. Under **Override**, click on **Edit**. A dialogue with the heading **Override app endpoints** is displayed.
15. In the list of apps without override, select the app you created.
16. In the **Modified endpoint** field, enter the link to the path on your web server where the **dvpswrapper.html** file can be loaded.
17. Click **Add**.

#### How it works on-premises

1. Copy the **dvpswrapper.html** file from the **Wrapper** directory of the installation package to a random directory on the d.velop documents server.
2. Launch Microsoft Internet Information Services (IIS)
3. Launch the Computer Management on the d.velop documents server.
4. Expand the view under **Internet information server**.
5. Expand the **d.3one** site in the detail window.
6. Right-click on the site **d.3one** and select **Add application**.
7. Enter a three-figure abbreviation as an alias. You use this abbreviation later for the configuration of d.ecs http gateway. Best Practice is abbreviated as **dsw**.
8. Under **Physical path**, select the directory into which you copied the file **dvpswrapper.html**.
9. Open the administration page of d.ecs http gateway on the d.velop documents server.
10. Click on **Add new app registration**.

11. Enter the three-figure abbreviation from the IIS configuration for the new registration.
12. Under **Destination URL** enter the value **https://<URL of your d.velop documents server>:<Port of d.ecs http gateway>/<abbreviation>**. You can find the port in the list of apps displayed in the **dms** app. The wildcard **<abbreviation>** corresponds to the three figure abbreviation from step 7 (recommendation: **dsw**).

## 1.4. Configuring the SAP Fiori launchpad plugin

In this chapter, you can find information about the configuration of d.velop connect for SAP Fiori. Start the configuration by clicking on the wrench icon in the banner of the plugin. The settings are dependent on the Fiori app which is currently open.

### 1.4.1. Configuration overview

Under **Integrations**, you get an overview of all the configured apps. You can export and import partial configurations or the entire configuration. You can also use **Jump** to go to the start page of the app you have configured. Under **Repositories**, you can add your d.velop documents repositories. The integration of repositories is optional. You need the integration for the guided creation of new integrations of dossiers and documents from d.velop documents (see [Embedding dossiers and documents from d.velop documents](#)).

### Exporting configurations

#### How it works

1. Navigate to the start page of the plugin.
2. Click on the wrench icon in the banner.
3. Click on **Configurations**.
4. Select the configurations that you want to back up.
5. Click on **Export**.

The integrations are downloaded in the form of a JSON file.

### Importing configurations

#### How it works

1. Navigate to the start page of the plugin.
2. Click on the wrench icon in the header.
3. Click on **Configurations**.
4. Click on **Import**.
5. Select a previously exported JSON file.
6. If you would like to add new configurations, click on **Add**. If you would like to overwrite new configurations, click on **Overwrite**.
7. Wait until the import has finished.

#### Note

Please note that configurations imported from other SAP systems may not work due to different Customizing settings.

### Adding a repository

#### How it works

1. Navigate to the start page of the plugin.
2. Click on the wrench icon in the header.
3. Click on **Repositories**.
4. Click on **Add**.

5. Enter the hostname with the log used by your d.velop document instance and an API key.
6. Confirm the input.
7. If required, select the relevant repository. This query is only displayed if more than one repository is available.
8. If you have installed the Wrapper, enter the address of the Wrapper endpoint in the **Wrapper Endpoint** field e.g.: "/dsw/dvpswrapper". Further information is available here: [Installing the Wrapper](#).

## Removing a repository

### How it works

1. Navigate to the start page of the plugin.
2. Click on the wrench icon in the header.
3. Click on **Repositories**.
4. Select the repositories that you would like to remove.
5. Click on **Remove**.
6. Confirm the query.

## 1.4.2. Configuring an app

To configure an app, you have to navigate to it in the SAP Fiori Launchpad (FLP). You can tell whether an app has been configured with d.velop connect for SAP Fiori by the wrench icon in the FLP header. In the case of apps that have not yet been configured, a wrench icon is displayed with a plus icon. In the case of preconfigured apps, only the wrench icon is displayed.

## Creating a new configuration

### How it works

1. Navigate to the app that you would like to configure.
2. Click on the wrench icon.
3. Confirm the query.
4. Enter a unique ID and confirm the entry.
5. For **Metadata** specify the **To** value.
6. Click **Save**.

## Embedding dossiers and documents from d.velop documents

With DvpCon4SF, you can embed dossiers and documents from your d.velop documents system directly into a Fiori app. The requirement for this is that you have already integrated your repository. For more information, please refer to the chapter [Adding a repository](#).

### How it works

1. Navigate to the app that you would like to configure.
2. Click on the wrench icon.
3. Click on **Integrations > Create**.
4. Click on **New tab**.
5. Click on **Dossier** and/or on **document**.
6. Select your d.velop documents instance under **System URL**.
7. If required, select the repository.
8. You can optionally enter a group title. If you do not specify a title, the category name will be used as the group title.
9. Click on **Next step**.
10. Select a category and all the properties you want to filter by.
11. Click on **Next step**.
12. For the relevant rows, in the **Input Source** column, click on **Select**.
13. Select the type of input value. The input values are used as a search filter. Further information is available here: [Input values](#).

