

TadoConnector | bfmb-tado-connector

Class TadoConnector

Class TadoConnector. Extends Connector class from bfmb-base-connector module.

Hierarchy

- Connector
 - TadoConnector

Constructors

constructor

- new TadoConnector(): TadoConnector
- Overrides Connector.__constructor
 - Defined in connector.ts:49

The constructor only calls to parent class passing the network identification.

Returns TadoConnector

Properties

Protected connections

connections: Array<Connection>

Inherited from Connector.connections

- Defined in ext/bfmb-base-connector.d.ts:5

Private deviceIdRequiredMethods

deviceIdRequiredMethods: string[] = ["getMobileDevice", "getMobileDeviceSettings"]

- Defined in connector.ts:28

This array is required for knowing which functions require the existence of device_id attribute.

Private homeIdRequiredMethods

```
homeIdRequiredMethods: string[] = ["getHome", "getWeather", "get-
Devices", "getInstallations", "getUsers", "getState", "getMobileDevices",
"getMobileDevice", "getMobileDeviceSettings", "getZones", "getZoneS-
tate", "getZoneCapabilities", "getZoneOverlay", "getTimeTables", "getAwayConfiguration",
"getTimeTable", "clearZoneOverlay", "setZoneOverlay"]
```

- Defined in connector.ts:16

This array is required for knowing which functions require the existence of home_id attribute.

Protected name

name: string

Inherited from Connector.name

- Defined in ext/bfmb-base-connector.d.ts:4

Private powerTempRequiredMethods

```
powerTempRequiredMethods: string[] = ["setZoneOverlay"]
```

- Defined in connector.ts:49

This array is required for knowing which functions require the existence of power, temperature and termination attributes.

Private timetableIdRequiredMethods

```
timetableIdRequiredMethods: string[] = ["getTimeTable"]
```

- Defined in connector.ts:44

This array is required for knowing which functions require the existence of timetable_id attribute.

Private zoneIdRequiredMethods

```
zoneIdRequiredMethods: string[] = ["getZoneState", "getZoneCapabili-
ties", "getZoneOverlay", "getTimeTables", "getAwayConfiguration", "get-
TimeTable", "setZoneOverlay", "clearZoneOverlay"]
```

- Defined in connector.ts:35

This array is required for knowing which functions require the existence of `zone_id` attribute.

Methods

addConnection

- `addConnection(options: any, callback: Function): void`
- Overrides `Connector.addConnection`
 - Defined in `connector.ts:63`

This method adds a `TadoConnection` object to the connector.

Parameters

—

options: any

A not type-defined object. Requires the attributes **username** and **password** to be valid. Those values are the login data of Tado⁹.

—

callback: Function

Callback function which it gives the results or the failure of the task.

Returns void

Private callHttpApiGetMethod

- `callHttpApiGetMethod(connection: TadoConnection, options: any, callback: Function): void`
- — Defined in `connector.ts:147`

This method does the calling to Tado api.

Parameters

—

connection: TadoConnection

The connection to Tado api.

—

options: any

A not type-defined object. Contains the parameters that the api endpoint require.

—

callback: Function

Function which returns any result or error.

Returns void

Error May return an error object if there's some issues with the options object.

Private callHttpApiPutMethod

- callHttpApiPutMethod(connection: TadoConnection, options: any, callback: Function): void
- — Defined in connector.ts:232

This method does the calling to Tado api.

Parameters

—

connection: TadoConnection

The connection to Tado api.

—

options: any

A not type-defined object. Contains the parameters that the api endpoint require.

—

callback: Function

Function which returns any result or error.

