



Dynamic navigation links

Planon Software Suite

Version: L133

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About this Document

Intended Audience

This document is intended for *Planon Software Suite* users.

Contacting us

If you have any comments or questions regarding this document, please send them to: support@planonsoftware.com.

Document Conventions

Bold

Names of menus, options, tabs, fields and buttons are displayed in bold type.

Italic text

Application names are displayed in italics.

CAPITALS

Names of keys are displayed in upper case.

Special symbols

	Text preceded by this symbol references additional information or a tip.
	Text preceded by this symbol is intended to alert users about consequences if they carry out a particular action in Planon.

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About Dynamic navigation links

The **Dynamic navigation links** feature enables app users to access specific Planon records directly from inside or outside the Planon App, via a *generated dynamic QR code*.

Dynamic navigation links / dynamic QR codes

In the **Dynamic navigation links** TSI you can manage generated *dynamic navigation links*. These links can subsequently be used to generate QR codes with dynamic behavior. See [Dynamic vs. static](#).

When app users scan a generated dynamic QR code with their native device camera, outside the Planon app, the app automatically opens and navigates to the linked item. When the item is updated, the dynamic QR code will still be able to trace it.

Example: The user scans a QR code of a meeting room with a native camera. The Planon app starts, opening the **Bookings** module and displaying the scanned meeting room.

Dynamic vs. static



It is important to understand the distinction between the *dynamic* QR codes (based on dynamic navigation links) and the *static* QR codes existing in Planon:

- Static QR codes only function when scanned from within the Planon app and can only point to a single record. 'Native' device cameras cannot recognize these QR codes as being specific to Planon and consequently cannot access the Planon app.
- Dynamic QR codes (based on dynamic navigation links) will function both inside and outside the Planon app. Dynamic navigation links can have an **End date** and be deactivated. See [Dynamic navigation link fields](#) for more information about these settings.

Which Planon items support dynamic navigation links (QR codes)?

Dynamic links can be generated for the following Planon business objects:

- Assets

- Spaces
- Workspaces (Fixed and Flexible)
- Reservation units
- Personnel

Authorized users should first create the required dynamic navigation links in the TSIs of the business objects that support the functionality. See below for the list of supported business objects. When generated, the dynamic navigation links become visible in the **Dynamic navigation links** TSI. See [Adding dynamic navigation links](#) and [Generating and downloading dynamic QR codes](#) for instructions.

Adding dynamic navigation links

Dynamic navigation links can be created for specific Planon business objects, for example Assets, Spaces, Workspaces (fixed), Flexible workspaces (Reservation units) and Personnel. So, adding a new dynamic navigation link starts in the supported TSIs, such as **Assets Pro**, **Reservations**, **Spaces & workspaces** etc.

Preconditions:

- the Planon app *must be downloaded from the store* first, to make the created dynamic QR codes work in the app.
- the **Create navigation links** [step action](#) must be configured / made available on the action panel of the relevant business object. System administrators can configure this in **TSIs**. See [Linked step actions](#).



There can only be one active navigation link per BO definition.

Procedure

In the following procedure, a dynamic navigation link is created for asset records in the **Assets Pro** TSI.

1. Go to the **Assets Pro** TSI.
2. Select one or more assets in the element list.
3. Click the **Create navigation links** action.
4. In the dialog, select the **Navigation link type** (for use with the Planon app, select: **Planon app navigation link**).
5. On the action panel, click **Create links**.
 - The system checks for existing active links to prevent duplicates.
 - New records are created in the **Dynamic navigation links** TSI with a unique UUID (Universally Unique Identifier).
6. In the **Dynamic navigation links** TSI, proceed with Generating and downloading dynamic QR codes.

Generating and downloading dynamic QR codes

Once dynamic navigation links have been created for specific business object records - for example for **Assets** in the **Assets Pro** TSI - you can generate and download the actual QR codes.



Dynamic QR codes are specially suited for use together with the Planon app. App users can scan the dynamic QR codes with their mobile device's native camera even if the Planon app is not yet opened. The dynamic QR code will be recognized and give access to the Planon app.

Procedure

1. Open the **Dynamic navigation links** TSI.
2. Select the relevant navigation link records
3. Click the **Create QR codes** action.
4. In the dialog, configure the following options:
 - **Error correction**: Select Low, Medium, Quartile, or High (Default: Medium).
 - **Include code in QR**: Select the box to display the record's code (for example **Asset code**) below the QR image.
5. Click **Download**.

A ZIP file is generated containing PNG images for each link. In this file, CSV files are included per business object (BO) group, containing the **Code**, **BO definition**, and **URL**. The codes can be made available as scannable and printable QR codes on the relevant items.
6. Open the *QR-codes.csv* file(s) to see data of the QR code(s) and process them as required.

Dynamic navigation link fields

Field	Description
Code	This field displays the code of the dynamic navigation link.
System type	Reference to the system type of the dynamic navigation link.
Linked record - BO definition	Reference to the BO definition of the linked record.
Linked record - BO system code	Reference to the BO system code of the linked record.
URL	Displays the URL to which the dynamic link points.
Active?	Indicate if you want to activate the link or not. The default value is Yes . If the link is 'inactive', it can no longer be accessed when scanned. It is, however, possible to reactivate it.
End date	If required, you can enter a date on which the dynamic navigation link should end.  the selected End date also affects a related Scheduled task. This is a <i>daily</i> clean-up task [SYSNAVIGATIONLINK_CLEANER] that removes <i>inactive Dynamic navigation link</i> records with an <i>end date greater than six months</i> (180 days). So, be aware that once an expired link is removed by the Scheduled task, the corresponding QR code will no longer work for end users. See Scheduled tasks for additional information.
Link's usage count	Displays how many times the dynamic navigation link (QR code) has been scanned.

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