- If you have selected **Constant**, you can enter a label in the **Property** column.
  - Otherwise you can select a property in the **Property** column.
14. Click on **Next step**.
  15. Check the details and click on **Generate** and **Save**.

## Linking dossiers and documents from d.velop documents

With d.velop connect for SAP Fiori you can link dossiers and documents from your d.velop documents system in a Fiori app. To do this, you can integrate buttons and hyperlinks into existing areas which open dossiers and documents in a new tab. The requirement for this is that you have already integrated your repository. Further information is available in chapter [Adding a repository](#).

### How it works

1. Navigate to the app that you would like to configure.
2. Click on the wrench icon in the banner.
3. Click on **Integrations > Create**.
4. Click on **New area**.
5. Click on **New button** and/or **New link**.
6. In the submenu for **New Button** or **New Link**, click on **Dossier** and/or **Document**.
7. Use the selection tool to select an area where you want to place the button or link.

#### Note

Toolbars and SmartForms are supported only. The selection tool surrounds supported areas with a green box.

8. Select your d.velop documents instance under **System URL**.
9. If required, select the repository.
10. You can optionally enter a group title. If you do not specify a title, the category name will be used as the group title.
11. Click on **Next step**.
12. Select a category and all the properties you want to filter by.
13. Click on **Next step**.
14. For the relevant rows, in the **Input source** column, click on **Select**.
15. Select the type of input value. The input values are used as a search filter. Further information is available here: [Input values](#).
  - If you have selected **Constant**, you can enter a concept in the **Property** column.
  - Otherwise you can select a property in the **Property** column.
16. Click on **Next step**.
17. Check the details and click on **Generate** and **Save**.

## Embedding user-defined web pages

In addition to dossiers and documents from d.velop documents, you can also embed user-defined web pages into a Fiori app. The requirement for this is that the web page explicitly allows embedding with the Content Security Policy header.

### This is how it works

1. Navigate to the app that you would like to configure.
2. Click on the wrench icon.
3. Click on **Integrations > Create**.
4. Click on **New tab**.
5. Click on **User-defined**.
6. Specify a title under **Group title**.

7. In the **URL** column, enter the URL of the web page you want to integrate. You can use wildcards for URL parameters, which are replaced with values from the input sources. Further information is available here: [Wildcards](#).
8. If you use wildcards, click on **Administer** in the **Options** column.
9. Click on **Create**.
10. Select an input type. Further information is available here: [Input values](#).
  - If you have selected **Constant**, you can enter a concept in the **Property** column.
  - Otherwise you can select a property in the **Property** column.
11. The order of the created input values determines the replacement of the wildcards in the URL. If you want to remove an input value again, select the entry and click on **Remove**.
12. Click on **Back** and **Save**.

## Adjusting the behaviour of an integration

You can customize the behaviour of the created integrations with parameters. A list of the support parameters and further information is provided in chapter [Item types](#).

### How it works

1. Navigate to the app that you would like to configure.
2. Click on the wrench icon.
3. Click **Integrations**.
4. In the row for the integration whose behaviour you want to customize, click on **Administer**.
5. Click on **Parameters**.
6. Click on **Create**.
7. Select a parameter from the list and confirm your selection.
8. In the **Value** column, enter the value you selected for the parameter that you created.
9. Click **Save**.

## Removing the configuration of an app

### How it works

1. Navigate to the app whose configuration you would like to completely remove.
2. Click on the wrench icon.
3. For **Metadata** specify the **From** value.
4. Click **Save**.
5. Click on **Remove** and confirm the query.

### 1.4.3. Configuring the user-specific settings

You can enable or disable the status of all integrations and advanced logging in the user-specific settings. By default, you configure logging globally. You can use different settings for individual users. Extended logging is not required during regular operation and is used exclusively for error diagnosis.

## Adjusting the global settings

### How it works

1. In the user menu for the SAP Fiori Launchpad (FLP), click on **Settings**.
2. In the navigation pane, click on **d.velop connect for SAP Fiori**.
3. Click on **Global settings**.
4. To enable and/or disable all integrations globally, change the status of **State of plugin** to **Active** and/or **Inactive**.
5. To enable and/or disable extended logging globally, change the status of **Extended logging** to **Active** and/or **Inactive**.
6. Click **Save**.

## Adjusting the user-specific settings

### How it works

1. In the user menu for the SAP Fiori Launchpad (FLP), click on **Settings**.
2. In the navigation pane, click on **d.velop connect for SAP Fiori**.
3. Click on **Create**.
4. Enter the SAP user ID and confirm your entry.
5. To enable and/or disable all integrations for the user, change the status of **State of plugin** to **Active** and/or **Inactive**.
6. To enable and/or disable extended logging for the user, change the status of **Extended logging** to **Active** and/or **Inactive**.
7. Click **Save**.

