

Package ‘vtableau’

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Type Package

Title R Interface for 'Tableau' Services

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Description Provides an R interface for interacting with the 'Tableau' Server.

It allows users to perform various operations such as publishing workbooks, refreshing data extracts,

and managing users using the 'Tableau' REST API (see https://help.tableau.com/current/api/rest_api/en-us/REST/rest_api_ref.htm for details). Additionally, it includes functions to perform manipulations on local 'Tableau' workbooks.

URL <https://github.com/vusaverse/vtableau>,
<https://vusaverse.github.io/vtableau/>

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<i>add_tags_to_view</i>	<i>Add tags to a view in Tableau Server.</i>
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Description

Adds one or more tags to the specified view in the Tableau Server using the provided authentication credentials.

Usage

`add_tags_to_view(tableau, api_version = 3.8, view_id, tags)`

Arguments

<code>tableau</code>	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
<code>api_version</code>	The API version to use (default: 3.8).
<code>view_id</code>	The ID of the view to add tags to.
<code>tags</code>	A vector of tags to add to the view.

Value

The response from the API.

See Also

Other Tableau REST API: [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

add_tags_to_workbook	<i>Add tags to a workbook in Tableau Server.</i>
----------------------	--

Description

Adds one or more tags to the specified workbook in the Tableau Server using the provided authentication credentials.

Usage

```
add_tags_to_workbook(tableau, api_version = 3.8, workbook_id, tags)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The API version to use (default: 3.8).
workbook_id	The ID of the workbook to add tags to.
tags	A vector of tags to add to the workbook.

Value

The response from the API.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#),

```
get_server_users(), get_server_views(), get_server_workbooks(), get_table_assets(),
get_users_in_group(), query_user_on_site(), remove_user_from_group(), remove_user_from_site(),
run_extract_refresh_task(), update_data_source_now(), update_group(), update_user(),
update_workbook_now()
```

add_user_to_group	<i>Add User to Group</i>
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Description

Adds a user to the specified group.

Usage

```
add_user_to_group(tableau, api_version = 3.19, group_id, user_id)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The version of the API to use, such as 3.19 (default: 3.19).
group_id	The ID of the group to add the user to.
user_id	The ID (not name) of the user to add. You can get the user ID by calling Get Users on Site.

Value

The response from the API.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

add_user_to_site	<i>Add User to Site</i>
------------------	-------------------------

Description

Adds a user to Tableau Server or Tableau and assigns the user to the specified site.

Usage

```
add_user_to_site(  
  tableau,  
  site_role,  
  user_name,  
  auth_setting = NULL,  
  api_version = 3.19  
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
site_role	The site role to assign to the user.
user_name	The name of the user to add.
auth_setting	The authentication type for the user.
api_version	The API version to use (default: 3.19).

Value

The response from the API.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

```
adjust_tableau_font_style
    adjust_tableau_font_style
```

Description

Adjust the font style of a tableau file

Usage

```
adjust_tableau_font_style(
    import_files,
    font_style = "Tableau Regular",
    save_location = NULL
)
```

Arguments

import_files	selected tableau file or folder, to change its font style. If it is only a file, make sure it is a twb file.
font_style	the name of the font style you want to use (in quotation marks "")
save_location	The location to which the adjusted tableau file will be saved (this needs to be a .twb file). If empty, the adjusted tableau file will be overwritten.

Value

tableau file with the correct font style.

```
adjust_tableau_size    adjust_tableau_size
```

Description

Adjust the size of selected tableau file/files.

Usage

```
adjust_tableau_size(
    import_files,
    save_location = NULL,
    maxheight = NULL,
    maxwidth = NULL,
    minheight = NULL,
    minwidth = NULL
)
```

Arguments

import_files	selected tableau file or folder, to change its size. If it is only one file, make sure it is a twb file.
save_location	The location to which the adjusted tableau file will be saved (this needs to be a .twb file). If empty, the adjusted tableau file will be overwritten.
maxheight	Max height for tableau file, if NULL use system variables.
maxwidth	Max width for tableau file, if NULL use system variables.
minheight	Min height for tableau file, if NULL use system variables.
minwidth	Min width for tableau file, if NULL use system variables.

Value

tableau file with the correct size.

See Also

Other xml: [check_dashboard_names\(\)](#), [get_actions\(\)](#), [get_folders\(\)](#), [get_hierarchy\(\)](#), [get_nodenames\(\)](#), [get_parameter\(\)](#), [get_revision\(\)](#), [get_server_location\(\)](#), [get_tableau_data_source\(\)](#), [get_variable_folders\(\)](#), [get_variables\(\)](#), [get_workbook_id\(\)](#), [get_workbook_tabs\(\)](#), [make_rootnodes\(\)](#)

authenticate_PAT

Authenticate to Tableau Server or Tableau Cloud

Description

This function authenticates to a Tableau Server or Tableau Cloud using a personal access token (PAT).

Usage

```
authenticate_PAT(
  pat_name = tableau_pat_name(),
  pat_secret = tableau_pat_secret(),
  content_url = tableau_content_url(),
  base_url = tableau_base_url(),
  api_version = 3.4
)
```

Arguments

pat_name	The name of the personal access token (PAT). Defaults to the ‘TABLEAU_PAT_NAME’ environment variable.
pat_secret	The secret of the personal access token (PAT). Defaults to the ‘TABLEAU_PAT_SECRET’ environment variable.

content_url	The URL of the content to authenticate. Defaults to the 'TABLEAU_CONTENT_URL' environment variable. For Tableau Server, this is typically the URL of the Tableau server followed by the site ID. For Tableau Cloud, this is usually the URL of the Tableau cloud workbook.
base_url	The base URL of the Tableau server or Tableau cloud. Defaults to the 'TABLEAU_BASE_URL' environment variable. For Tableau Server, this is usually the URL of the Tableau server. For Tableau Cloud, this is usually the URL of the Tableau cloud, and it must contain the pod name, such as 10az, 10ay, or us-east-1. For example, the base URL to sign in to a site in the 10ay pod would be: https://10ay.online.tableau.com.
api_version	The API version to use. Default is 3.4.

Value

A list containing the base URL, the access token, the site ID, and the user ID.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

authenticate_server	<i>Authenticate on the Tableau server.</i>
---------------------	--

Description

Authenticates the user on the Tableau server and retrieves the necessary authentication variables for running other Tableau REST API methods.

Usage

