

Package: ha (via r-universe)

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Title Interact with 'Home Assistant'

Version 0.0.0.9000

Description Provides tools to control smart home features via the API for 'Home Assistant' <<https://developers.home-assistant.io/>>. Allows for controlling states, services, and events. Supports configuring both local access and remote access.

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ha_api	<i>Check if the API is running</i>
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Description

Check if the API is running

Usage

ha_api(ip = NULL)

Arguments

ip IP address. Default is NULL, which uses the local host.

Value

A list containing the API information.

Examples

ha_api()

ha_check_config	<i>Get Home Assistant configuration validity</i>
-----------------	--

Description

Get Home Assistant configuration validity

Usage

```
ha_check_config(ip = NULL)
```

Arguments

ip	IP address. Default is NULL, which uses the local host.
----	---

Value

A list containing the Home Assistant configuration check result.

Examples

```
ha_check_config()
```

ha_delete_states	<i>Remove Home Assistant State</i>
------------------	------------------------------------

Description

Remove Home Assistant State

Usage

```
ha_delete_states(entity_id, ip = NULL)
```

Arguments

entity_id	Entity ID. For example, sensor.temperature.
ip	IP address. Default is NULL, which uses the local host.

Value

A list containing a confirmation message.

Examples

```
ha_set_states('rpkg.test', 'on')  
ha_delete_states('rpkg.test')
```

ha_get_calendars	<i>Retrieve Home Assistant calendars</i>
------------------	--

Description

Retrieve Home Assistant calendars

Usage

```
ha_get_calendars(ip = NULL)
```

Arguments

ip	IP address. Default is NULL, which uses the local host.
----	---

Value

A list containing Home Assistant calendar information.

Examples

```
ha_get_calendars()
```

ha_get_config	<i>Retrieve Home Assistant Configuration</i>
---------------	--

Description

Retrieve Home Assistant Configuration

Usage

```
ha_get_config(ip = NULL)
```

Arguments

ip	IP address. Default is NULL, which uses the local host.
----	---

Value

A list containing the Home Assistant configuration.

Examples

```
ha_get_config()
```

ha_get_error_log	<i>Retrieve Home Assistant Error Log</i>
------------------	--

Description

Retrieve Home Assistant Error Log

Usage

```
ha_get_error_log(ip = NULL)
```

Arguments

ip IP address. Default is NULL, which uses the local host.

Value

A character vector containing the Home Assistant error log.

Examples

```
ha_get_error_log()
```

ha_get_events	<i>Retrieve Home Assistant Events</i>
---------------	---------------------------------------

Description

Retrieve Home Assistant Events

Usage

```
ha_get_events(ip = NULL)
```

Arguments

ip IP address. Default is NULL, which uses the local host.

Value

A list containing Home Assistant event information.

Examples

```
ha_get_events()
```

ha_get_history	<i>Retrieve Home Assistant History</i>
----------------	--

Description

Retrieve Home Assistant History

Usage

```
ha_get_history(entity_id, timestamp = NULL, ip = NULL)
```

Arguments

entity_id	Required. Entity ID. For example, sensor.temperature.
timestamp	Optional. Time in YYYY-MM-DDThh:mm:ssTZD format.
ip	IP address. Default is NULL, which uses the local host.

Value

A list containing Home Assistant history entries.

Examples

```
ha_get_history('update.home_assistant_core_update')
```

ha_get_logbook	<i>Retrieve Home Assistant Logbook Entries</i>
----------------	--

Description

Retrieve Home Assistant Logbook Entries

Usage

```
ha_get_logbook(timestamp = NULL, ip = NULL)
```

Arguments

timestamp	Optional. Time in YYYY-MM-DDThh:mm:ssTZD format.
ip	IP address. Default is NULL, which uses the local host.

Value

A list containing Home Assistant logbook entries.

Examples

```
ha_get_logbook()
```

ha_get_services	<i>Retrieve Home Assistant Services</i>
-----------------	---

Description

Retrieve Home Assistant Services

Usage

```
ha_get_services(ip = NULL)
```

Arguments

ip IP address. Default is NULL, which uses the local host.

