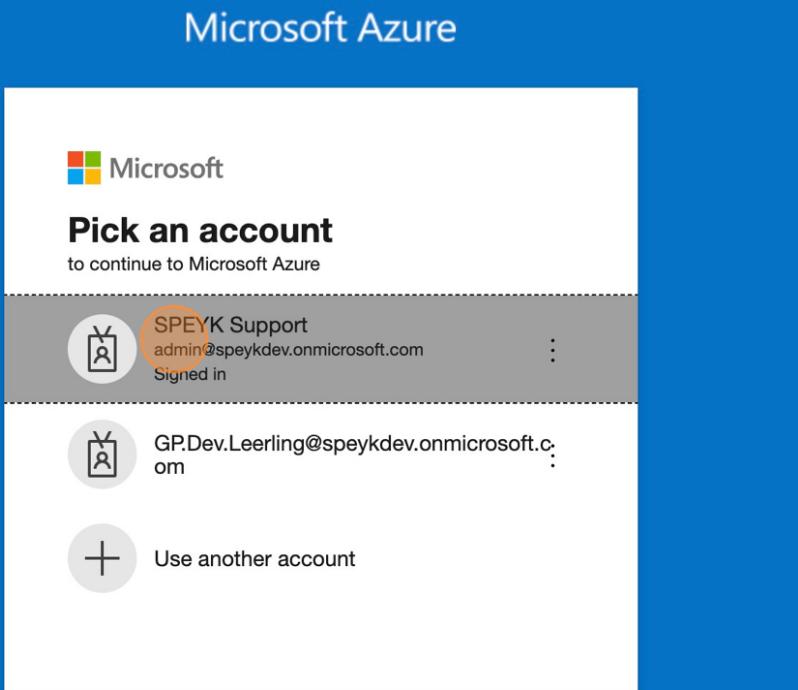


How to Configure SharePoint Online Client Extensibility Web Application

- 1 Navigate to https://login.microsoftonline.com/organizations/oauth2/v2.0/authOrize?redirect_uri=https%3A%2F%2Fportal.azure.com%2Fsignin%2Findex%2F&response_type=code%20id_token&scope=https%3A%2F%2Fmanagement.core.windows.net%2Fuser_impersonation%20openid%20email%20profile&state=OpenIdConnect.AuthenticationProperties%3DeTFGauoo2gVFbxeIFzJ_xPpf-oO0aB9X2znxhQ9MmzakvNiFhS-MZDdgYjvmWRF39nFRDTuEUMi4QS2R3gN_bQFQHBRMSKgktemsKuCNVr81JaLY9gHPRznp6aPNB0_jpqgHEzDi9mzWYiu_ejzXEgrtyeNxu61CVkG_Lpty1WQmfyd6OjRVtWI7rToUAJ42e&response_mode=form_post&nonce=638417062759355134.ZmE1NDMyMzEtYWY3YS00NWYwLTg3YzAtNTMxOTg3YWE2MGUxOTMzMjhhY2YtNGIzNi00MWQ4LWI0YjMtNTdhYjlmZmJIMMvk&client_id=c44b4083-3bb0-49c1-b47d-974e53cbdf3c&site_id=501430&prompt=select_account&client-request-id=ae35272c-74bc-4678-8a6f-45539eb4f1df&x-client-SKU=ID_NET472&x-client-ver=6.34.0.0
 - 2 Click "admin@speykdev.onmicrosoft.com"
- 

3 Click "Microsoft Entra ID"

The screenshot shows the Microsoft Azure portal's main dashboard. At the top, there's a search bar labeled "Search resources, services, and docs (G+/-)". Below the search bar, the "Azure services" section is visible, featuring a "Create a resource" button and icons for Microsoft Entra ID, Resource groups, Enterprise applications, App registrations, and Users. The "Microsoft Entra ID" icon is circled in orange. Below this, the "Resources" section shows tabs for "Recent" and "Favorite", with a table header for "Name" and "Type".