```
authenticate_server(
    username = tableau_username(),
    password = tableau_password(),
    base_url = tableau_base_url(),
    api_version = 3.4
)
```

Arguments

username	The username on the Tableau server. Defaults to the 'TABLEAU_USERNAME' environment variable.
password	The password on the Tableau server. Defaults to the 'TABLEAU_PASSWORD' environment variable.
base_url	The base URL of the Tableau server. Defaults to the 'TABLEAU_BASE_URL' environment variable.
api_version	The API version to use (default: 3.4).

Value

A list containing the authentication variables: base_url, token, site_id, and user_id.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

check_dashboard_names *check_dashboard_names*

Description

Check the names of dashboards in tableau, according to the style guide. The wrong dashboards will be returned together with the reason why it is a wrong name

Usage

```
check_dashboard_names(import_files)
```

Arguments

import_files	selected tableau file or folder, to check the names of the dashboards. If it is only one file, make sure it is a twb file.
--------------	--

Value

the wrongly named dashboards

See Also

Other xml: [adjust_tableau_size\(\)](#), [get_actions\(\)](#), [get_folders\(\)](#), [get_hierarchy\(\)](#), [get_nodenames\(\)](#), [get_parameter\(\)](#), [get_revision\(\)](#), [get_server_location\(\)](#), [get_tableau_data_source\(\)](#), [get_variable_folders\(\)](#), [get_variables\(\)](#), [get_workbook_id\(\)](#), [get_workbook_tabs\(\)](#), [make_rootnodes\(\)](#)

create_group	Create Group
--------------	--------------

Description

Creates a group on Tableau Server or Tableau Cloud site.

Usage

`create_group(tableau, group_name, api_version = 3.19)`

Arguments

- tableau A list containing the Tableau authentication variables: 'base_url', 'token', and 'site_id'.
- group_name The name of the group to create.
- api_version The API version to use (default: 3.19).

Value

The ID of the new group.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

delete_group	<i>Delete Group</i>
--------------	---------------------

Description

Deletes the specified group from the site.

Usage

```
delete_group(tableau, group_id, api_version = 3.19)
```

Arguments

- tableau A list containing the Tableau authentication variables: ‘base_url’, ‘token’, ‘user_id’, and ‘site_id’.
- group_id The ID of the group to delete.
- api_version The API version to use (default: 3.19).

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

download_datasource	<i>Download a data source in .tdsx format using Tableau REST API and save it as a file.</i>
---------------------	---

Description

Downloads a data source in .tdsx format and saves it as a file on your computer.

Usage

```
download_datasource(  
  tableau,  
  api_version = 3.16,  
  datasource_id,  
  file_path,  
  include_extract = TRUE  
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The API version to use (default: 3.16).
datasource_id	The ID of the data source to download.
file_path	The path to save the downloaded data source.
include_extract	Logical indicating whether to include the extract when downloading the data source (default: TRUE).

Value

A binary vector containing the data source in .tdsx format.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

download_filtered_tableau_image	<i>Download filtered Tableau views to PNG images from a dataframe.</i>
---------------------------------	--

Description

Downloads PNG images of filtered Tableau views based on the provided dataframe containing filter columns and filter values.

Usage

```
download_filtered_tableau_image(
    tableau,
    df,
    view_id,
    path_to_save,
    api_version = 3.8
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
df	Dataframe containing filter columns and filter values.
view_id	The ID of the view to download.
path_to_save	The directory to write the images to.
api_version	The API version to use (default: 3.8).

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

download_tableau_crosstab_excel

Download Tableau view crosstab as Excel

Description

Downloads the crosstab data from a Tableau view in Excel format.

Usage

```
download_tableau_crosstab_excel(
    tableau,
    view_id,
    path_to_save,
    api_version = 3.16
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
view_id	The ID of the view to download.
path_to_save	The directory to write the crosstab Excel file to.
api_version	The API version to use (default: 3.16).

Note

If a crosstab is exported from a dashboard, data from only the first view in the dashboard will appear in the .xlsx file. Downloads of data from story dashboards are not supported at this time.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

download_tableau_data *Download Tableau view data as Excel*

Description

Downloads the data from a Tableau view in Excel format.

Usage

```
download_tableau_data(
  tableau,
  view_id,
  path_to_save,
  api_version = 3.8,
  filters = NULL,
  max_age = NULL
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
view_id	The ID of the view to download.
path_to_save	The directory to write the data Excel file to.
api_version	The API version to use (default: 3.8).
filters	A named list of filters to apply to the view data. The names should be the field names, and the values should be the filter values.
max_age	The maximum number of minutes view data will be cached before being refreshed (optional).

Details

This function uses the Tableau REST API to download data from a specified view in Excel format. It constructs the appropriate URL, applies any specified filters, and saves the data to the specified path.

For more information on the Tableau REST API, see the official documentation for this method: https://help.tableau.com/current/api/rest_api/en-us/REST/rest_api_ref.htm#query_view_data

See Also

Other Tableau REST API: `add_tags_to_view()`, `add_tags_to_workbook()`, `add_user_to_group()`, `add_user_to_site()`, `authenticate_PAT()`, `authenticate_server()`, `create_group()`, `delete_group()`, `download_datasource()`, `download_filtered_tableau_image()`, `download_tableau_crosstab_excel()`, `download_workbooks_server()`, `download_workbooks_server_pdf()`, `download_workbooks_server_powerpoint()`, `get_groups_for_user()`, `get_mobile_security_settings()`, `get_server_connected_apps()`, `get_server_datasources()`, `get_server_groups()`, `get_server_info()`, `get_server_jobs()`, `get_server_projects()`, `get_server_refresh_tasks()`, `get_server_schedules()`, `get_server_user_favorites()`, `get_server_users()`, `get_server_views()`, `get_server_workbooks()`, `get_table_assets()`, `get_users_in_group()`, `query_user_on_site()`, `remove_user_from_group()`, `remove_user_from_site()`, `run_extract_refresh_task()`, `update_data_source_now()`, `update_group()`, `update_user()`, `update_workbook_now()`

Examples

