

Teveo SWI Pack / REST API

1.4.0

REST APIs allowing third-party systems to interact with Teveo

[History](#)

Management of Alarm

GET

/api/v1/alarm/message

Get the current state of the global Alarm message

Parameters

Try it out

No parameters

Responses

Code	Description
200	The current state of the global Alarm message

Example Value | Schema

```
{  "active": false}
```

GET

/api/v1/alarm/message/{state}

Enable or disable the global Alarm message

When set to **on** , a security message is instantly displayed on all terminals of the system (that are not in standby state). If an audio or video content was being rendered on a terminal, the playback gets paused or the sound gets muted. This behaviour will be systematically applied to all pages of the user interface until Alarm state is disabled.

When set to **off** , the security message is instantly removed from the terminals' screens. If a playback/sound was rendered when the alarm was enabled, and if the terminal stayed in the same page, the system attempts to resume the playback/sound.

The security message text is defined through the **security_message** item of middleware's **messages** translation domain.

Parameters

Try it out

Name	Description
state ★ required string (path)	Alarm activation state <i>Available values</i> : on, off

on

Responses

Code	Description
------	-------------

Code	Description
200	The new state of the global Alarm message
Example Value Schema	
<pre>{ "active": false }</pre>	

Management of Digital Signage commands

GET

/api/v1/digital_signage/{id}/run

Run immediately a predefined digital signage command

Note: The command can be run regardless of the schedule time defined in the command

Parameters

Try it out

Name	Description
id ★ required integer (path)	Internal identifier of the command, provided in product's Administration interface
id - Internal identifier of the command, provided	

Responses

Code	Description
200	Information about the command
Example Value Schema	
<pre>{ "description": "TV / Channel 1", "route": "app_tv_homepage", "target": ["10.11.1.1"]}</pre>	
404	Resource not found

Management of Home Automation System

PUT	/api/v1/domotic_provider/{id}/state	Notify changes in state of room equipments
<p>The home automation provider name is specified in <code>domotic.yml</code> configuration file. In the example below the provider name is <code>automaton_1</code>.</p> <p>In order to make this API available for a provider, the parameter <code>notify: true</code> must be present in the provider's section of this configuration file.</p> <pre>app: domotic: automaton_1: provider: Jeedom host: 10.0.0.99 port: 5364 group: 0 notify: true</pre>		

Parameters

Try it out

Name	Description
id ★ required string (path)	Provider name

id - Provider name

Request body required

The definition of some room equipments and their current state

Example Value | Schema

```
{
  "equipments": [
    {
      "label": "roller_blind",
      "type": "shade",
      "controls": [
        {
          "label": "opening",
          "states": [
            "open",
            "close"
          ],
          "currentState": "close"
        }
      ]
    }
  ]
}
```

Responses

Code	Description
200	The new state of the equipments

Example Value | Schema

```
{
  "equipments": [
    {
      "label": "roller_blind",
      "type": "shade",
      "controls": [
        {
          "label": "opening",
          "states": [
            "open",
            "close"
          ],
          "currentState": "close"
        }
      ]
    }
  ]
}
```

400	Invalid input
404	Resource not found

Management of TV/Radio Channels

^

GET

/api/v1/radio/channels

Get static information about all enabled Radio channels of the system

^

Parameters

Try it out

No parameters

Responses

Code	Description
200	A list of Radio channels
Example Value Schema	
<pre>[{ "name": "Channel 1", "logo": "", "mainLanguage": "zh-CN", "number": 1 }]</pre>	

GET

/api/v1/tv/channels

Get static information about all enabled TV channels of the system

^

Parameters

Try it out

No parameters

Responses

Code	Description
200	A list of TV channels
Example Value Schema	
<pre>[{ "name": "Channel 1", "logo": "", "mainLanguage": "zh-CN", "number": 1 }]</pre>	

GET

/api/v1/tv/channels/state

Get EPG information for all enabled TV channels of the system

^

Only the current EPG program is returned.

