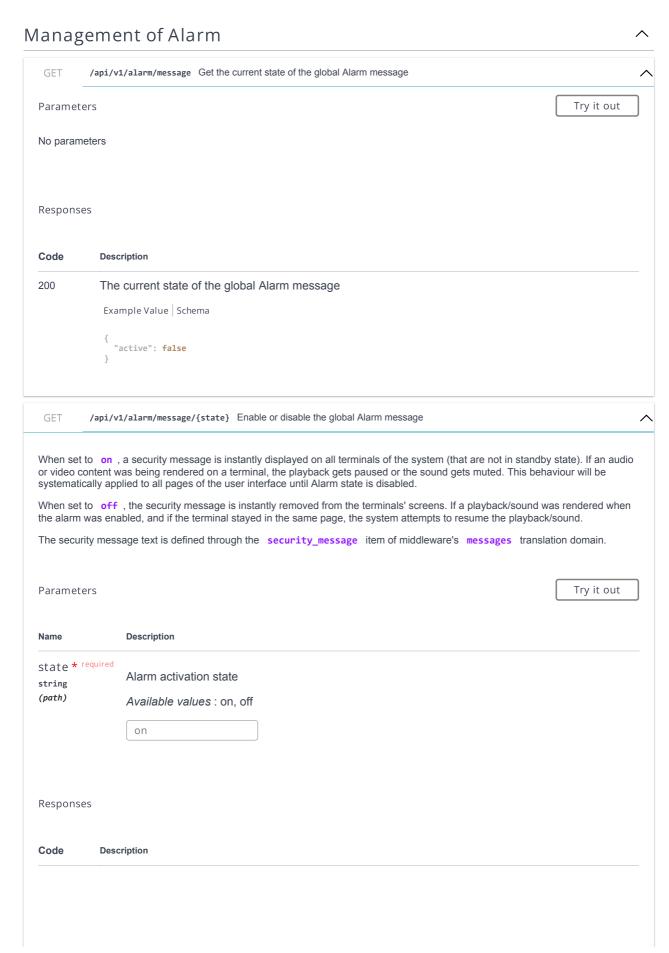
# Teveo SWI Pack / REST API 1.4.0

REST APIs allowing third-party systems to interact with Teveo

History



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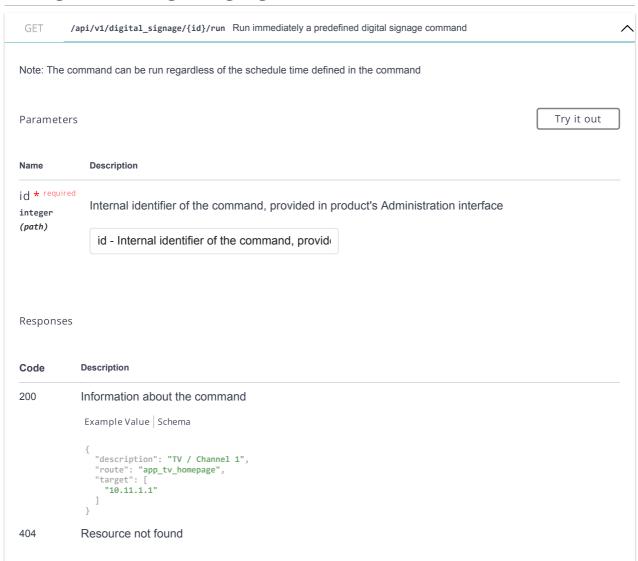
```
Code Description

200 The new state of the global Alarm message

Example Value | Schema

{
    "active": false
}
```

#### Management of Digital Signage commands



# Management of Home Automation System

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```
Parameters
                                                                                                                                         Try it out
                  Description
Name
id * required
                  Provider name
string
(path)
                    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
```

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```
Code Description

200 A list of Radio channels

Example Value | Schema

[
{
    "name": "Channel 1",
    "logo": "data:image/png;base64,iVBORwØKGgoAAAANSUhEUgAAAAEAAAABCAAAAAAGfptVAAAACklEQVQI12P4DwABAQEAG7buVg

AAAABRJUSErkNggg=",
    "maintanguage": "zh-cN",
    "number": 1
    }
}
```

```
Parameters

Responses

Code Description

200 A list of TV channels

Example Value | Schema

[

"name": "Channel 1",
 "logo": "data:image/png;base64,ivBoRw@KGgoAAAANSUhEUgAAAAEAAAAAGFptVAAAACkleQvQI12P4DwABAQEAG7buVg AAAABJRUSErkJggg=",
 "mainLanguage": "zh-CN",
 "number": 1

}

}
```

```
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
```