4 Click "App registrations"

The screenshot shows the "Basic information" page for an application registration named "SPEYKDev". The left sidebar lists various Azure services, with "App registrations" highlighted by an orange circle. The main area displays basic information such as Name (SPEYKDev), Tenant ID (d71896c5-795f-424e-bfb5-558dd1f95bb1), Primary domain (speykdev.onmicrosoft.com), and License (Microsoft Entra ID P1). Below this, there are sections for "Alerts" and two informational cards: "Microsoft Entra Connect v1 Retirement" and "Migrate to the converged Authentication methods policy".

5 Click "All applications"

The screenshot shows the Microsoft Entra ID interface for managing app registrations. The top navigation bar includes 'Home > SPEYKDev' and the title 'SPEYKDev | App registrations'. Below the title are tabs for 'New registration', 'Endpoints', 'Troubleshooting', 'Refresh', 'Download', and a gear icon. On the left, a sidebar titled 'Manage' lists options like 'Users', 'Groups', 'External Identities', etc. The main area has three tabs: 'All applications' (which is highlighted with an orange circle), 'Owned applications' (selected), and 'Deleted applications'. A search bar says 'Start typing a display name or application (client) ID to filter these r...'. Below it, a message states 'Starting June 30th, 2020 we will no longer add any new features to Azure Active Directory Authentication Library. Applications will no longer provide feature updates. Applications will need to be upgraded to Microsoft Authentication'. The results section shows '1 applications found' with a table containing one row: 'Display name' (msal-react-spa) and 'Client ID' (ms).

6 Click "SharePoint Online Client Extensibility Web Application Principal"

This screenshot shows the Microsoft Entra ID interface again, but with a different set of applications listed. The sidebar on the left has 'App registrations' selected. The main area shows '5 applications found' with a table. One specific row, 'SharePoint Online Client Extensibility Web Application Principal', is highlighted with an orange circle. The other rows are: 'Groeiplein-SharePoint-Embedded-App', 'msal-react-spa', 'SharePoint Online Client Extensibility Web Application Principal Helper', and 'SPEYK - Graph API'. The columns show icons for 'GR', 'MS', 'SO', and 'S-'.

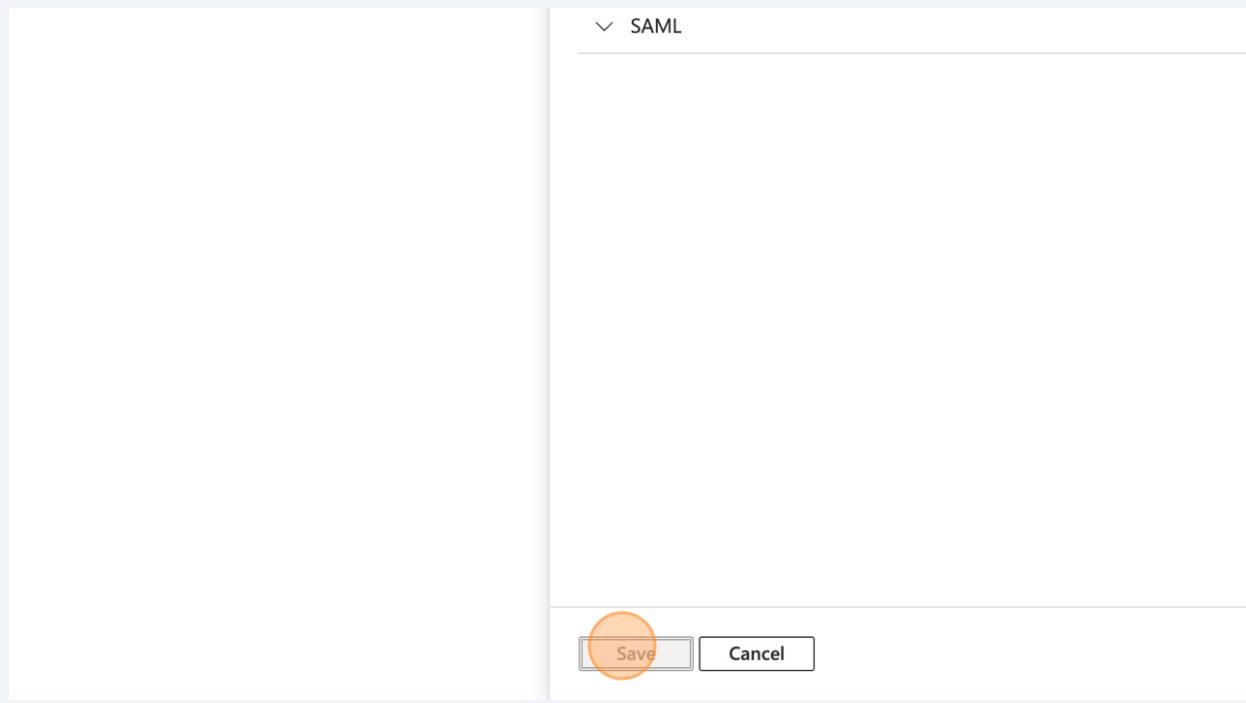
7 Click "Token configuration"