Parameters

Try it out

No parameters

Responses

Code	Description
------	-------------

Code	Description
200	A list of TV channel states
Example Value Schema	
<pre>[{ "programs": [{ "start": 1566227400, "end": 1566231300, "title": "Gone with the wind", "description": "A long story..." }], "number": 1 }]</pre>	

Management of Rooms

GET

/api/v1/rooms

Get information about all rooms of the system

Parameters

Try it out

No parameters

Responses

Code	Description
200	A list of rooms
	Example Value Schema
	<pre>[{ "guestRoomNumber": "1", "clients": [1234], "terminals": ["10.11.1.1"], "language": "zh-CN" }]</pre>

GET

/api/v1/rooms/{guestRoomNumber}

Get information about a room

Change in room occupancy can be detected by comparing the returned list of clients identifiers with the one previously returned by the API (and stored by the external system). If the intersection of these lists is empty, the occupants of the room have changed, so the external system may discard data related to the previous occupants, if applicable.

Parameters

Try it out

Name	Description
guestRoomNumber ★ required	Room number, as visible to the user
string (path)	guestRoomNumber - Room number, as visibl

Responses

Code	Description
200	Information about the requested room
Example Value Schema	
<pre>{ "guestRoomNumber": "1", "clients": [1234], "terminals": ["10.11.1.1"], "language": "zh-CN" }</pre>	
404	Resource not found

Management of Terminals

GET /api/v1/terminals/{address} Get static information about a terminal

Parameters

Try it out

Name	Description
address ★ required	IP address of the terminal
string (path)	Example : 10.11.1.1

10.11.1.1

Responses

Code	Description
200	Static information about the requested terminal
Example Value Schema	
<pre>{ "comment": "Bathroom", "controllable": true, "tvChannels": [1], "radioChannels": [1], "wiredSources": ["HDMI1"], "hiddenWiredSources": ["chromecast"], "wirelessSources": ["miracast"] }</pre>	
404	Resource not found

GET /api/v1/terminals/{address}/state Get information about the current state/activity of a terminal

This API should be used only with *controllable* terminals (see API /api/v1/terminals/{address}).

Parameters

Try it out

Name	Description
address ★ required string (path)	IP address of the terminal Example : 10.11.1.1 <div>10.11.1.1</div>

Responses

Code	Description
200	The current state of the requested terminal Example Value Schema <pre>{ "power": "on", "volume": 12, "mute": true, "activity": { "service": "tv", "item": 1 }}</pre>
404	Resource not found
503	Failed to execute the remote command on terminal

PUT /api/v1/terminals/{address}/state/activity Change the activity of the terminal

⌵

This API should be used only with **controllable** terminals (see API </api/v1/terminals/{address}>).

Service identifier	Description	Item values
middleware	When a native terminal application (web browser, screen mirroring,...) is in the foreground, this allows to close the application and return to the last consulted page of the Middleware UI.	None
radio	Radio service	[Optional] Number of the radio channel in the channel map available on the target terminal (provided by the API returning static information about the terminal).
tv	TV service	[Optional] Number of the TV channel in the channel map available on the target terminal (provided by the API returning static information about the terminal).
vod	VOD service	None
wiredSources	Display an external media source of the terminal, connected through a wired cable. Note: Wired sources may include features like Chromecast or Airplay, which are wireless from a user point of view, but rendered through a device connected to the terminal via an A/V cable (ex: Apple TV for Airplay)	[Optional] Alias (or identifier, if no alias is defined) of an exposed or hidden wired source available on the target terminal. The list of such items is provided by the API returning static information about the terminal.
wirelessSources	Display of instructions to access content from user's device, using a wireless protocol.	[Optional] Identifier of a wireless source available on the target terminal. The list of such items is provided by the API returning static information about the terminal.