```
## Not run:
tableau <- list(
  base_url = "https://your-tableau-server.com/",
  token = "your-auth-token",
  user_id = "your-user-id",
  site_id = "your-site-id"
)
view_id <- "your-view-id"
path_to_save <- "path/to/save/"
filters <- list("Region" = "North America", "Category" = "Technology")
max_age <- 10
download_tableau_data(tableau, view_id, path_to_save, filters = filters, max_age = max_age)
```



```
## End(Not run)
```

```
download_workbooks_server
```

Download workbook from Tableau Server.

Description

Downloads a workbook from the Tableau Server using the provided authentication credentials and saves it to the specified path.

Usage

```
download_workbooks_server(  
  tableau,  
  api_version = 3.4,  
  workbook_id,  
  path_to_save,  
  include_extract = FALSE  
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The API version to use (default: 3.4).
workbook_id	The identifier of the workbook to download.
path_to_save	The file path to save the downloaded workbook.
include_extract	Logical indicating whether to include the extract file (default: FALSE).

Value

NULL.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#),

```
get_users_in_group(), query_user_on_site(), remove_user_from_group(), remove_user_from_site(),
run_extract_refresh_task(), update_data_source_now(), update_group(), update_user(),
update_workbook_now()
```

download_workbooks_server_pdf

Download workbook PDF from Tableau Server.

Description

Downloads a PDF version of a workbook from the Tableau Server using the provided authentication credentials and saves it to the specified path.

Usage

```
download_workbooks_server_pdf(
    tableau,
    api_version = 3.4,
    workbook_id,
    path_to_save
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The API version to use (default: 3.4).
workbook_id	The identifier of the workbook to download.
path_to_save	The file path to save the downloaded PDF file.

Value

NULL.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

download_workbooks_server_powerpoint

Download workbook PowerPoint from Tableau Server.

Description

Downloads a PowerPoint version of a workbook from the Tableau Server using the provided authentication credentials and saves it to the specified path.

Usage

```
download_workbooks_server_powerpoint(
    tableau,
    api_version = 3.8,
    workbook_id,
    path_to_save
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The API version to use (default: 3.8).
workbook_id	The identifier of the workbook to download.
path_to_save	The file path to save the downloaded PowerPoint file.

Value

NULL.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

escape_special_chars	Escape characters for url
----------------------	---------------------------

Description

Escape characters for url

Usage

escape_special_chars(url)

Arguments

url the url

Value

escaped string

get_actions	Get Workbook actions
-------------	----------------------

Description

Get Workbook actions

Usage

get_actions(wb)

Arguments

wb The path to the Tableau workbook [.twb].

Value

Dataframe containing the workbook actions.

See Also

Other xml: [adjust_tableau_size\(\)](#), [check_dashboard_names\(\)](#), [get_folders\(\)](#), [get_hierarchy\(\)](#), [get_nodenames\(\)](#), [get_parameter\(\)](#), [get_revision\(\)](#), [get_server_location\(\)](#), [get_tableau_data_source\(\)](#), [get_variable_folders\(\)](#), [get_variables\(\)](#), [get_workbook_id\(\)](#), [get_workbook_tabs\(\)](#), [make_rootnodes\(\)](#)

Examples

```
## Not run:
# Get Workbook actions
actions <- get_actions(wb = "path/to/workbook.twb")
head(actions)

## End(Not run)
```

get_folders	<i>Get folder structure workbook</i>
-------------	--------------------------------------

Description

Get folder structure workbook

Usage

```
get_folders(wb)
```

Arguments

wb	The path to the Tableau workbook file [.twb].
----	---

Value

A dataframe containing the folder names and the variables stored inside.

See Also

Other xml: [adjust_tableau_size\(\)](#), [check_dashboard_names\(\)](#), [get_actions\(\)](#), [get_hierarchy\(\)](#), [get_nodenames\(\)](#), [get_parameter\(\)](#), [get_revision\(\)](#), [get_server_location\(\)](#), [get_tableau_data_source\(\)](#), [get_variable_folders\(\)](#), [get_variables\(\)](#), [get_workbook_id\(\)](#), [get_workbook_tabs\(\)](#), [make_rootnodes\(\)](#)

get_groups_for_user	<i>Get Groups for a User</i>
---------------------	------------------------------

Description

Gets a list of groups that the specified user is a member of.

Usage

```
get_groups_for_user(
    tableau,
    api_version = 3.19,
    user_id,
    page_size = 100,
    page_number = 1,
    include_metadata = FALSE
)
```

Arguments

<code>tableau</code>	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
<code>api_version</code>	The API version to use (default: 3.19).
<code>user_id</code>	The ID of the user whose group memberships are listed.
<code>page_size</code>	(Optional) The number of items to return in one response. The minimum is 1. The maximum is 1000. The default is 100. For more information, see Paginating Results .
<code>page_number</code>	(Optional) The offset for paging. The default is 1. For more information, see Paginating Results .
<code>include_metadata</code>	Logical indicating whether to include metadata columns in the result (default: FALSE).

Value

A table containing the groups for the specified user.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

get_hierarchy	<i>Get Workbook drilldown hierarchies</i>
---------------	---

Description

Get Workbook drilldown hierarchies

Usage

```
get_hierarchy(wb)
```

Arguments

wb	The path to the Tableau workbook [.twb].
----	--

Value

Dataframe containing the workbook hierarchy drill downs.

See Also

Other xml: [adjust_tableau_size\(\)](#), [check_dashboard_names\(\)](#), [get_actions\(\)](#), [get_folders\(\)](#), [get_nodenames\(\)](#), [get_parameter\(\)](#), [get_revision\(\)](#), [get_server_location\(\)](#), [get_tableau_data_source\(\)](#), [get_variable_folders\(\)](#), [get_variables\(\)](#), [get_workbook_id\(\)](#), [get_workbook_tabs\(\)](#), [make_rootnodes\(\)](#)

get_mobile_security_settings	<i>Get mobile security settings for the server using Tableau REST API.</i>
------------------------------	--

Description

Retrieves the mobile security settings for the Tableau Server.

