

Membership 1.1 Administrator Guide

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1. Introduction

The Membership App shows a list with accessible sites and subsites by using search. The App is packaged as an SPFx web part and can be added to a SharePoint page.

Membership

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Site list

Title: Title of the site
 URL: URL of the site
 Type: SharePoint site or Teams connected site
 Hub: related hub site
 Owner(s): Site owners
 Views: recent views / life time views
 External: External sharing

SLIM Applications						
You have selected 967 sites						
Title	URL	Type v	Hub	Owner(s)	Views	External v
Accenture demo environ...	https://ikapa.sharepoint.com/sites/accenture				11 (302)	No
Avanade	https://ikapa.sharepoint.com/sites/accenture/avanade			Paul de Jong	5 (5)	No
M10601	https://ikapa.sharepoint.com/sites/accenture/m10601			Paul de Jong	1 (43)	No
subsubsite	https://ikapa.sharepoint.com/sites/accenture/m10601/...			Paul de Jong	1 (35)	No
subsubsubsite	https://ikapa.sharepoint.com/sites/accenture/m10601/...			Paul de Jong	2 (14)	No
M10602	https://ikapa.sharepoint.com/sites/accenture/m10602			Paul de Jong	3 (6)	No
M10603	https://ikapa.sharepoint.com/sites/accenture/m10603			Paul de Jong	1 (11)	No
M10604	https://ikapa.sharepoint.com/sites/accenture/m10604			Paul de Jong	2 (9)	No
M10605	https://ikapa.sharepoint.com/sites/accenture/m10605			Paul de Jong	4 (8)	No
AE-WSDevHub	https://ikapa.sharepoint.com/sites/ae-wsdevhub			AE-WSDevHub - Eigenaars	15 (38)	No
AE-WSDevHub2	https://ikapa.sharepoint.com/sites/ae-wsdevhub2			AE-WSDevHub2 - Eigena...	0 (0)	No
Africa	https://ikapa.sharepoint.com/sites/africa		(Hub site)	Africa - Eigenaars. Syste...	9 (17)	No
All Company	https://ikapa.sharepoint.com/sites/allcompany.614454...			All Company - Eigenaars. ...	2 (7)	No
AMC-Auftraege	https://ikapa.sharepoint.com/sites/amc-auftraege			AMC-Auftraege - Eigenaars	3 (13)	No

The App shows the sites in an alphabetical order and the subsites are shown indented. The App automatically determines if a site is connected to Microsoft Teams and private channels are shown with a pad lock.

Clicking on a link opens the selected site in a new tab.

The App also show other key characteristics such a hub sites, owners, views and whether the site is configured with external sharing.

The search bar at the top allows for efficient searching across the list with sites. The list can also be exported in CSV format by clicking the Excel icon.

The Type and External columns also provide filtering capabilities. For example, only show Teams connected sites.

Membership 1.1 is specifically developed for use with SharePoint Online. It can handle very large environments where the user has access to 500+ sites. The app will automatically make successive calls to retrieve a complete list.

2. Installation

This section describes the installation of the Membership app.

2.1 Prerequisites

The following prerequisites need to be met:

1. Account with permissions to add the App to the tenant or site app catalog.
2. Account with permissions to install the App in a site collection and create/edit a page
3. Zip file with the App

2.2 Installation

Execute the following instructions.

Installation of the App:

- download the zip file from our web site (link provided in the welcome email)
- unpack the zip file
- browse to the tenant or site app catalog
- upload the sppkg file
- click "Deploy"

Add the App to a site:

- browse to a test site and open "Site Contents"
- click on "New" and select "Add"
- click on "Membership"

Upload supporting files:

- browse to the SiteAssets library in the site
- upload the js + txt + html files

Create a page to display the Membership Web Part:

- browse to the SitePages library
- under "New" select "Web Part Page"

Note: if the Web Part Page is not available add the "Web Part Page" Content Type to the SitePages library

- select one of the templates
- add the Membership web part

The steps to customize the Membership web part are described in the following section.