Parameters

Try it out

Name	Description
------	-------------

Name

Description

address ★ required

string

(path)

IP address of the terminal

Example : 10.11.1.1

10.11.1.1

Request body required

The activity to access

Example Value | Schema

```
{
  "activity": {
    "service": "tv",
    "item": 1
  }
}
```

Responses

Code

Description

200

The new activity of the terminal

Example Value | Schema

```
{
  "activity": {
    "service": "tv",
    "item": 1
  }
}
```

400

Invalid input

404

Resource not found

503

Failed to execute the remote command on terminal

PUT

/api/v1/terminals/{address}/state/key

Simulate a press on an RCU key

⌵

This API should be used only with *controllable* terminals (see API </api/v1/terminals/{address}>).

Supported key identifiers:

- power
- digit0
- digit1
- digit2
- digit3
- digit4
- digit5
- digit6
- digit7
- digit8
- digit9
- tv
- av
- arrowUp
- arrowDown
- arrowLeft
- arrowRight
- ok
- back
- home
- volumeUp
- volumeDown
- volumeMute
- playerPlayPause
- playerPause
- playerStop
- playerRewind

- playerFastForward
- channelUp
- channelDown

Parameters

Try it out

Name	Description
address ★ required string (path)	IP address of the terminal Example : 10.11.1.1
	<div>10.11.1.1</div>

Request body required

The key to simulate

Example Value | Schema

```
{  
  "key": "arrowUp"  
}
```

Responses

Code	Description
200	The simulated key Example Value Schema <pre>{ "key": "arrowUp" }</pre>
400	Invalid input
404	Resource not found
503	Failed to execute the remote command on terminal

PUT /api/v1/terminals/{address}/state/mute Change the audio mute state of a terminal



This API should be used only with *controllable* terminals (see API [/api/v1/terminals/{address}](#)).

Parameters

Try it out

Name	Description
address ★ required string (path)	IP address of the terminal Example : 10.11.1.1
	<div>10.11.1.1</div>

Request body required

The mute state to reach

Example Value | Schema

```
{
  "mute": true
}
```

Responses

Code	Description
200	The new audio mute state of the terminal <div>Example Value Schema</div> <pre>{ "mute": true }</pre>
400	Invalid input
404	Resource not found
503	Failed to execute the remote command on terminal

PUT /api/v1/terminals/{address}/state/power Change the power state of a terminal

This API should be used only with *controllable* terminals (see API [/api/v1/terminals/{address}](#)).

Parameters

Try it out

Name	Description
address ★ required string (path)	IP address of the terminal <i>Example</i> : 10.11.1.1

10.11.1.1

Request body required

The power state to reach

Example Value | Schema

```
{
  "power": "on"
}
```

Responses

Code	Description
------	-------------

Code	Description
200	The new power state of the terminal <div>Example Value Schema</div> <div><pre>{ "power": "on" }</pre></div>
400	Invalid input
404	Resource not found
503	Failed to execute the remote command on terminal

PUT

/api/v1/terminals/{address}/state/volume

Change the audio volume level of a terminal

This API should be used only with *controllable* terminals (see API [/api/v1/terminals/{address}](#)).

Parameters

Try it out

Name	Description
address ★ required string (path)	IP address of the terminal <i>Example</i> : 10.11.1.1

10.11.1.1

Request body required

The new volume level

Example Value | Schema

```
{  
  "volume": 12  
}
```

Responses

Code	Description
200	The new audio volume level of the terminal <div>Example Value Schema</div> <div><pre>{ "volume": 12 }</pre></div>
400	Invalid input
404	Resource not found
503	Failed to execute the remote command on terminal

AlarmMessage {

State of the global Alarm message feature.

active boolean
example: false

Whether Alarm message is active or not.