Value

A list containing Home Assistant service information.

Examples

```
ha_get_services()
```

ha_get_states	<i>Retrieve Home Assistant States</i>
---------------	---------------------------------------

Description

Retrieve Home Assistant States

Usage

```
ha_get_states(entity_id = NULL, ip = NULL)
```

Arguments

entity_id Optional. Entity ID. For example, sensor.temperature.
ip IP address. Default is NULL, which uses the local host.

Value

A list containing Home Assistant state information.

Examples

```
ha_get_states()
```

ha_render_template	<i>Render a Home Assistant Template</i>
--------------------	---

Description

Render a Home Assistant Template

Usage

```
ha_render_template(template, ip = NULL)
```

Arguments

- template a length one character vector containing the template to render.
- ip IP address. Default is NULL, which uses the local host.

Value

A length one character vector containing the rendered template

Examples

```
ha_render_template("My living room light is {{ states('light.h6076') }}.")
```

ha_set_event	<i>Set Home Assistant Events</i>
--------------	----------------------------------

Description

Set Home Assistant Events

Usage

```
ha_set_event(event_type, event_data = NULL, ip = NULL)
```

Arguments

- event_type The type of event to set, e.g. light.turn_on
- event_data Optional. A named list of data to send with the event.
- ip IP address. Default is NULL, which uses the local host.

Value

A vector of events fired with a confirmation or detailed information

Examples

```
ha_set_event('light.test')
```

ha_set_intent	<i>Set Home Assistant Intents</i>
---------------	-----------------------------------

Description

Note that this requires use of "intents" for Home Assistant, which are not enabled by default. Using these without enabling them will create an error.

Usage

```
ha_set_intent(intent, ip = NULL)
```

Arguments

intent	an intent to fire
ip	IP address. Default is NULL, which uses the local host.

Value

A list of intents

Examples

```
ha_set_intent(list(name = 'SetTimer', data = list(seconds = '30')))
```

ha_set_key	<i>Add Entry to Renviron</i>
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Description

Adds Home Assistant API key to .Renviron.

Usage

```
ha_set_key(key, overwrite = FALSE, install = FALSE, r_env = NULL)
```

Arguments

key	Character. API key to add to add.
overwrite	Defaults to FALSE. Boolean. Should existing FELT_KEY in Renviron be over-written?
install	Defaults to FALSE. Boolean. Should this be added to an environment file, r_env?
r_env	Path to install to if install is TRUE.

Value

key, invisibly

Examples

```
example_env <- tempfile(fileext = '.Renviron')
ha_set_key('EXAMPLE-1234', r_env = example_env)
# r_env should likely be: file.path(Sys.getenv('HOME'), '.Renviron')
```

ha_set_services	<i>Set Home Assistant Services</i>
-----------------	------------------------------------

Description

Set Home Assistant Services

Usage

```
ha_set_services(domain, service, entity_id, ip = NULL)
```

Arguments

domain	An entity domain. For example, light or switch.
service	A service name. For example, turn_on or turn_off.
entity_id	Entity ID. For example, sensor.temperature.
ip	IP address. Default is NULL, which uses the local host.

Value

A list of changes made by the service call

Examples

```
ha_set_services('light', 'turn_off', 'light.h6076')
```

ha_set_states	<i>Set Home Assistant State</i>
---------------	---------------------------------

Description

Set Home Assistant State

Usage

```
ha_set_states(entity_id, state, attributes = NULL, ip = NULL)
```

Arguments

entity_id	Entity ID. For example, sensor.temperature.
state	A state value. For example, on or off.
attributes	Optional. A named list of attributes to set for the entity.
ip	IP address. Default is NULL, which uses the local host.

Value

a list of information on the new or updated state

Examples

```
ha_set_states(entity_id = 'rpkg.test', state = 'on',  
  attributes = list(version = '4.5.1'))
```

key	<i>Check or Get Home Assistant API Key</i>
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Description

Check or Get Home Assistant API Key

Usage

```
ha_has_key()
```

```
ha_get_key()
```

Value

logical if has, key if get

Examples

```
ha_has_key()
```

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