The screenshot shows the Microsoft Azure portal interface. On the left, there's a sidebar with various navigation options like Overview, Quickstart, Integration assistant, Manage, API permissions, Expose an API, App roles, Owners, Roles and administrators, Manifest, and Support + Troubleshooting. The 'Token configuration' option is highlighted with a red circle. The main content area has a header 'Essentials' with details: Display name (SharePoint Online Client Extensibility Web Application Principal), Application (client) ID (21b921aa-9c88-44c0-981a-6d662a32a997), Object ID (932fe40f-ae15-4bee-ba3e-ae9f83d912e4), Directory (tenant) ID (d71896c5-795f-424e-bfb5-558dd1f95bb1), and Supported account types (My organization only). Below this is a note about feature deprecation starting June 30th, 2020. At the bottom right, there's a 'Build your application' section.

8 Click here.

The screenshot shows the 'Optional claims' section of the Token configuration page. It includes a note about optional claims being used to configure additional information returned in tokens. There are two buttons: '+ Add optional claim' and '+ Add groups claim', with the latter also circled in red. A table below lists a single claim: 'groups' under 'Claim' and 'Optional formatting for group claims' under 'Description'.

9 Click "Save"



10 Click this button.

Token configuration

Edit groups claim

Adding the groups claim applies to Access, ID, and SAML token types. [Learn more](#)

Select group types to include in Access, ID, and SAML tokens.

Security groups

Directory roles

All groups (includes 3 group types: security groups, directory roles, and distribution lists)

Groups assigned to the application (recommended for large enterprise companies to avoid exceeding the limit on the number of groups a token can emit) (i)

Customize token properties by type

▼ ID

▼ Access

▼ SAML

11 Click "Optional formatting for group claims"

Optional claims

Optional claims are used to configure additional information which is returned in one or more tokens. [Learn more](#)

+ Add optional claim + Add groups claim

Claim ↑↓	Description
groups	Optional formatting for group claims

12 Click "SPEYKDev | App registrations"

Microsoft Azure

Search resources, services, and docs (G+/)

Home > [SPEYKDev | App registrations](#) > SharePoint Online Client Extensibility Web Application Principal

SharePoint Online Client Extensibility Web Application Principal | Token configuration

Search Got feedback?

Overview Quickstart Integration assistant

Manage

- Branding & properties
- Authentication
- Certificates & secrets
- Token configuration**
- API permissions

Optional claims

Optional claims are used to configure additional information which is returned in one or more tokens.