}

Channel {

Static information about a TV or Radio channel.

name string
example: Channel 1

Channel name.

logo string
example:

nullable: true

Full size logo image content, encoded as Data URI. null value means that no logo is available.

mainLanguage string
example: zh-CN
nullable: true

Main language associated with the channel, expressed as a BCP 47 language code.

number integer
example: 1

Number of the channel in the channel map.

}

ChannelState {

Information about current state of a TV channel.

programs [

List of forthcoming programs, starting from the current one.

ChannelStateProgram {

Information about a TV program.

start integer
example: 1566227400

Timestamp (sec) of program start.

end integer
example: 1566231300

Timestamp (sec) of program end.

title string
example: Gone with the wind

Program title.

description string
example: A Long story...

Program description.

}]

number integer
example: 1

Number of the channel in the channel map.

}

```
ChannelStateProgram  {  
  
    Information about a TV program.  
  
    start              integer  
                        example: 1566227400  
  
                        Timestamp (sec) of program start.  
  
    end                integer  
                        example: 1566231300  
  
                        Timestamp (sec) of program end.  
  
    title              string  
                        example: Gone with the wind  
  
                        Program title.  
  
    description         string  
                        example: A Long story...  
  
                        Program description.  
  
}
```

```
DigitalSignage  {  
  
    Information about a digital signage command.  
  
    description         string  
                        example: TV / Channel 1  
  
                        Description of command action / item.  
  
    route              string  
                        example: app_tv_homepage  
  
                        Identifier of the route which will execute the action.  
  
    target              [  
  
                        Target terminals of the command, if defined.  
  
                        string  
                        example: 10.11.1.1]  
  
}
```

```

DomoticProviderEquipment {

    Equipment linked to the home automation Provider.

    label*      string
                example: roller_blind
                Equipment identifier.

    type*       string
                example: shade
                Equipment Type.

    controls*   [
                Controls available on the equipment.

                DomoticProviderEquipmentControl {
                    Control parameter defined for a home automation equipment.

                    label*      string
                                example: opening
                                Control identifier.

                    states*     [
                                example: List [ "open", "close" ]
                                Possible states of the control.
                                string]

                    currentState* string
                                example: close
                                Current state of the control.

                }]
    }

```

```

DomoticProviderEquipmentControl {

    Control parameter defined for a home automation equipment.

    label*      string
                example: opening
                Control identifier.

    states*     [
                example: List [ "open", "close" ]
                Possible states of the control.
                string]

    currentState* string
                example: close
                Current state of the control.

    }

```

```

DomoticProviderState {
    Information about the current state of room equipments.

    equipments* [DomoticProviderEquipment {
        Equipment linked to the home automation Provider.

        label* string
        example: roller_blind
        Equipment identifier.

        type* string
        example: shade
        Equipment Type.

        controls* [
            Controls available on the equipment.

            DomoticProviderEquipmentControl {
                Control parameter defined for a home
                automation equipment.

                label* string
                example: opening
                Control identifier.

                states* [
                    example: List [ "open", "close" ]
                    Possible states of the control.
                    string]

                currentState* string
                example: close
                Current state of the control.

            }}
        ]]
    }

Room {
    Information about a room.

    guestRoomNumber string
    example: 1
    Room number, as visible to the user.

    clients [
        List of Middleware internal identifiers of the users occupying a room. Each number uniquely
        identifies over time one stay of a user in the establishment. The first item corresponds to
        the main client of the room. An empty array means that room is vacant.

        int
        example: 1234]

    terminals [
        List of IP addresses of the room's terminals.

        string
        example: 10.11.1.1]

    language string
    example: zh-CN
    Language used to navigate the user interface on the room's terminals, expressed as a BCP 47
    language code.

}

