ELO for Microsoft

ELO for Microsoft Teams

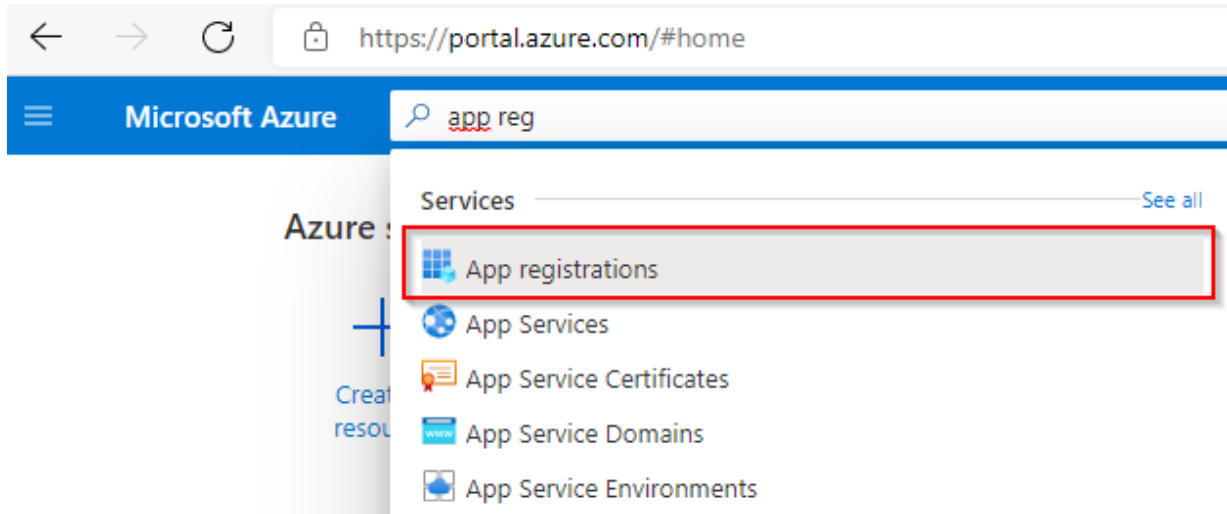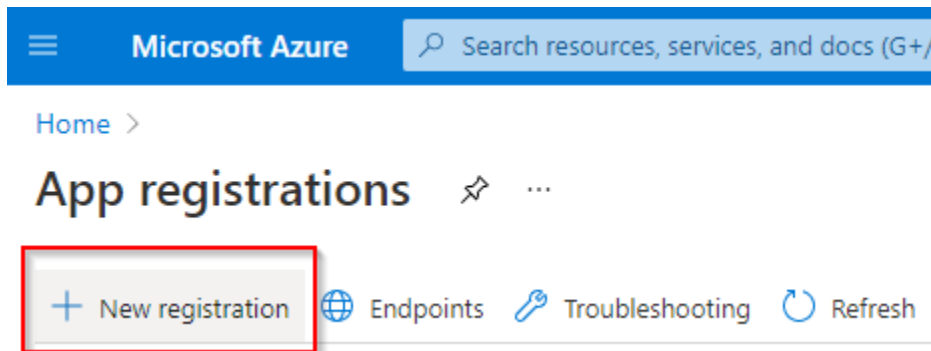# Table of contents

ELO for Microsoft Teams

Register in Azure

1. Register your website as an application (on www.portal.azure.com).

2. Select an app registration to register a new app.

3. Select *New registration*.

Register an application   ···

* Name

The user-facing display name for this application (this can be changed later).

Share-In-Teams   ✓

Supported account types

Who can use this application or access this API?

(●) Accounts in this organizational directory only (ELO Digital Office GmbH only - Single tenant)

( ) Accounts in any organizational directory (Any Azure AD directory - Multitenant)

( ) Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)

( ) Personal Microsoft accounts only

Help me choose...

Redirect URI (optional)

We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.

| Single-page application (SPA) ∨ | https://where-you-hosted-the-webapp   ✓ |

Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from Enterprise applications.