+ Add optional claim + Add groups claim

Claim ↑↓	Description
groups	Optional formatting for group claims

13 Click "Enterprise applications"

The screenshot shows the 'Manage' section of the Microsoft Entra ID portal. On the left, there's a sidebar with various navigation options: Users, Groups, External Identities, Roles and administrators, Administrative units, Delegated admin partners, Enterprise applications (which is highlighted with an orange circle), Devices, App registrations, Identity Governance, Application proxy, Custom security attributes, Licenses, and Cross-tenant synchronization. The main area is titled 'All applications' and shows a list of 5 applications found. The applications listed are: Groeiplein-SharePoint-Embedded-App (GR icon), msal-react-spa (MS icon), SharePoint Online Client Extensibility Web Application Principal (SO icon), SharePoint Online Client Extensibility Web Application Principal Helper (SO icon), and SPEYK - Graph API (S- icon). A search bar at the top right says 'Start typing a display name or application (client) ID to filter these ...' and a 'Add filters' button is also present.

14 Click this icon.

The screenshot shows the 'Application registrations' page. At the top, there are buttons for Refresh, Download (Export), Preview info, Columns, Preview features, and Got feedback?. Below this, a search bar contains 'Name or object ID' and 'Application type = Enterprise Applications' (which is highlighted with an orange circle). There are also filters for 'Application ID starts with' and 'Add filters'. The main table lists several application registrations:

Object ID	Application ID	Homepage URL	Created on	↑↓	Certificate Expiry Sta...	Act
99860875-7dd5-46f7-86...	de8bc8b5-d9f9-48b1-a8...		20/11/2017	-	-	-
c41c860b-dc56-4e5d-80...	c8b799ec-a2f9-4dbe-938...		06/07/2017	-	-	-
ce41294a-536e-4610-87...	e5262bcc-b0bb-491f-9d...		22/01/2024	-	-	-
e8db359e-e128-4a7b-bf...	434755cb-9ba9-48a7-84...		04/04/2023	-	-	-
f4702107-76c7-4aad-9ab...	6731de76-14a6-49ae-97...		15/03/2023	-	-	-

15 Click the "Search box" field.

The screenshot shows the Microsoft Entra ID portal interface. The top navigation bar includes 'SPEYKDev | Enterprise applications > Enterprise applications' and 'KDev - Microsoft Entra ID'. Below the navigation is a search bar with the placeholder 'Search by application name or object ID'. A magnifying glass icon is positioned next to the placeholder text. To the right of the search bar are buttons for 'New application', 'Refresh', 'Download (Export)', 'Preview info', 'Columns', and 'Print'. A sidebar on the left lists various management categories: 'Overview', 'Identity protection and solve problems', 'Applications', 'Network connectors', 'Settings', 'unchers', 'Authentication extensions', and 'Identity protection (Preview)'. The main content area displays a table titled 'All applications' with 421 entries found. The columns are 'Name', 'Object ID', 'Application ID', and 'Homepage URL'. The first few rows show entries like 'My Apps', 'Microsoft.Support...', 'Microsoft Stream ...', 'Microsoft Azure ...', and 'Directory and Poli...'. The 'Search by application name or object ID' field is highlighted with a red oval.

Name	Object ID	Application ID	Homepage URL
My Apps	011f9fa6-287e-411b-b2f...	2793995e-0a7d-40d7-bd...	
Microsoft.Support...	017722b6-d98f-4017-a0...	595d87a1-277b-4c0a-aa...	
Microsoft Stream ...	0194b60b-043b-4b57-9d...	2634dd23-5e5a-431c-81...	
Microsoft Azure ...	01e9a0f4-c1e6-4d8d-8b...	00000005-0000-0000-c0...	
Directory and Poli...	02160835-f76f-4a31-b22...	7b58f833-4438-494c-a72...	

16 Type "sharepoint"

17 Click here.

The screenshot shows the Microsoft Entra ID interface for managing applications. On the left, there's a sidebar with sections like Overview, Manage, and Security. The main area has a search bar with 'sharepoint' typed in, and a table below it showing 12 applications found. The table columns are Name, Object ID, Application ID, and Homepage URL. The first application listed is 'SharePoint Home ...' with an Object ID of 224f1ff2-e454-47d1-b58... and an Application ID of 4e445925-163e-42ca-b8... A yellow circle highlights the 'Object ID' column header.