```

```
Terminal {  
  
    Static information about a Terminal.  
  
    comment      string  
                  example: Bathroom  
  
    Internal comment about the terminal (ex: location within room).  
  
    controllable boolean  
                  example: true  
  
    Whether the terminal state can be remotely controlled through these APIs (the feature may  
    not be supported yet for some terminal types).  
  
    tvChannels    [  
  
        TV channels available to the terminal. Each channel is identified by its number in the  
        channel map.  
  
        integer  
        example: 1]  
  
    radioChannels [  
  
        Radio channels available to the terminal. Each channel is identified by its number in the  
        channel map.  
  
        integer  
        example: 1]  
  
    wiredSources  [  
  
        Wired external sources of the terminal exposed to the user for connecting her/his devices.  
  
        string  
        example: HDMI1]  
  
    hiddenWiredSources [  
  
        Wired external sources of the terminal that are not directly exposed to the user. They are  
        used to connect persistently attached devices (ex: Chromecast).  
  
        string  
        example: chromecast]  
  
    wirelessSources [  
  
        Wireless external sources made available by the terminal.  
  
        string  
        example: miracast]  
}
```



```
TerminalState {  
  
    Information about the current state/activity of a terminal.  
  
    power          string  
                   example: on  
  
    Power state.  
  
    Enum:  
        [ on, standby, unknown ]  
  
    volume         integer  
                   minimum: 0  
                   maximum: 100  
                   example: 12  
  
    Volume level.  
  
    mute           boolean  
                   example: true  
  
    Whether the sound is muted.  
  
    activity       TerminalStateActivity {  
  
        Information about an activity currently executed (or to be  
        executed) on a terminal (typically a Middleware service + item).  
  
        service     string  
                   example: tv  
  
        Identifier of a Middleware service or activity.  
  
        Enum:  
            [ middleware, radio, tv, vod, wiredSources, wirelessSources ]  
  
        item        string|integer|object  
                   nullable: true  
                   example: 1  
  
        Identifier of the service item (ex: TV channel number, wired  
        source name...).  
  
    }  
}
```

```
TerminalState-activity {  
  
    Information about the current state/activity of a terminal.  
  
    activity*      TerminalStateActivity {  
  
        Information about an activity currently executed (or to be  
        executed) on a terminal (typically a Middleware service + item).  
  
        service     string  
                   example: tv  
  
        Identifier of a Middleware service or activity.  
  
        Enum:  
            [ middleware, radio, tv, vod, wiredSources, wirelessSources ]  
  
        item        string|integer|object  
                   nullable: true  
                   example: 1  
  
        Identifier of the service item (ex: TV channel number, wired  
        source name...).  
  
    }  
}
```

```

TerminalState-key  {
    Information about the current state/activity of a terminal.

    key*            string
                    example: arrowUp

    Identifier of the simulated key.

    Enum:
        [ power, digit0, digit1, digit2, digit3, digit4, digit5, digit6, digit7, digit8,
          digit9, tv, av, arrowUp, arrowDown, arrowLeft, arrowRight, ok, back, home, volumeUp,
          volumeDown, volumeMute, playerPlayPause, playerPause, playerStop, playerRewind,
          playerFastForward, channelUp, channelDown ]
}

TerminalState-mute  {
    Information about the current state/activity of a terminal.

    mute*           boolean
                    example: true

    Whether the sound is muted.
}

TerminalState-power {
    Information about the current state/activity of a terminal.

    power*          string
                    example: on

    Power state.

    Enum:
        [ on, standby, unknown ]
}

TerminalState-volume {
    Information about the current state/activity of a terminal.

    volume*         integer
                    minimum: 0
                    maximum: 100
                    example: 12

    Volume level.
}

TerminalStateActivity {
    Information about an activity currently executed (or to be executed) on a terminal
    (typically a Middleware service + item).

    service         string
                    example: tv

    Identifier of a Middleware service or activity.

    Enum:
        [ middleware, radio, tv, vod, wiredSources, wirelessSources ]

    item            string|integer|object
                    nullable: true
                    example: 1

    Identifier of the service item (ex: TV channel number, wired source name...).
}

```