By proceeding, you agree to the Microsoft Platform Policies ⬏

Register

4. Enter a name for your application.

5. Only allow your organization to access this application.

6. Select the URI type *Single-page application (SPA)* and enter the URL/URI of your self-hosted website (see *Hosting on the ELO Application Server)*.

7. Click *Register* to complete the registration.

You know your application was registered if it has its own *application ID*.

8. Now grant API permissions to your application via Microsoft Graph.

9.

Under *Delegated permissions,* you now need to grant the app the following permissions:

• Channel.ReadBasic.All

• Team.ReadBasic.All

• TeamsTab.Create

You can find the required permissions with the help of the search bar and enable them by setting the blue check mark.

Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins as part of th all the permissions the application needs. Learn more about permissions and consent

+ Add a permission ✓ Grant admin consent for ELO Digital Office GmbH

API / Permissions name	Type	Description
∨ Microsoft Graph (4)		
Channel.ReadBasic.All	Delegated	Read the names and descriptions of channels
Team.ReadBasic.All	Delegated	Read the names and descriptions of teams
TeamsTab.Create	Delegated	Create tabs in Microsoft Teams.
User.Read	Delegated	Sign in and read user profile

Make sure that *Admin consent* has been given for your application. Your application has four rights.

1. Now authenticate your application.

   Enable *Access tokens* as well as *ID tokens* and enter the address you already used to register your application in step *6* (see also *Hosting on the ELO Application Server*).

2. Save your settings.

Host the web app

The web app is a purely static website you will find in the *www* folder. This means it can be hosted on any web server, such as the ELO application server, as a static website in Microsoft Azure, or using popular web hosting providers. It requires HTTPS encryption.

Configuration

```
css
js
locales
authConfig.js
iframe_test.html
index.html
success.html
```
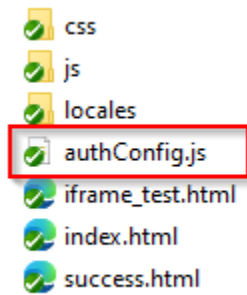
Before you upload the web app, you need to make some changes to the file *www/authConfig.js* in the *www* folder in the file system.

This document is a JavaScript file. You can open it with the program *Visual Studio Code*, for example.

Make the following changes to the *authConfig.js* file in the main folder:

1. clientId: Enter your application ID (client) here (see the chapter Register in Azure, screenshot for step 7).

2. tenantId: Enter your directory ID (tenant) here. This is located directly under *Application ID (client)* (see the chapter Register in Azure, screenshot for step 7).

```
const authConfig = {
  cliendId: "<azure-client-id>",
  tenantId: "<azure-tenant-id>",
}
```

Hosting on the ELO Application Server

If you want to host the web app on the ELO Application Server (Tomcat), copy the folder *www* to *<elo-tomcat-dir>/webapps* and rename it (e.g. to "teams").

Test

Once the web app has been hosted and the Azure app has been registered correctly, you can test the app.

Integrate selected ELO folder in Microsoft Teams.

⇥ Log on to Microsoft

Select the team and channel where you want to integrate the selected folder as a tab.

Team   ⌄

Channel   ⌄

Name of the tab

Create tab in Microsoft Teams

Go to the address where the browser is hosted. Now you can log on to the web app with your Microsoft account and integrate any website into Microsoft Teams.

ELO Integration Client

ELO for Microsoft Teams requires the ELO Integration Client. This is included in the ELO 20 and ELO 21 standard packages. If you are using ELO 12, you need to activate a corresponding license for the ELO Integration Client.

Install the ELO Integration Client and adjust the configuration as follows:

The ELO Integration Client configuration is stored in the ELO repository under:

//Administration//ELOapps//Configuration//elo.integration.Client

If there is no configuration here, you need to create a corresponding file. You can make the following entries in an empty JSON file and save the JSON object in the ELO repository at the path named above.

As described in the ELO Integration Client documentation, you can use the configuration in the JSON object to determine which functions will be available in the ELO Integration Client. More information about the range of possible functions in the ELO Integration Client is available on the ELO SupportWeb.

Microsoft Teams uses the system parameter *teams*. You need to add a configuration for this parameter.