Name	Object ID	Application ID	Homepage URL
SH SharePoint Home ...	224f1ff2-e454-47d1-b58...	4e445925-163e-42ca-b8...	
SO SharePoint Online...	2781662f-5968-4e5f-a0f...	57fb890c-0dab-4253-a5e...	
SN SharePoint Notific...	460720a9-4d71-4155-b2...	88884730-8181-4d82-9c...	
SN SharePoint Notific...	73657abe-7a67-4198-86...	3138fe80-4087-4b04-80a...	
SO SharePoint Online...	6d4b5407-da0e-440c-89...	c58637bb-e2e1-4312-8a...	
SO SharePoint Online...	5f440224-ce55-49b4-983...	08e18876-6177-487e-b8...	
SO SharePoint Online...	7f64cb47-d156-4074-ba...	3bc2296e-aa22-4ed2-9e...	

18 Click here.

This screenshot is similar to the previous one but shows a different set of applications. The search bar still has 'sharepoint'. The table shows 12 applications found, with the 'Object ID' column header highlighted by a yellow circle. The applications listed are: SharePoint Home Notifier, SharePoint Online Client, SharePoint Notification Service, SharePoint Notification Service, SharePoint Online Client Extensibility, SharePoint Online Web Client Extensibility, and SharePoint Online Web Client Extensibility Isolated.

Name	Object ID	Application ID	Homepage URL
SH SharePoint Home Notifier	224f1ff2-e454-47d1-...	4e445925-163e-42c...	
SO SharePoint Online Client	2781662f-5968-4e5f...	57fb890c-0dab-4253...	
SN SharePoint Notification Service	460720a9-4d71-415...	88884730-8181-4d8...	
SN SharePoint Notification Service	73657abe-7a67-419...	3138fe80-4087-4b04...	
SO SharePoint Online Client Extensibility	6d4b5407-da0e-440...	c58637bb-e2e1-431...	
SO SharePoint Online Web Client Extensibility	5f440224-ce55-49b4...	08e18876-6177-487...	
SO SharePoint Online Web Client Extensibility Isolated	7f64cb47-d156-4074...	3bc2296e-aa22-4ed...	

19 Click "SharePoint Online Client Extensibility Web Application Principal"

pp launchers	SO	SharePoint Online Client	278166
ustom authentication extensions (review)	SN	SharePoint Notification Service	460720
ity	SN	SharePoint Notification Service	73657a
conditional Access	SO	SharePoint Online Client Extensibility	6d4b54
onsent and permissions	SO	SharePoint Online Web Client Extensibility	5f4402
ty	SO	SharePoint Online Web Client Extensibility Isolated	7f64cb
ign-in logs	SF	SharePoint Framework Azure AD Helper	f6ff026
sage & insights	SO	SharePoint Online Client Extensibility Web Application Principal	38f334
udit logs	SO	SharePoint Online Client Extensibility Web Application Principal Helper	4b9fc9
rovisioning logs	MS	Microsoft SharePoint Online - SharePoint Home	9e697d
ccess reviews	O3	Office 365 SharePoint Online	5e1729

20 Click "Users and groups"

Properties

Name: SharePoint Online Client...
Application ID: 21b921aa-9c88-44c0-98...
Object ID: 38f3345b-04fb-43a6-8a...

Getting Started

1. Assign users and groups
Provide specific users and groups access to the applications
[Assign users and groups](#)

2. Provision User A
You'll need to create the application
[Learn more](#)

21 Click here.

Microsoft Azure

Search resources, services, and docs (G+/)

Home > SPEYKDev | Enterprise applications > Enterprise applications | All applications > SharePoint Online Client Extensibility Web Ap

SharePoint Online Client Extensibility Web Application Principal | Users an

Enterprise Application

Add user/group

Edit assignment Remove Update credentials

The application will appear for assigned users within My Apps. Set 'visible to users?' to no in properties

Assign users and groups to app-roles for your application here. To create new app-roles for this appl

First 200 shown, to search all users & gro...