### Note

Alternatively, you can assign or withdraw the `/DVELOP/FIU_USER` role to or from users in SAP using the user administration.

## Removing user-specific settings

### How it works

1. In the user menu for the SAP Fiori Launchpad (FLP), click on **Settings**.
2. In the navigation pane, click on **d.velop connect for SAP Fiori**.
3. Click on the list entry with the ID of the SAP user.
4. Click on **Remove** and confirm the query.
5. Click **Save**.

### 1.4.4. Configuring the browser-specific settings

To use d.velop connect for SAP Fiori with the Mozilla Firefox and Safari web browsers, you need to customize the settings in the event of each installation. In the case of Google Chrome and other Chromium-based web browsers, no adjustment of the settings is necessary.

#### Mozilla Firefox

If you use the Mozilla Firefox browser, you will need to customize the **Browser data protection** setting.

### How it works

1. In Mozilla Firefox, click on the three horizontal lines.
2. Click on **Settings**.
3. Click on **Data protection & security**.
4. Click on **Manage exceptions**.
5. Enter the address of the SAP Fiori Launchpad (FLP) start page.
6. Click on **Add exception**.

#### Apple Safari

If you use the Apple Safari browser, you will need to customize the **Website Tracking** setting.

### How it works

1. In the Safari menu bar, click on **Settings**.
2. Click on **Data protection**.
3. Disable the **Prevent cross-site tracking** setting.

## 1.5. Configuring AppLauncher components

d.velop connect for SAP Fiori is supplied with the Fiori catalog **d.velop connect for SAP Fiori** with the ID **dvpConn4Fio**. The catalog contains two Target Mappings: One for the Fiori Launchpad plugin (semantic

object **Shell**) and one for the AppLauncher (semantic object **DvpAppL**). You require the Target Mapping for the AppLauncher for the further configuration.

### 1.5.1. Assigning user roles for Launchpad administrators

For the administration to be able to perform the further configuration in SAP Fiori Launchpad Designer, access to the respective catalog is required. The catalog is included in d.velop connect for SAP Fiori.

#### How it works

1. Start the transaction **SU01**.
2. Enter the user ID of the administrator who is allowed to edit the Launchpad configurations.
3. Click on **Roles**.
4. Add the role **/DVELOP/FIU\_ADMIN** to the user.

Alternatively, you can add the role **/DVELOP/FIU\_ADMIN** to an (admin) composite role and then assign this composite role to the administrator.

### 1.5.2. Creating a reference to a Target Mapping in the customer catalog

To use the AppLauncher, a new Target Mapping must be created in a customer catalog. The Target Mapping is then used to create a tile in the SAP Fiori Launchpad. However, the Target Mapping does not need to be captured again. Instead, a reference to the Target Mapping is created in the delivered catalog of d.velop connect for SAP Fiori which therefore contains all necessary information.

#### How it works

1. Start the SAP Fiori Launchpad Designer.
2. Select the catalog **d.velop connect for SAP Fiori**.
3. In the catalog details, select the **Target Mappings** tab.
4. Click on the line with the semantic object **DvpAppL**.
5. Click on **Create reference**.
6. Select the catalog in which the new Target Mapping should be saved as a reference. You will receive a notification when the Target Mapping has been successfully created.

### 1.5.3. Creating tiles for (deep) links in the launchpad

To display a tile in SAP Fiori Launchpad, it must be defined in a catalog in SAP Fiori Launchpad first. Tile definitions use target definitions for Fiori apps to enable the technical data of the app to be used in a tile without any further technical knowledge.

#### How it works

1. Start the SAP Fiori Launchpad Designer.
2. Select the catalog in which you want to create a tile to use a (deep) link in d.velop documents (or another external link) to launch within the Fiori Launchpad.
3. Click on the **Tiles** tab, which displays the defined tiles to you in list format.
4. Click on **Create tile**.
5. Select **App Launcher - Static**.
6. Under **General**, enter the following values to define the appearance of the tiles:
  - **Title**
  - **Subtitle**
  - **Keywords**
  - **Icon**
  - **Information**
7. Enable **Use semantic object navigation** under **Navigation**.
8. Use the semantic object **DvpAppL**.
9. Select the **Display** action.

10. Under **Parameters**, enter the parameters for the d.velop AppLauncher component:
  - **title**: Title to be used as the Fiori app name for the link
  - **headless**: With the **true** and/or **false** metrics, you can remove the header from a d.velop app. In this way the link looks like an integrated app.
  - **url**: The URL to be integrated

Please note:

- You are only required to state the parameter **url**.
- You must convert the URL into a URL coded format. To do this, you can use web pages such as <https://www.urlencoder.org>.
- The first parameter is captured directly without a prefix.

## 1.6. 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.keelelearning.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>.