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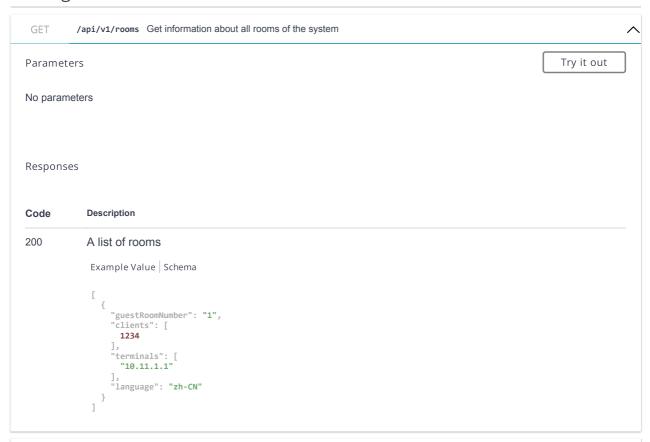
```
Code Description

200 A list of TV channel states

Example Value | Schema

[
{
    "programs": [
    {
        "start": 1566227400,
        "end": 1566231300,
        "title": "Gone with the wind",
        "description": "A long story..."
    }
    |
        "number": 1
    }
}
```

### Management of Rooms



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

/api/v1/rooms/{guestRoomNumber} Get information about a room

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.

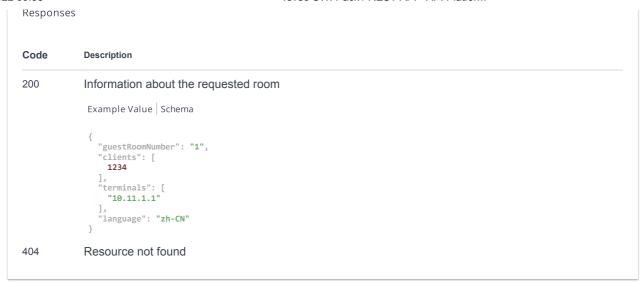
Name Description

guestRoomNumber \* required string (path)

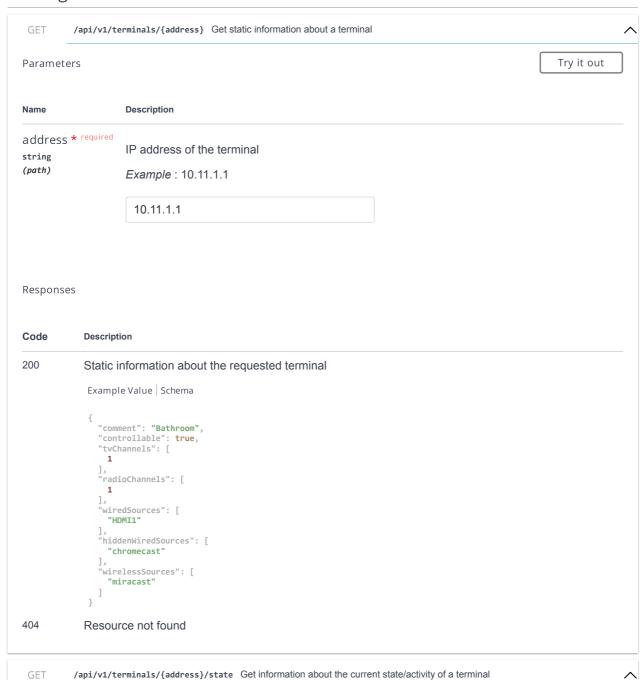
Room number, as visible to the user

guestRoomNumber - Room number, as visibl

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### Management of Terminals



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

```
Try it out
Parameters
Name
                       Description
address * required
                       IP address of the terminal
string
(path)
                       Example: 10.11.1.1
                         10.11.1.1
Responses
Code
             Description
200
              The current state of the requested terminal
              Example Value | Schema
                "power": "on",
"volume": 12,
"mute": true,
                 "activity": {
    "service":
                              "tv",
                   "item": 1
404
             Resource not found
503
              Failed to execute the remote command on terminal
```

/api/v1/terminals/{address}/state/activity Change the activity of the terminal PUT This API should be used only with controllable terminals (see API /api/v1/terminals/{address} ). Service identifier Description Item values When a native terminal application (web browser, screen None middleware mirroring,...) is in the foreground, this allows to close the application and return to the last consulted page of the Middleware UI. Radio service [Optional] Number of the radio channel in the channel map radio available on the target terminal (provided by the API returning static information about the terminal). TV service [Optional] Number of the TV channel in the channel map tv available on the target terminal (provided by the API returning static information about the terminal). VOD service None vod [Optional] Alias (or identifier, if no alias is defined) of an exposed wiredSources Display an external media source of the terminal, connected or hidden wired source available on the target terminal. The list through a wired cable. Note: Wired sources may include features like Chromecast or of such items is provided by the API returning static information Airplay, which are wireless from a user point of view, but about the terminal. rendered through a device connected to the terminal via an A/V cable (ex: Apple TV for Airplay) wirelessSources Display of instructions to access content from user's device, [Optional] Identifier of a wireless source available on the target using a wireless protocol. terminal. The list of such items is provided by the API returning static information about the terminal Try it out **Parameters** Name Description

