

# Package: qiverse.sharepoint (via r-universe)

April 2, 2025

**Title** Sharepoint Connectivity

**Version** 0.0.1.0

**Description** A series of functions that allow users to connect to Sharepoint within an R session via the Microsoft Graph API.

**License** GPL (>= 3)

**Config/testthat/edition** 3

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.1

**URL** <https://github.com/AUS-DOH-Safety-and-Quality/qiverse/qiverse.sharepoint>

**BugReports** <https://github.com/AUS-DOH-Safety-and-Quality/qiverse/qiverse.sharepoint/issues>

**Imports** stringr, dplyr, utils, Microsoft365R

**Suggests** qiverse.azure, knitr, rmarkdown, testthat (>= 3.0.0)

**Remotes** AUS-DOH-Safety-and-Quality/qiverse/qiverse.azure

**VignetteBuilder** knitr

**Config/pak/sysreqs** libicu-dev libssl-dev

**Repository** <https://aus-doh-safety-and-quality.r-universe.dev>

**RemoteUrl** <https://github.com/AUS-DOH-Safety-and-Quality/qiverse>

**RemoteRef** main

**RemoteSha** 993a603e5ad27f9632261e36f61abf947cf31625

**RemoteSubdir** qiverse.sharepoint

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`download_sharepoint_file`*Download SharePoint File*

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**Description**

Download SharePoint File

**Usage**

```
download_sharepoint_file(  
  site_url,  
  file_url,  
  token,  
  download = FALSE,  
  download_dest = NULL  
)
```

**Arguments**

<code>site_url</code>	This is the url when first accessing the sharepoint team via your web browser (Home page)
<code>file_url</code>	This is a direct link to the file to be downloaded. It can be obtained by navigating to the file you want to download, right-clicking and selecting "Copy Link"
<code>token</code>	The token generated with the correct SharePoint permissions. Use <code>get_az_tk('sp')</code> to create this token.
<code>download</code>	Set this to <code>FALSE</code> to download the file into a temporary file. This temporary file can then be read in using any standard data reading function. Set this to <code>TRUE</code> to download the file to your computer.
<code>download_dest</code>	This option is only active when <code>download</code> is set to <code>TRUE</code> . When <code>download_location</code> is set to <code>NULL</code> , the file is just downloaded into the current working directory. Otherwise, specify the destination path to save the file.

**Value**

A temporary file stored in an object if `download` is set to `FALSE`. If `download` is set to `TRUE`, the selected file is downloaded to the chosen directory.

**Examples**

```
## Not run:  
# Create SharePoint azure token  
tk <- get_az_tk('sp')  
  
# Download file to working directory from SharePoint site  
download_sharepoint_file(  
  site_url = "https://myexample.sharepoint.com/sites/Example-Files/"),
```

```

file_url = paste0("https://myexample.sharepoint.com/:x:/r/sites/Example-Files/Shared%20Documents/Example_data
token = tk,
download = TRUE
)

# Download file to C:/ drive from SharePoint subsite
download_sharepoint_file(
  site_url = "https://myexample.sharepoint.com/sites/Example-Files/"),
file_url = paste0("https://myexample.sharepoint.com/:x:/r/sites/Example-Files/Shared%20Documents/Example_data
token = tk,
download = TRUE,
download_dest = 'C:/test.csv'
)

# Example to download to tempfile, to load straight into R memory
data <- download_sharepoint_file(
  site_url = "https://myexample.sharepoint.com/sites/Example-Files/"),
file_url = paste0("https://myexample.sharepoint.com/:x:/r/sites/Example-Files/Shared%20Documents/Example_data
token = tk,
download = FALSE
) |>
# Pipe in the appropriate function to read in the data
read.csv()

## End(Not run)

```

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download\_sharepoint\_list

*Download SharePoint list*

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## Description

Download SharePoint list

## Usage

```
download_sharepoint_list(list_url, token)
```

## Arguments

list_url	The URL of the list when accessing the list via your web browser.
token	The token generated with the correct SharePoint permissions. Use <code>get_az_tk('sp')</code> to create this token.

## Value

A data.table of the SharePoint list

## Examples

```
## Not run:
# Get the token for SharePoint
tk <- get_az_tk('sp')

# Download a particular view for the SharePoint list
list_data <- download_sharepoint_list(
  paste0("https://myexample.sharepoint.com/sites/",
        "Field%20Metadata/Lists/Fields/",
        "Latest.aspx"),
  token = tk
)

# Download the default view for the SharePoint list
list_data <- download_sharepoint_list(
  paste0("https://myexample.sharepoint.com/sites/",
        "Field%20Metadata/Lists/Fields/"),
  token = tk
)

## End(Not run)
```

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upload\_sharepoint\_file

*Upload SharePoint File*

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## Description

Upload SharePoint File

## Usage

```
upload_sharepoint_file(src, site_url, dest_flldr_url, token)
```

## Arguments

src	The file path to the local file that is being uploaded to SharePoint
site_url	This is the url when first accessing the sharepoint team via your web browser (Home page)
dest_flldr_url	This is a direct link to the SharePoint folder where the file will be uploaded to. It can be obtained by navigating to the folder you want to upload to, right-clicking and selecting "Copy Link"
token	The token generated with the correct SharePoint permissions. Use get_az_tk('sp') to create this token.

## Value

Upload local file to selected SharePoint folder.

**Examples**

```
## Not run:  
# Create SharePoint azure token  
tk <- get_az_tk('sp')  
  
# Example to upload local file to SharePoint folder  
upload_sharepoint_file(  
  src = 'TestFiles/test.txt',  
  site_url = "https://myexample.sharepoint.com/sites/Example-Files/"),  
  file_url = paste0("https://myexample.sharepoint.com/:x:/r/sites/Example-Files/Shared%20Documents/Example_data"),  
  token = tk  
)  
  
## End(Not run)
```

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