Usage

```
get_mobile_security_settings(tableau, api_version = 3.19)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id'.
api_version	The API version to use (default: 3.19).

Value

A list containing the mobile security settings for the server.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

get_nodenames	<i>Get all nodenames</i>
---------------	--------------------------

Description

Get all nodenames

Usage

get_nodenames(proc)

Arguments

proc	The rootnode
------	--------------

Value

nodenames

See Also

Other xml: [adjust_tableau_size\(\)](#), [check_dashboard_names\(\)](#), [get_actions\(\)](#), [get_folders\(\)](#), [get_hierarchy\(\)](#), [get_parameter\(\)](#), [get_revision\(\)](#), [get_server_location\(\)](#), [get_tableau_data_source\(\)](#), [get_variable_folders\(\)](#), [get_variables\(\)](#), [get_workbook_id\(\)](#), [get_workbook_tabs\(\)](#), [make_rootnodes\(\)](#)

get_parameter	<i>Get all parameters in workbook.</i>
---------------	--

Description

Get all parameters in workbook.

Usage

```
get_parameter(wb)
```

Arguments

wb	The path to the tableau workbook [.twb].
----	--

Value

Dataframe

See Also

Other xml: [adjust_tableau_size\(\)](#), [check_dashboard_names\(\)](#), [get_actions\(\)](#), [get_folders\(\)](#), [get_hierarchy\(\)](#), [get_nodenames\(\)](#), [get_revision\(\)](#), [get_server_location\(\)](#), [get_tableau_data_source\(\)](#), [get_variable_folders\(\)](#), [get_variables\(\)](#), [get_workbook_id\(\)](#), [get_workbook_tabs\(\)](#), [make_rootnodes\(\)](#)

get_revision	<i>Get the revision number</i>
--------------	--------------------------------

Description

Get the revision number

Usage

```
get_revision(wb)
```

Arguments

wb	The path to the Tableau workbook file [.twb].
----	---

Value

The revision number

See Also

Other xml: [adjust_tableau_size\(\)](#), [check_dashboard_names\(\)](#), [get_actions\(\)](#), [get_folders\(\)](#), [get_hierarchy\(\)](#), [get_nodenames\(\)](#), [get_parameter\(\)](#), [get_server_location\(\)](#), [get_tableau_data_source\(\)](#), [get_variable_folders\(\)](#), [get_variables\(\)](#), [get_workbook_id\(\)](#), [get_workbook_tabs\(\)](#), [make_rootnodes\(\)](#)

get_server_connected_apps

Get connected applications from Tableau Server.

Description

Retrieves information about connected applications from the Tableau Server using the provided authentication credentials.

Usage

```
get_server_connected_apps(tableau, api_version = 3.14, page_size = 100)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The API version to use (default: 3.14).
page_size	The number of records to retrieve per page (default: 100).

Value

A data frame containing the connected applications information.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

`get_server_datasources`*Get datasources from Tableau Server.*

Description

Retrieves information about datasources from the Tableau Server using the provided authentication credentials.

Usage

```
get_server_datasources(  
    tableau,  
    api_version = 3.4,  
    page_number = 1,  
    page_size = 100,  
    include_metadata = FALSE  
)
```

Arguments

<code>tableau</code>	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
<code>api_version</code>	The API version to use (default: 3.4).
<code>page_number</code>	The page number of the results to retrieve (default: 1).
<code>page_size</code>	The number of records to retrieve per page (default: 100).
<code>include_metadata</code>	Logical indicating whether to include metadata columns in the result (default: FALSE).

Value

A data frame containing the datasource information.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

get_server_groups	<i>Get groups from Tableau Server.</i>
-------------------	--

Description

Retrieves a list of groups from the Tableau Server using the provided authentication credentials.

Usage

```
get_server_groups(  
    tableau,  
    api_version = 3.4,  
    page_number = 1,  
    page_size = 100,  
    include_metadata = FALSE  
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The API version to use (default: 3.4).
page_number	The page number of the results to retrieve (default: 1).
page_size	The number of records to retrieve per page (default: 100).
include_metadata	Logical indicating whether to include metadata columns in the result (default: FALSE).

Value

A data frame containing the groups information.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

get_server_info

Get datasources from Tableau Server.

Description

Retrieves information about the Tableau server site using the provided authentication credentials.

Usage

```
get_server_info(
    tableau,
    api_version = 3.4,
    page_size = 100,
    include_metadata = FALSE
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The API version to use (default: 3.4).
page_size	The number of records to retrieve per page (default: 100).
include_metadata	Logical indicating whether to include metadata columns in the result (default: FALSE).

Value

A data frame containing the server site information.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

get_server_jobs	<i>Get server jobs from Tableau server.</i>
-----------------	---

Description

Retrieves a list of server jobs from the Tableau server using the provided authentication credentials.

Usage

```
get_server_jobs(  
  tableau,  
  api_version = 3.4,  
  page_number = 1,  
  page_size = 100,  
  include_metadata = FALSE  
)
```

Arguments

tableau	A list containing the Tableau authentication variables: base_url, token, user_id, and site_id.
api_version	The API version to use (default: "3.4").
page_number	The page number of the results to retrieve (default: 1).
page_size	The number of jobs to retrieve per page (default: 100).
include_metadata	Logical indicating whether to include metadata columns in the result (default: FALSE).

Value

A data frame containing the server jobs information.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

get_server_location	<i>Get the server location.</i>
---------------------	---------------------------------

Description

Get the server location.

Usage

```
get_server_location(wb)
```

Arguments

wb	The path to the Tableau workbook [.twb].
----	--

Value

The server location of the workbook.

See Also

Other xml: [adjust_tableau_size\(\)](#), [check_dashboard_names\(\)](#), [get_actions\(\)](#), [get_folders\(\)](#), [get_hierarchy\(\)](#), [get_nodenames\(\)](#), [get_parameter\(\)](#), [get_revision\(\)](#), [get_tableau_data_source\(\)](#), [get_variable_folders\(\)](#), [get_variables\(\)](#), [get_workbook_id\(\)](#), [get_workbook_tabs\(\)](#), [make_rootnodes\(\)](#)

get_server_projects	<i>Get projects from Tableau server.</i>
---------------------	--

Description

Retrieves a list of projects from the Tableau server using the provided authentication credentials.