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```
Name
                      Description
address * required
                      IP address of the terminal
string
(path)
                       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
             Description
Code
200
             The new activity of the terminal
              Example Value | Schema
                "activity": {
   "service": "tv",
   "item": 1
             Invalid input
400
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  $\arrowvert$ ) /api/v1/terminals/{address} ).

Supported key identifiers:

```
power
```

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

- playerStop playerRewind

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```
playerFastForward channelUp
                                                                                                               Try it out
Parameters
Name
                     Description
address * required
                     IP address of the terminal
string
(path)
                     Example: 10.11.1.1
                       10.11.1.1
Request body required
The key to simulate
Example Value | Schema
   "key": "arrowUp"
Responses
Code
             Description
200
             The simulated key
             Example Value | Schema
                "key": "arrowUp"
400
             Invalid input
404
             Resource not found
503
             Failed to execute the remote command on terminal
 PUT
          \arraycolor{lambda}{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} ).
                                                                                                               Try it out
Parameters
Name
                     Description
address * required
                     IP address of the terminal
string
(path)
                     Example: 10.11.1.1
                       10.11.1.1
```

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```
Request body ''
The mute state to reach
Example Value | Schema
  "mute": true
Responses
Code
           Description
200
           The new audio mute state of the terminal
           Example Value | Schema
             "mute": true
400
           Invalid input
404
           Resource not found
503
           Failed to execute the remote command on terminal
PUT
         This API should be used only with controllable terminals (see API /api/v1/terminals/{address}).
                                                                                             Try it out
Parameters
Name
                  Description
address * required
                  IP address of the terminal
string
(path)
                  Example: 10.11.1.1
                   10.11.1.1
Request body required
The power state to reach
Example Value | Schema
  "power": "on"
Responses
Code
           Description
```

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```
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Code
          Description
200
          The new power state of the terminal
           Example Value | Schema
             "power": "on"
400
          Invalid input
          Resource not found
404
503
          Failed to execute the remote command on terminal
 PUT
         This API should be used only with controllable terminals (see API /api/v1/terminals/{address}).
Parameters
                                                                                           Try it out
Name
                 Description
address * required
                 IP address of the terminal
string
(path)
                  Example: 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
	Example Value   Schema
	{ "volume": 12
	}
400	Invalid input
404	Resource not found
503	Failed to execute the remote command on terminal
503	Failed to execute the remote command on terminal

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```
Schemas
    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:
                    data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAAEAAAABCAAAAAA6fptVAAAACkLEQVQI12P4DwABAQEAG7buVgAAAABJRU5ErkJggg==
                    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
                    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.
    }
```

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```
ChannelStateProgram
                             {
                          Information about a TV program.
   start
                          integer
                          example: 1566227400
                          Timestamp (sec) of program start.
   end
                          integer
                          example: 1566231300
                          Timestamp (sec) of program end.
                          string
example: Gone with the wind
   title
                          Program title.
                          string
example: A long story...
   description
                          Program description.
}
DigitalSignage
                          Information about a digital signage command.
   description
                          string
                          example: TV / Channel 1
                          Description of command action / item.
   route
                          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]
}
```

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```
DomoticProviderEquipment
                          Equipment linked to the home automation Provider.
   label*
                          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.
                           }]
}
Domotic Provider Equipment Control\\
                          Control parameter defined for a home automation equipment.
                          string example: opening
   label*
                          Control identifier.
   states*
                          example: List [ "open", "close" ]
                          Possible states of the control.
                          string]
                          string
   currentState*
                          example: close
                          Current state of the control.
}
```

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```
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.
                                                            string
                                  type*
                                                            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.
                                                                                          stringl
                                                                currentState*
                                                                                          string
                                                                                          example: close
                                                                                          Current state of the control.
                                                              }]
                               }]
}
Room
            {
                              Information about a room.
    guestRoomNumber
                              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.
}
```

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```
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
                                Γ
                           Radio channels available to the terminal. Each channel is identified by its number in the
                            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.
                            example: miracast]
}
```

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

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```
TerminalState-key
                              Information about the current state/activity of a terminal.
    key*
                              string
                              example: arrowUp
                              Identifier of the simulated key.
                              [ 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.
                              string
    power*
                              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).
                              string
    service
                              example: tv
                              Identifier of a Middleware service or activity.
                                  [ 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...).
}
```

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