> **Information**
>
> You can find more detailed information about the [ELO Integration Client](#) in its main documentation.

Example:

```
{
  "teams": {
    "folderMask": "(E10E1000-E100-E100-E100-E10E10E10E31)",
    "documentMask": "(E10E1000-E100-E100-E100-E10E10E10E30)",
    "newDocVersFct": true,
    "saveDocFct": true,
    "gotoFct": true
  }
}
```

Once you have completed these steps, you can check if the ELO Integration Client is configured and working correctly by going to the following URL:

```
https://<server>/ix-<archive>/plugin/de.elo.ix.plugin.proxy/wf/apps/app/elo.integration.Cli
```

Client plug-in

To complete the installation and create a button in the ELO Java Client and ELO Web Client that allows you to share your documents and folders with Microsoft Teams straight from ELO, you need to store a plug-in (ELOinst file) in the Java Client and adjust the configuration accordingly.

Install

Install the plug-in simply by dragging the file *integration.teams_1.0.eloinst* to the ELO Java Client.

Drag the file *custom_integration.teams_1.0.eloinst* to the ELO Java Client as well.
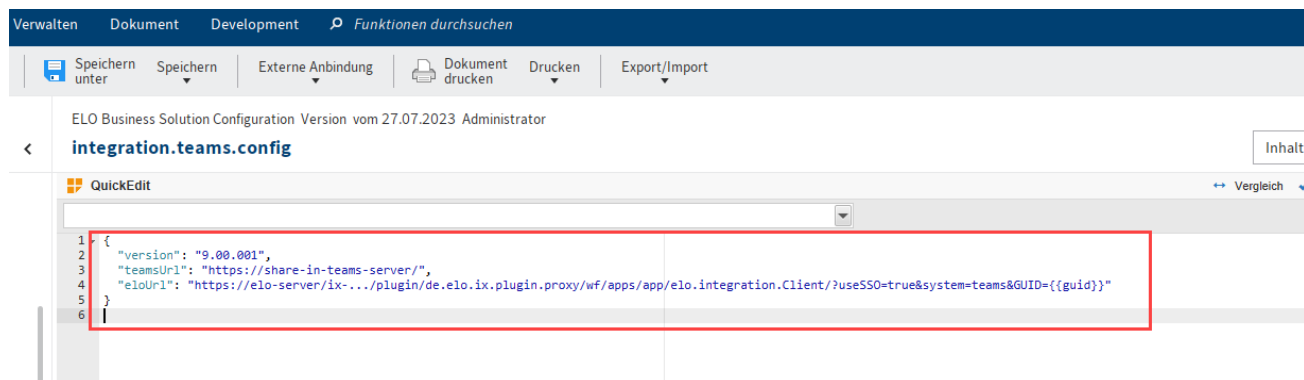
Configure
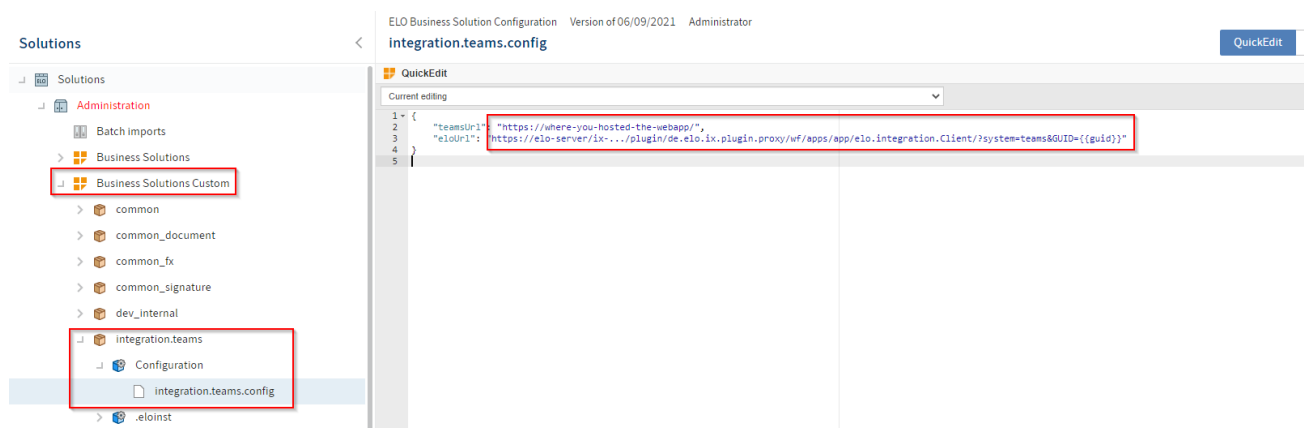
You will find the plug-in configuration file (*integration.teams.config*) in ELO under:

Administration // Business Solutions Custom // integration.teams // Configuration //

teamsUrl: Enter the URL where you installed the app (see *Register in Azure*; step *4*, or *2.2 Tomcat: Host the web app on the ELO Application Server*).


By default, the following URL is used in Microsoft Teams:

```
<ELOix-url>/plugin/de.elo.ix.plugin.proxy/wf/apps/app/elo.integration.Client/?useSSO=true&s
```

If the internal ELOix URL doesn't work (e.g. due to plain HTTP) and the ELOix or the ELO Integration Client can be reached via (HTTPS) proxy, you can also overwrite this address as follows:

```
{

    "teamsUrl": "...",
    "eloUrl": "URL-that-will be used-in-microsoft-teams-with-{{guid}}"
  }
```

Test
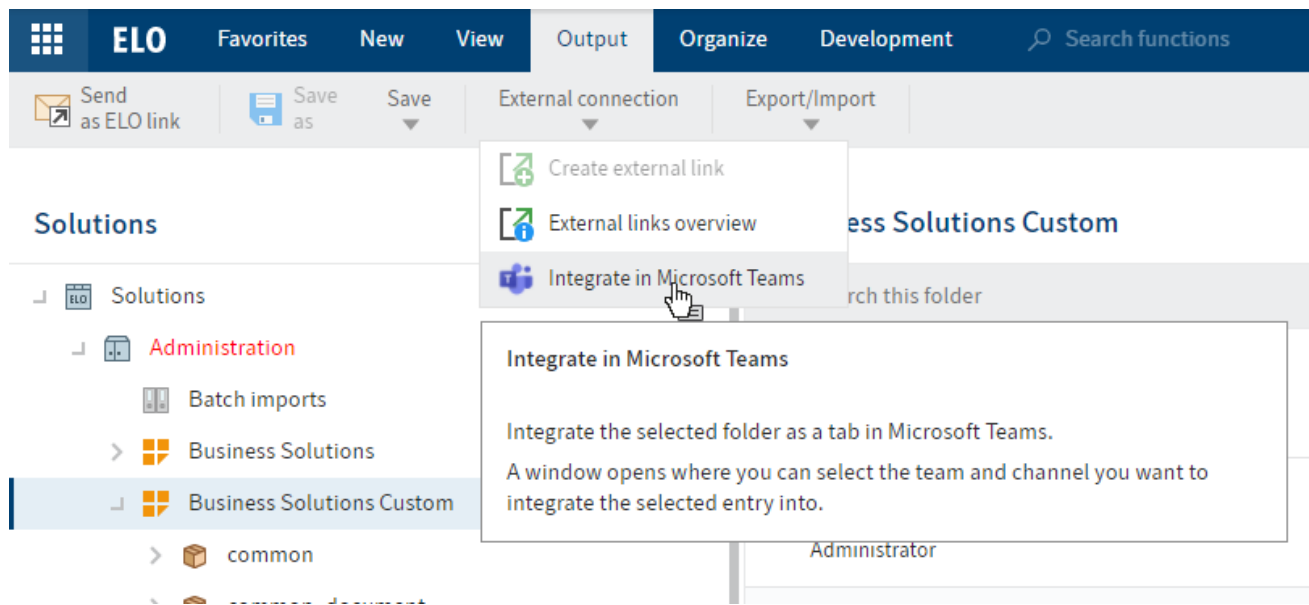
After you restart the client, the *Integrate in Microsoft Teams* button should appear in the menu.