Usage

```
get_server_projects(  
  tableau,  
  api_version = 3.4,  
  page_number = 1,  
  page_size = 100,  
  include_metadata = FALSE  
)
```

Arguments

tableau	A list containing the Tableau authentication variables: base_url, token, site_id, and user_id.
api_version	The API version to use (default: "3.4").
page_number	The page number of the results to retrieve (default: 1).
page_size	The number of projects to retrieve per page (default: 100).
include_metadata	Logical indicating whether to include metadata columns in the result (default: FALSE).

Value

A data frame containing the projects information.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

get_server_refresh_tasks
<i>Get extract refresh tasks from Tableau Server.</i>

Description

Retrieves a list of extract refresh tasks from the Tableau Server using the provided authentication credentials.

Usage

```
get_server_refresh_tasks(tableau, api_version = 3.4, page_size = 100)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The API version to use (default: 3.4).
page_size	The number of records to retrieve per page (default: 100).

Value

A data frame containing the extract refresh tasks information.

See Also

Other Tableau REST API: `add_tags_to_view()`, `add_tags_to_workbook()`, `add_user_to_group()`, `add_user_to_site()`, `authenticate_PAT()`, `authenticate_server()`, `create_group()`, `delete_group()`, `download_datasource()`, `download_filtered_tableau_image()`, `download_tableau_crosstab_excel()`, `download_tableau_data()`, `download_workbooks_server()`, `download_workbooks_server_pdf()`, `download_workbooks_server_powerpoint()`, `get_groups_for_user()`, `get_mobile_security_settings()`, `get_server_connected_apps()`, `get_server_datasources()`, `get_server_groups()`, `get_server_info()`, `get_server_jobs()`, `get_server_projects()`, `get_server_schedules()`, `get_server_user_favorites()`, `get_server_users()`, `get_server_views()`, `get_server_workbooks()`, `get_table_assets()`, `get_users_in_group()`, `query_user_on_site()`, `remove_user_from_group()`, `remove_user_from_site()`, `run_extract_refresh_task()`, `update_data_source_now()`, `update_group()`, `update_user()`, `update_workbook_now()`

<code>get_server_schedules</code>	<i>Get schedules from Tableau server.</i>
-----------------------------------	---

Description

Retrieves a list of schedules from the Tableau server using the provided authentication credentials.

Usage

```
get_server_schedules(
  tableau,
  api_version = 3.4,
  page_number = 1,
  page_size = 100,
  include_metadata = FALSE
)
```

Arguments

<code>tableau</code>	A list containing the Tableau authentication variables: 'base_url' and 'token'.
<code>api_version</code>	The API version to use (default: 3.4).
<code>page_number</code>	The page number of the results to retrieve (default: 1).
<code>page_size</code>	The number of records to retrieve per page (default: 100).
<code>include_metadata</code>	Logical indicating whether to include metadata columns in the result (default: FALSE).

Value

A data frame containing the schedules information.

See Also

Other Tableau REST API: `add_tags_to_view()`, `add_tags_to_workbook()`, `add_user_to_group()`, `add_user_to_site()`, `authenticate_PAT()`, `authenticate_server()`, `create_group()`, `delete_group()`, `download_datasource()`, `download_filtered_tableau_image()`, `download_tableau_crosstab_excel()`, `download_tableau_data()`, `download_workbooks_server()`, `download_workbooks_server_pdf()`, `download_workbooks_server_powerpoint()`, `get_groups_for_user()`, `get_mobile_security_settings()`, `get_server_connected_apps()`, `get_server_datasources()`, `get_server_groups()`, `get_server_info()`, `get_server_jobs()`, `get_server_projects()`, `get_server_refresh_tasks()`, `get_server_user_favorites()`, `get_server_users()`, `get_server_views()`, `get_server_workbooks()`, `get_table_assets()`, `get_users_in_group()`, `query_user_on_site()`, `remove_user_from_group()`, `remove_user_from_site()`, `run_extract_refresh_task()`, `update_data_source_now()`, `update_group()`, `update_user()`, `update_workbook_now()`

<code>get_server_users</code>	<i>Get users from Tableau server.</i>
-------------------------------	---------------------------------------

Description

Retrieves a list of users from the Tableau server using the provided authentication credentials.

Usage

```
get_server_users(  
    tableau,  
    api_version = 3.4,  
    page_number = 1,  
    page_size = 100,  
    include_metadata = FALSE  
)
```

Arguments

<code>tableau</code>	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
<code>api_version</code>	The API version to use (default: 3.4).
<code>page_number</code>	The page number of the results to retrieve (default: 1).
<code>page_size</code>	The number of users to retrieve per page (default: 100).
<code>include_metadata</code>	Logical indicating whether to include metadata columns in the result (default: FALSE).

Value

A data frame containing the users information.

See Also

Other Tableau REST API: `add_tags_to_view()`, `add_tags_to_workbook()`, `add_user_to_group()`, `add_user_to_site()`, `authenticate_PAT()`, `authenticate_server()`, `create_group()`, `delete_group()`, `download_datasource()`, `download_filtered_tableau_image()`, `download_tableau_crosstab_excel()`, `download_tableau_data()`, `download_workbooks_server()`, `download_workbooks_server_pdf()`, `download_workbooks_server_powerpoint()`, `get_groups_for_user()`, `get_mobile_security_settings()`, `get_server_connected_apps()`, `get_server_datasources()`, `get_server_groups()`, `get_server_info()`, `get_server_jobs()`, `get_server_projects()`, `get_server_refresh_tasks()`, `get_server_schedules()`, `get_server_user_favorites()`, `get_server_views()`, `get_server_workbooks()`, `get_table_assets()`, `get_users_in_group()`, `query_user_on_site()`, `remove_user_from_group()`, `remove_user_from_site()`, `run_extract_refresh_task()`, `update_data_source_now()`, `update_group()`, `update_user()`, `update_workbook_now()`

`get_server_user_favorites`

Get favorites for a user from Tableau Server.

Description

Retrieves a list of favorite projects, data sources, views, workbooks, and flows for a specific user on Tableau Server.

Usage