Display Name	Object Type
G Groeiplein-docenten	Group
G Groeiplein-leerlingen	Group
SS SPEYK Support	User

Overview Deployment Plan Diagnose and solve problems

Manage Properties Owners Roles and administrators Users and groups Single sign-on Provisioning

22 Click "None Selected"

Microsoft Azure

Search resources, services, and docs (G+/)

Home > SPEYKDev | Enterprise applications > Enterprise applications | All applications > SharePoint Online Client Extensibility Web Ap

Add Assignment

SPEYKDev

Users and groups

None Selected

Select a role

Default Access

23 Click this field.

Search resources, services, and docs (G+ /)

ns > Enterprise applications | All apps

Users and groups

Try changing or adding filters if you don't see what you're looking for.

Search

18 results found

All Users Groups

	Name	Type	Details
<input type="checkbox"/>	All Company	Group	AllCompany.6468703.ovleq
<input type="checkbox"/>	Alle gebruikers	Group	
<input type="checkbox"/>	Caesar Bakker	User	GP.Caesar.Bakker@speykdev

24 Click "□"

Search resources, services, and docs (G+ /)

ns > Enterprise applications | All apps

Users and groups

Try changing or adding filters if you don't see what you're looking for.

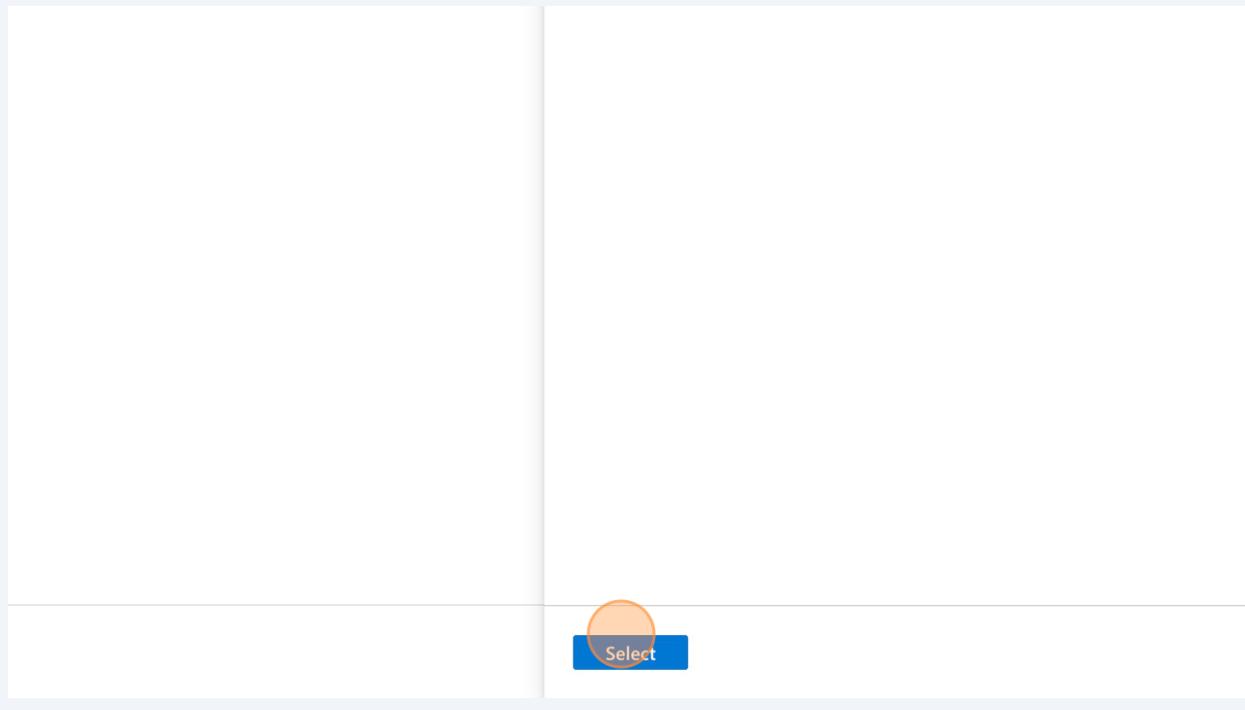
Search

1 result found

All Users Groups

	Name	Type	Details
<input checked="" type="checkbox"/>	Groeiplein-docenten	Group	Groeiplein-docenten.6468703.ovleq