Returns void

Error May return an error object if there's some issues with the options object.

getConnection

- getConnection(id: string): Connection
- Inherited from Connector.getConnection
 - Defined in ext/bfmb-base-connector.d.ts:15

Parameters

—

id: string

Returns Connection

getConnectionIndex

- getConnectionIndex(id: string): number
- Inherited from Connector.getConnectionIndex
 - Defined in ext/bfmb-base-connector.d.ts:13

Parameters

—

id: string

Returns number

getMe

- getMe(id: string, options?: any, callback: Function): void
- Overrides Connector.getMe
 - Defined in connector.ts:84

This method calls to /me endpoint of Tado^o api.

Parameters

—

id: string

The uuid of the connection to do the call.

—

Default value options: `any = {}`

A not type-defined object. Actually it's empty.

—

callback: `Function`

Function which return response or error from the connection.

Returns void

getName

- `getName(): string`
- Inherited from `Connector.getName`
 - Defined in `ext/bfmb-base-connector.d.ts:9`

Returns string

receiveMessage

- `receiveMessage(id: string, options?: any, callback: Function): void`
- Overrides `Connector.receiveMessage`
 - Defined in `connector.ts:103`

This method is the universal method for calling get methods of Tado client module.

Parameters

—

id: `string`

The uuid of the connection to do the call.

—

Default value options: `any = {}`

A not type-defined object. Contains the parameters that the api endpoint require.

—

callback: Function

Function which return response or error from the connection.

Returns void

removeConnection

- removeConnection(id: string, callback: Function): void
- Inherited from Connector.removeConnection
 - Defined in ext/bfmb-base-connector.d.ts:17

Parameters

—

id: string

—

callback: Function

Returns void

sendMessage

- sendMessage(id: string, options?: any, callback: Function): void
- Overrides Connector.sendMessage
 - Defined in connector.ts:189

This method is the universal method for calling put/post methods of Tado client module.

Parameters

—

id: string

The uuid of the connection to do the call.

—

Default value options: any = {}

A not type-defined object. Contains the parameters that the api endpoint require.

—

callback: Function

Function which return response or error from the connection.

Returns void

Private verifyReceiveMessageBaseOptions

- verifyReceiveMessageBaseOptions(options: any): Error
- — Defined in connector.ts:121

This method verifies that options object has the required attributes.

Parameters

—

options: any

A not type-defined object. Contains the parameters that the api endpoint require.

Returns Error

Error May return an error object if there's some issues with the options object.

Private verifySendMessageBaseOptions

- verifySendMessageBaseOptions(options: any): Error
- — Defined in connector.ts:207

This method verifies that options object has the required attributes.

Parameters

—

options: any

A not type-defined object. Contains the parameters that the api endpoint require.

Returns Error

Error May return an error object if there's some issues with the options object.

Class TadoConnection

TadoConnection is the class which holds the required information and api client. Extends Connection class from bfmb-base-connector module.

Hierarchy

- Connection
 - TadoConnection

Constructors

constructor

- new TadoConnection(options: any): TadoConnection
- Overrides Connection.__constructor
 - Defined in connector.ts:269

The constructor of TadoConnection. Username and password are given by options object.

Parameters

—

options: any

Returns TadoConnection

Properties

Protected id

id: string

Inherited from Connection.id

- Defined in ext/bfmb-base-connector.d.ts:27

Private password

password: string

- Defined in connector.ts:265

Password of Tado^o service.

Private tadoClient

tadoClient: any

- Defined in connector.ts:269

The node-tado-client class. Defined as any because the Typescript module definitions don't exist.

Private username

username: string

- Defined in connector.ts:261

Username of Tado^o service.

Methods

getClient

- getClient(): any
- – Defined in connector.ts:301

This method retrieves the Tado client object.

Returns any

any Returns the client class.

getId

- getId(): string
- Inherited from Connection.getId
 - Defined in ext/bfmb-base-connector.d.ts:31

Returns string

getPassword

- getPassword(): string
- – Defined in connector.ts:293

This method retrieves the password.

Returns string

string Returns the password.

getUsername

- getUsername(): string
- – Defined in connector.ts:285

This method retrieves the username.

Returns string

string Returns the username.