```
get_server_user_favorites(
    tableau,
    user_id,
    api_version = 3.4,
    page_size = 100,
    page_number = 1
)
```

Arguments

<code>tableau</code>	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
<code>user_id</code>	The ID of the user for which you want to retrieve the favorites.
<code>api_version</code>	The API version to use (default: 3.4).
<code>page_size</code>	The number of items to return in one response (default: 100).
<code>page_number</code>	The offset for paging (default: 1).

Value

A data frame containing the favorites for the specified user.

See Also

Other Tableau REST API: `add_tags_to_view()`, `add_tags_to_workbook()`, `add_user_to_group()`, `add_user_to_site()`, `authenticate_PAT()`, `authenticate_server()`, `create_group()`, `delete_group()`, `download_datasource()`, `download_filtered_tableau_image()`, `download_tableau_crosstab_excel()`, `download_tableau_data()`, `download_workbooks_server()`, `download_workbooks_server_pdf()`, `download_workbooks_server_powerpoint()`, `get_groups_for_user()`, `get_mobile_security_settings()`, `get_server_connected_apps()`, `get_server_datasources()`, `get_server_groups()`, `get_server_info()`, `get_server_jobs()`, `get_server_projects()`, `get_server_refresh_tasks()`, `get_server_schedules()`, `get_server_users()`, `get_server_views()`, `get_server_workbooks()`, `get_table_assets()`, `get_users_in_group()`, `query_user_on_site()`, `remove_user_from_group()`, `remove_user_from_site()`, `run_extract_refresh_task()`, `update_data_source_now()`, `update_group()`, `update_user()`, `update_workbook_now()`

get_server_views	Get views from Tableau server.
------------------	--------------------------------

Description

Retrieves a list of views from the Tableau server using the provided authentication credentials.

Usage

```
get_server_views(  
    tableau,  
    api_version = 3.4,  
    page_number = 1,  
    page_size = 100,  
    include_statistics = TRUE,  
    include_metadata = FALSE  
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The API version to use (default: 3.4).
page_number	The page number of the results to retrieve (default: 1).
page_size	The number of views to retrieve per page (default: 100).
include_statistics	Logical indicating whether to include usage statistics in the result (default: TRUE).
include_metadata	Logical indicating whether to include metadata columns in the result (default: FALSE).

Value

A data frame containing the views information.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

get_server_workbooks *Get workbooks from Tableau server.*

Description

Retrieves a list of workbooks from the Tableau server using the provided authentication credentials.

Usage

```
get_server_workbooks(
  tableau,
  api_version = 3.4,
  page_number = 1,
  page_size = 100,
  include_metadata = FALSE
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The API version to use (default: 3.4).
page_number	The page number of the results to retrieve (default: 1).
page_size	The number of workbooks to retrieve per page (default: 100).
include_metadata	Logical indicating whether to include metadata columns in the result (default: FALSE).

Value

A data frame containing the workbooks information.

See Also

Other Tableau REST API: `add_tags_to_view()`, `add_tags_to_workbook()`, `add_user_to_group()`, `add_user_to_site()`, `authenticate_PAT()`, `authenticate_server()`, `create_group()`, `delete_group()`, `download_datasource()`, `download_filtered_tableau_image()`, `download_tableau_crosstab_excel()`, `download_tableau_data()`, `download_workbooks_server()`, `download_workbooks_server_pdf()`, `download_workbooks_server_powerpoint()`, `get_groups_for_user()`, `get_mobile_security_settings()`, `get_server_connected_apps()`, `get_server_datasources()`, `get_server_groups()`, `get_server_info()`, `get_server_jobs()`, `get_server_projects()`, `get_server_refresh_tasks()`, `get_server_schedules()`, `get_server_user_favorites()`, `get_server_users()`, `get_server_views()`, `get_table_assets()`, `get_users_in_group()`, `query_user_on_site()`, `remove_user_from_group()`, `remove_user_from_site()`, `run_extract_refresh_task()`, `update_data_source_now()`, `update_group()`, `update_user()`, `update_workbook_now()`

get_tableau_data_source

Get Tableau data source

Description

Search XML for data source of Tableau workbook

Usage

```
get_tableau_data_source(dashboard)
```

Arguments

dashboard Path to Tableau twb file.

Value

Data source of the workbook

See Also

Other xml: `adjust_tableau_size()`, `check_dashboard_names()`, `get_actions()`, `get_folders()`, `get_hierarchy()`, `get_nodenames()`, `get_parameter()`, `get_revision()`, `get_server_location()`, `get_variable_folders()`, `get_variables()`, `get_workbook_id()`, `get_workbook_tabs()`, `make_rootnodes()`

Examples

```
## Not run:
# Get Tableau data source
data_source <- get_tableau_data_source(dashboard = "path/to/workbook.twb")
print(data_source)

## End(Not run)
```

get_table_assets	<i>Get table assets from Tableau Server.</i>
------------------	--

Description

Retrieves information about all table assets for a site from the Tableau Server using the provided authentication credentials.

Usage

```
get_table_assets(tableau, api_version = 3.8)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The API version to use (default: 3.8).

Value

A data frame containing the table assets information.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

get_users_in_group	<i>Get Users in Group</i>
--------------------	---------------------------

Description

Gets a list of users in the specified group.

