
simplewebdavclient Version: 1.0.2

Release 1.0.2

Apr 30, 2020

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1.1 simplewebdavclient package

1.1.1 Submodules

1.1.2 simplewebdavclient.checkers module

`simplewebdavclient.checkers.check_number` (*number*)

Function to verify item entered is a number

Parameters `number` (*Integer*) – Thing to check for a number

Return type None

Returns None

Raises `NotNumber` – If number is not a number

`simplewebdavclient.checkers.check_tcp_udp_port_number` (*port_number*)

Function to verify a tcp or udp port number 1 to 65535

Parameters `port_number` (*Integer*) – TCP/UDP Port Number

Return type None

Returns None

Raises `BadPortNumber` – If the port is not in range 1 to 65535

1.1.3 simplewebdavclient.exceptions module

exception `simplewebdavclient.exceptions.BadPortNumber` (*value*)

Bases: Exception

exception `simplewebdavclient.exceptions.CouldNotDetermineProtocol` (*value*)

Bases: Exception

exception simplewebdavclient.exceptions.**NotNumber** (*value*)

Bases: Exception

exception simplewebdavclient.exceptions.**OperationFailed** (*method*, *path*, *expected_code*, *actual_code*)

Bases: Exception

1.1.4 simplewebdavclient.simplewebdavclient module

class simplewebdavclient.simplewebdavclient.**Client** (*host*, *port=None*, *auth=None*, *username=None*, *password=None*, *protocol='http'*, *verify_ssl=True*, *path=None*, *cert=None*)

Bases: object

Class for WebDav Client

Parameters

- **host** (*String*) – IP of the server
- **port** (*Integer*) – The TCT/UDP Port Number
- **auth** (*String*) – Session auth
- **username** (*String*) – Username
- **password** (*String*) – Password
- **protocol** (*String*) – http, or https
- **verify_ssl** (*Boolean*) – True or False
- **path** (*String*) – The path to the resource
- **cert** (*String*) – Session cert

Raises *CouldNotDetermineProtocol* – If protocol is not http or https

change_current_working_directory (*path*)

Method to change your current working directory

Parameters *path* (*String*) – Path from your root

Return type None

Returns None

directories_create (*path*)

Method to create nested directories

Parameters *path* (*String*) – Path from your root

Return type None

Returns None

directory_create (*path*, *safe=False*)

Method to make a directory

Parameters

- **path** (*String*) – Path from your root

- **safe** (*Boolean*) – If set to True it will silently do nothing is if directory already exists

Return type None

Returns None

directory_delete (*path, safe=False*)

Method to delete a directory

Parameters

- **path** (*String*) – Path from your root
- **safe** (*Boolean*) – If set to True it will silently do nothing is if directory already exists

Return type None

Returns None

download (*remote_path, local_path_or_fileobj*)

Method to download files from WebDav server

Parameters

- **remote_path** (*String*) – The path
- **local_path_or_fileobj** (*String*) – The path

Return type None

Returns None

get_base_url ()

Method to get base url

Return type String

Returns The base url

get_current_working_directory ()

Method to get current working directory

Return type String

Returns The current working directory

static get_xml_element (*element, element_name, default=None*)

Method to retrieve the data from the xml tree

Parameters

- **element** (*String*) – The xml element
- **element_name** (*String*) – The property
- **default** (*String*) – What to set default to

Return type String

Returns A String

resource_delete (*path*)

Mwethod to delete a resource

Parameters **path** (*String*) – Path from your root

Return type None

Returns None

resource_exists (*remote_path*)

Method to verify if a resource exists on the WebDav server

Parameters **remote_path** (*String*) – The path

Return type Boolean

Returns True or False

resource_list (*remote_path='.'*)

Method to list resources on the WebDav server

Parameters **remote_path** (*String*) – The path

Type List

Returns A list of FileData objects

upload (*local_path_or_fileobj, remote_path*)

Method to upload files to WebDav Server

Parameters

- **local_path_or_fileobj** (*String*) – The path
- **remote_path** (*String*) – The path

Return type None

Returns None

class simplewebdavclient.simplewebdavclient.**FileData** (*resource_url, resource_name, file_size, modified_time, creation_time, content_type*)

Bases: object

Class to store a file info

Parameters

- **resource_url** (*String*) – The resource URL
- **resource_name** (*String*) – The name of the resource
- **file_size** (*String*) – The file size
- **modified_time** (*String*) – The modified date/time
- **creation_time** (*String*) – The creation date/time
- **content_type** (*String*) – The content type

get_content_type ()

Method to get the WebDav resource content type

Return type String

Returns A resource content type

get_creation_time ()

Method to get the WebDav resource creation date and time

Return type String

Returns A resource creation date and time

get_file_size ()

Method to get the WebDav resource file size

Return type String

Returns A resource file size

get_modified_time ()

Method to get the WebDav resource modified date and time

Return type String

Returns A resource modified date and time

get_resource_name ()

Method to get the WebDav resource name

Return type String

Returns A resource name

get_resource_url ()

Method to get the WebDav resource url

Return type String

Returns A resource url

is_dir ()

Method to check to see if WebDav resource is a directory

Return type Boolean

Returns True or False

1.1.5 Module contents

CHAPTER 2

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