25 Click "Select"



26 Click "1 group selected."

Home > SPEYKDev | Enterprise applications > Enterprise applications | All applications > SharePoint Online Client Extensibility Web Ap

Add Assignment

SPEYKDev

⚠ When you assign a group to an application, only users directly in the group will have access. The assignment does not cascade to nested groups. **X**

Users and **groups**

1 group selected.

Select a role

Default Access

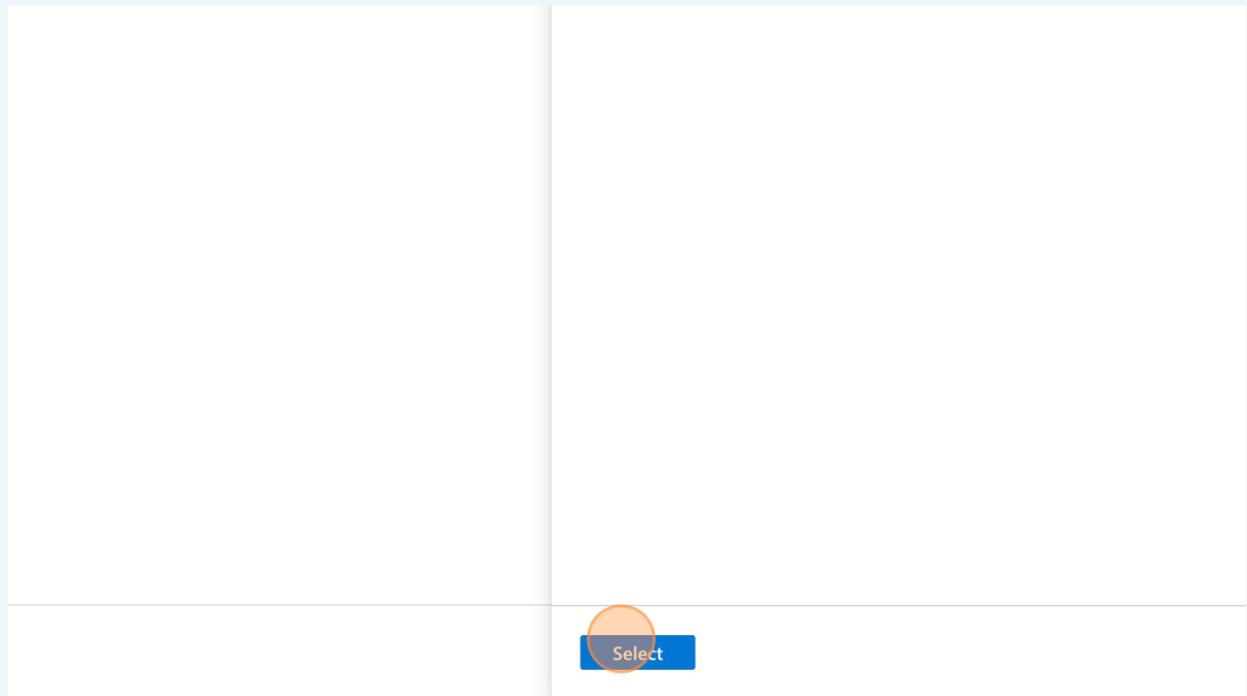
27 Click this field.

Name	Type	Details
All Company	Group	AllCompany.6468703.ovle
Alle gebruikers	Group	Allgebruikers.6468703.ovle
Caesar Bakker	User	GPCaesar.Bakker@speykd

28 Click "□"

Name	Type
Groeiplein-leerlingen	Group

29 Click "Select"



30 Click here.

Select a role

Default Access



31 Click here.