Usage

```
get_users_in_group(
    tableau,
    api_version = 3.19,
    group_id,
    page_size = 100,
    page_number = 1
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The version of the API to use, such as 3.21.
group_id	The ID of the group to get the users for.
page_size	The number of items to return in one response. The minimum is 1. The maximum is 1000. The default is 100.
page_number	The offset for paging. The default is 1.

Value

A list of users in the specified group.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

get_variables	<i>Get variable names from workbook.</i>
---------------	--

Description

Get variable names from workbook.

Usage

```
get_variables(wb)
```

Arguments

wb	The path to the Tableau workbook file [.twb].
----	---

Value

Dataframe

See Also

Other xml: [adjust_tableau_size\(\)](#), [check_dashboard_names\(\)](#), [get_actions\(\)](#), [get_folders\(\)](#), [get_hierarchy\(\)](#), [get_nodenames\(\)](#), [get_parameter\(\)](#), [get_revision\(\)](#), [get_server_location\(\)](#), [get_tableau_data_source\(\)](#), [get_variable_folders\(\)](#), [get_workbook_id\(\)](#), [get_workbook_tabs\(\)](#), [make_rootnodes\(\)](#)

get_variable_folders	<i>Get folder names</i>
----------------------	-------------------------

Description

Get folder names

Usage

```
get_variable_folders(wb)
```

Arguments

wb	The path to the Tableau workbook file [.twb].
----	---

Value

Dataframe containing the variable folder names

See Also

Other xml: [adjust_tableau_size\(\)](#), [check_dashboard_names\(\)](#), [get_actions\(\)](#), [get_folders\(\)](#), [get_hierarchy\(\)](#), [get_nodenames\(\)](#), [get_parameter\(\)](#), [get_revision\(\)](#), [get_server_location\(\)](#), [get_tableau_data_source\(\)](#), [get_variables\(\)](#), [get_workbook_id\(\)](#), [get_workbook_tabs\(\)](#), [make_rootnodes\(\)](#)

get_workbook_id	<i>Get workbook ID name.</i>
-----------------	------------------------------

Description

Get workbook ID name.

Usage

get_workbook_id(wb)

Arguments

wb The path to the Tableau workbook [.twb].

Value

The ID name of the workbook.

See Also

Other xml: [adjust_tableau_size\(\)](#), [check_dashboard_names\(\)](#), [get_actions\(\)](#), [get_folders\(\)](#), [get_hierarchy\(\)](#), [get_nodenames\(\)](#), [get_parameter\(\)](#), [get_revision\(\)](#), [get_server_location\(\)](#), [get_tableau_data_source\(\)](#), [get_variable_folders\(\)](#), [get_variables\(\)](#), [get_workbook_tabs\(\)](#), [make_rootnodes\(\)](#)

get_workbook_tabs	<i>Get workbook tabs</i>
-------------------	--------------------------

Description

Get workbook tabs

Usage

get_workbook_tabs(wb)

Arguments

wb The path to the Tableau workbook file [.twb].

Value

Dataframe

See Also

Other xml: [adjust_tableau_size\(\)](#), [check_dashboard_names\(\)](#), [get_actions\(\)](#), [get_folders\(\)](#), [get_hierarchy\(\)](#), [get_nodenames\(\)](#), [get_parameter\(\)](#), [get_revision\(\)](#), [get_server_location\(\)](#), [get_tableau_data_source\(\)](#), [get_variable_folders\(\)](#), [get_variables\(\)](#), [get_workbook_id\(\)](#), [make_rootnodes\(\)](#)

get_workbook_urls	<i>Get Workbook URLs</i>
-------------------	--------------------------

Description

This function parses an XML document representing a Tableau workbook and finds all nodes that have a url attribute containing 'views'. It then extracts these URLs and returns them in a data frame.

Usage

```
get_workbook_urls(wb)
```

Arguments

wb	The path to the Tableau workbook file (.twb).
----	---

Value

A data frame containing the URLs found in the workbook.

make_rootnodes	<i>make_rootnodes</i>
----------------	-----------------------

Description

make_rootnodes

Usage

```
make_rootnodes(wb)
```

Arguments

wb	The path to the tableau workbook file [.twb].
----	---

Value

The rootnodes.

See Also

Other xml: [adjust_tableau_size\(\)](#), [check_dashboard_names\(\)](#), [get_actions\(\)](#), [get_folders\(\)](#), [get_hierarchy\(\)](#), [get_nodenames\(\)](#), [get_parameter\(\)](#), [get_revision\(\)](#), [get_server_location\(\)](#), [get_tableau_data_source\(\)](#), [get_variable_folders\(\)](#), [get_variables\(\)](#), [get_workbook_id\(\)](#), [get_workbook_tabs\(\)](#)

query_user_on_site	<i>Query User On Site</i>
--------------------	---------------------------

Description

Returns information about the specified user.

Usage

```
query_user_on_site(tableau, user_id, api_version = 3.19)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', and 'site_id'.
user_id	The ID of the user to get information for.
api_version	The API version to use (default: 3.19).

Value

Information about the specified user.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

`remove_user_from_group`*Remove User from Group*

Description

Removes a user from the specified group.

Usage

```
remove_user_from_group(tableau, api_version = 3.19, group_id, user_id)
```

Arguments

<code>tableau</code>	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
<code>api_version</code>	The version of the API to use, such as 3.19 (default: 3.19).
<code>group_id</code>	The ID of the group to remove the user from.
<code>user_id</code>	The ID of the user to remove.

Value

The response from the API.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

remove_user_from_site *Remove User from Site*

Description

Removes a user from the specified site. The user will be deleted if they do not own any other assets other than subscriptions. If a user still owns content (assets) on Tableau Server, the user cannot be deleted unless the ownership is reassigned first.

Usage

```
remove_user_from_site(tableau, api_version = 3.19, user_id, mapAssetsTo = NULL)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', 'user_id', and 'site_id'.
api_version	The version of the API to use, such as 3.19 (default: 3.19).
user_id	The ID of the user to remove.
mapAssetsTo	Optional. The ID of a user that receives ownership of contents of the user being removed.

Value

No return value.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

row_to_name	<i>Concat row to name</i>
-------------	---------------------------

Description

Concat row to name

Usage

row_to_name(row)

Arguments

row row of dataframe

Value

namr of the row

row_to_query	<i>Dataframe row to query</i>
--------------	-------------------------------

Description

Dataframe row to query

Usage

row_to_query(row)

Arguments

row row of dataframe

Value

Query to the api call

run_extract_refresh_task
<i>Run Extract Refresh Task</i>

Description

Runs the specified extract refresh task on Tableau Server.

Usage

run_extract_refresh_task(tableau, task_id, api_version = 3.22)

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', and 'site_id'.
task_id	The ID of the extract refresh task to run.
api_version	The API version to use (default: 3.22).

Value

The response from the API.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

tableau_base_url	<i>Get the Tableau base URL from the environment variable</i>
------------------	---

Description

Get the Tableau base URL from the environment variable

Usage

tableau_base_url()

Value

The Tableau base URL stored in the TABLEAU_BASE_URL environment variable.

tableau_content_url	<i>Get the Tableau content URL from the environment variable</i>
---------------------	--

Description

Get the Tableau content URL from the environment variable

Usage