2.3 Configuration

The configuration of the Membership app is controlled by the MembershipProperties.txt file. This file contains entries in the syntax <Property>,key,<value>

For example, the following lines configures the app to use 6 threads:

```
THREADS,key,6
```

The table below lists the available configuration options. The fields marked with * are relevant for SharePoint Online.

Property	Example value	Description
MODE*	SEARCH	MODE is the method used to list the sites [SEARCH REST API HYBRID] NB: for SharePoint Online only SEARCH is supported
THREADS	6	Number of parallel threads. Use a value of 6 or less.
PRIMARYURL*	slim.sharepoint.com	# PRIMARYURL contains the FQDN without protocol details and without trailing / For SharePoint Online use the tenant FQDN
AAMLIST	slim.sharepoint.com	AAMLIST contains a list separated by : characters of the Alternate Access Mappings that need to be replaced by the PRIMARYURL
EXCLUDEDSITES*	Catalog Site:App Catalog:AppCatalog	EXCLUDEDSITES contains a list separated by : characters with site names that need to be excluded
PROGRESSBAR*	hide	PROGRESSBAR shows or hides the progress bar. This is only used for mode == HYBRID. Allowed values: show hide
PROGRESSTATS*	show	PROGRESSTATS shows or hides the progress statistics. This is only used for mode == HYBRID. Allowed values: show hide
HIGHPERMISSIONLEVEL	176	Validation requests will only be treated as success if the high byte is equal or larger than this value. Read permission level == 176, Edit == 432, Full Control == 2147483647 Not supported with SharePoint Online
SHOWSAVEASCsv*	show	Show link to save the list with sites
CONTENTCLASSLIST*	STS_Site:STS_Web:STS_Site WebTemplate%3AGROUP	CONTENTCLASSLIST contains a list separated by : characters of the different content classes that need to be used for searching

PARAMETERS*	&rowlimit=500&trimduplicates=false	PARAMETERS contains a string that is appended to the search URL. It starts with & and may contain multiple name value pairs.
VALIDATESEARCHRESULTS*	Optimized	Validate search results [Skip Optimized Full]. Using skip will not perform checks, using Optimized will use search to identify Teams connected sites and Full will result in multiple checks for each search result
VALIDATIONLISTTITLES	Site Pages:Site Assets:Pages	VALIDATIONLISTTITLES contains the title(s) of the library/list used to validate Access. Not supported with SharePoint Online.
EXCLUDEDFQDNS*	slimapplications- my.sharepoint.com	XCLUDEDFQDNS contains a list of FQDNS without protocol separated by : characters
FORMATTING*	Advanced	FORMATTING controls the formatting of the results. Supported options are [Basic,Advanced]
DOCUMENTLIBRARYTEAMS*	shared documents	DOCUMENTLIBRARYTEAMS contains the name of the document library that is automatically created in Teams connected sites.
TITLE*	<Company name>	Title shown in the header. It is only used when FORMATTING == Advanced.
BACKGROUNDCOLOR*	#1A1A1A	Background color header bar (only used when FORMATTING == Advanced)
TEXTCOLOR*	#FFFFFF	Text color in header bar (only used when FORMATTING == Advanced)
EXCLUDEDOWNERS*	System Account	EXCLUDEDOWNERS contains a list with owners separate by : characters that need to be hidden (case insensitive)
WAITTIMEREQUESTS	100	WAITTIMEREQUESTS is the wait time in ms between successive requests. The default value is 100 ms but it may need to be increased for tenants with many sites to avoid getting throttled (i.e. get 429 responses). Not relevant for SharePoint Online.

Changing the MembershipProperties.txt file, saving and then reloading the SharePoint page with the Membership web part is sufficient to check the changes.

2.4 Caption

The Membership App allows for displaying a caption to inform users about the functionality of the Membership App. For example, provide further details on the columns displayed.

This is controlled via the MembershipCaption.html file. Modify the html code to suit the needs for your organization.

Note: the html file is optional.

2.5 Security

The search results are security trimmed.

The users need to have read access to the site where the Membership App is deployed.

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