```
tableau_content_url()
```

Value

The Tableau content URL stored in the TABLEAU_CONTENT_URL environment variable.

tableau_password	<i>Get the Tableau password from the environment variable</i>
------------------	---

Description

Get the Tableau password from the environment variable

Usage

```
tableau_password()
```

Value

The Tableau password stored in the TABLEAU_PASSWORD environment variable.

tableau_pat_name	<i>Get the Tableau PAT name from the environment variable</i>
------------------	---

Description

Get the Tableau PAT name from the environment variable

Usage

```
tableau_pat_name()
```

Value

The Tableau PAT name stored in the TABLEAU_PAT_NAME environment variable.

tableau_pat_secret	<i>Get the Tableau PAT secret from the environment variable</i>
--------------------	---

Description

Get the Tableau PAT secret from the environment variable

Usage

```
tableau_pat_secret()
```

Value

The Tableau PAT secret stored in the TABLEAU_PAT_SECRET environment variable.

tableau_username	<i>Get the Tableau username from the environment variable</i>
------------------	---

Description

Get the Tableau username from the environment variable

Usage

```
tableau_username()
```

Value

The Tableau username stored in the TABLEAU_USERNAME environment variable.

update_data_source_now	<i>Update Data Source Now</i>
------------------------	-------------------------------

Description

Runs an extract refresh on the specified data source.

Usage

```
update_data_source_now(tableau, datasource_id, api_version = 3.22)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', and 'site_id'.
datasource_id	The ID of the data source to refresh.
api_version	The API version to use (default: 3.22).

Value

The response from the API.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_group\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

update_group	<i>Update Group</i>
--------------	---------------------

Description

Updates a group on a Tableau Server or Tableau Cloud site.

Usage

```
update_group(  
  tableau,  
  group_id,  
  group_name = NULL,  
  AD_group_name = NULL,  
  AD_domain = NULL,  
  minimum_site_role = NULL,  
  license_mode = NULL,  
  on_demand_access = NULL,  
  asJob = FALSE,  
  api_version = 3.19  
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', and 'site_id'.
group_id	The ID of the group to update.
group_name	The new name for the group (optional).
AD_group_name	The name of the Active Directory group to synchronize with (optional).
AD_domain	The domain for the Active Directory group (optional).
minimum_site_role	Required if an import element or grantLicenseMode attribute are present in the request. The site role assigned to users who are imported from Active Directory or granted a license automatically using the grant license on-sync or on-login mode.
license_mode	Optional. The mode for automatically applying licenses for group members. When the mode is onLogin, a license is granted for each group member when they log in to a site.
on_demand_access	Optional. A boolean value that is used to enable on-demand access for embedded Tableau content when the Tableau Cloud site is licensed with Embedded Analytics usage-based model.
asJob	A Boolean value indicating whether to synchronize with Active Directory as a background task (true) or synchronize immediately (false). Default is false.
api_version	The API version to use (default: 3.19).

Value

TRUE if the operation was successful, FALSE otherwise.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_user\(\)](#), [update_workbook_now\(\)](#)

update_user	<i>Update User</i>
-------------	--------------------

Description

Modifies information about the specified user.

Usage

```
update_user(
    tableau,
    user_id,
    fullName = NULL,
    email = NULL,
    password = NULL,
    siteRole,
    authSetting = NULL,
    api_version = 3.19
)
```

Arguments

tableau	A list containing the Tableau authentication variables: 'base_url', 'token', and 'site_id'.
user_id	The ID of the user to update.
fullName	The new name for the user (optional).
email	The new email address for the user (optional).
password	The new password for the user (optional).
siteRole	The new site role to assign to the user.
authSetting	The authentication type for the user (optional).
api_version	The API version to use (default: 3.19).

Value

TRUE if the operation was successful, FALSE otherwise.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#),

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remove_user_from_site(),run_extract_refresh_task(),update_data_source_now(),update_group(),
update_workbook_now()
```

update_workbook_now	<i>Update Workbook Now</i>
---------------------	----------------------------

Description

Refreshes the specified workbook.

Usage

```
update_workbook_now(tableau, workbook_id, api_version = 3.22)
```

Arguments

tableau	A list containing the Tableau authentication variables: ‘base_url’, ‘token’, and ‘site_id’.
workbook_id	The ID of the workbook to refresh.
api_version	The API version to use (default: 3.22).

Value

The response from the API.

See Also

Other Tableau REST API: [add_tags_to_view\(\)](#), [add_tags_to_workbook\(\)](#), [add_user_to_group\(\)](#), [add_user_to_site\(\)](#), [authenticate_PAT\(\)](#), [authenticate_server\(\)](#), [create_group\(\)](#), [delete_group\(\)](#), [download_datasource\(\)](#), [download_filtered_tableau_image\(\)](#), [download_tableau_crosstab_excel\(\)](#), [download_tableau_data\(\)](#), [download_workbooks_server\(\)](#), [download_workbooks_server_pdf\(\)](#), [download_workbooks_server_powerpoint\(\)](#), [get_groups_for_user\(\)](#), [get_mobile_security_settings\(\)](#), [get_server_connected_apps\(\)](#), [get_server_datasources\(\)](#), [get_server_groups\(\)](#), [get_server_info\(\)](#), [get_server_jobs\(\)](#), [get_server_projects\(\)](#), [get_server_refresh_tasks\(\)](#), [get_server_schedules\(\)](#), [get_server_user_favorites\(\)](#), [get_server_users\(\)](#), [get_server_views\(\)](#), [get_server_workbooks\(\)](#), [get_table_assets\(\)](#), [get_users_in_group\(\)](#), [query_user_on_site\(\)](#), [remove_user_from_group\(\)](#), [remove_user_from_site\(\)](#), [run_extract_refresh_task\(\)](#), [update_data_source_now\(\)](#), [update_group\(\)](#), [update_user\(\)](#)

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