Remote Command Service, ReCoS

Remote Command Service, for executing scripts remotely but secure. This project consists of different components. One is the service, a small golang based microservice, which delivers all the functionality behind the UI. This service is responsible for the execution of the different actions. On the other side there are two Web applications, build on top of VUE as the main UI Framework. One for the client controlling the actions, one for the administration.

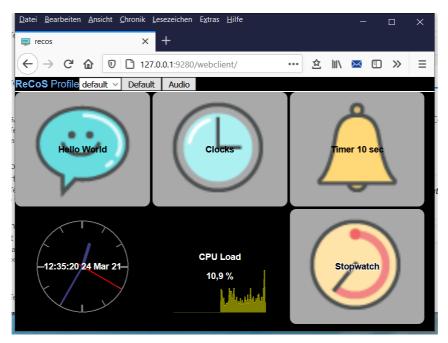
Installation

Installation is simple. Execute the installer. After installation you have to start the service itself. It's called recos-service.exe. Nothing else to do here. After the service is up, simply go to the web page http://localhost:9280/webadmin for the admin client.

For the normal execution client please use http://localhost:9280/webclient. On other machines simply change localhost to the ip of the computer where the service is running, like http://192.16
8.178.34/webclient

ReCoS Client - Web Client Interface

This is the ReCoS web client. After successful installation you can access it with http://127.0.0.1:9280/webclient on the same computer.



The client has a small toolbar and a big area, presenting the different actions. But let us start at the very beginning. First, everything is organized in a **profile**. You can have different profiles for different clients, or different scenarios. One client can only present one profile at a time, but you can have different profiles in different browser open. As an example, you can have a special profile for your Phone and another for the Pad and a really big one for the PC. And all can be active at the same time. But to emphasize again, you can of course also operate the same profile on 2 different devices at the same time. When starting the client, the first profile is selected. You can select profiles using the Profile Combobox.

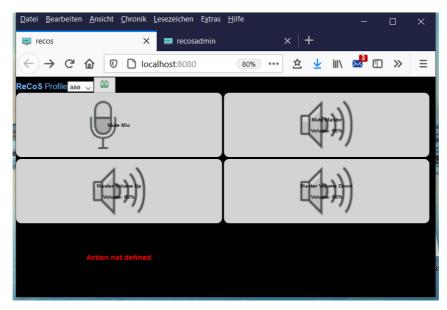
Each profile has different **pages** for further structuring. When the client starts, the first page is automatically selected. A page then consists of rows and columns. You can set the size in the Admin Client. The more rows and columns you have, the smaller the individual actions become. The page adapts its actions to the possible space. Pages can be changed directly via the toolbar (shown as buttons) or via special actions. Whether a page appears at the top of the bar can be set in the page configuration. If the page has no icon, only the name is displayed.

In the client area you will see 2 types of buttons and maybe some empty space. First, all buttons with the gray background are buttons that you can press. (**Single** Action)This is the default behavior. On Press the underlying commands will be executed on the computer where the service is running.

The buttons with the black background are for display purposes only. (**Display** Action) System states or other parameters are displayed there.

The empty fields are waiting for you so that you can store something there.

If you see a field with the red warning Action not defined, there is a misconfiguration. You may have deleted an action, but not removed it from the button.



Buttons or actions can have several statuses. Depending on the situation, different icons are then displayed there. When a command is running, the hourglass is usually displayed. The turning position of the hourglass shows how many commands are currently being carried out. (Yes, actions can contain a command list)

In the case of so-called **multi**-actions, this action runs through a list of actions. The 1st action is carried out with the 1st press, the 2nd with the 2nd press and so on. The respective status is represented by the icon of the corresponding action.

As already mentioned, an action can contain several commands. (The "Hello World" action contains e.g. 3 commands: start notepad, wait a few seconds, write "Hello ReCoS"

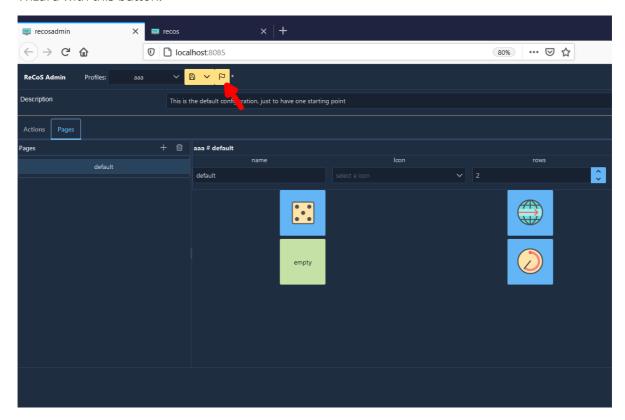
ReCoS Admin - Web Admin Interface

Writing to the service will be protected with a password. You can set this password in the service configuration. The default password is recosadmin. The username is admin. (But will not need this, until you try to access the Service interfaces directly)

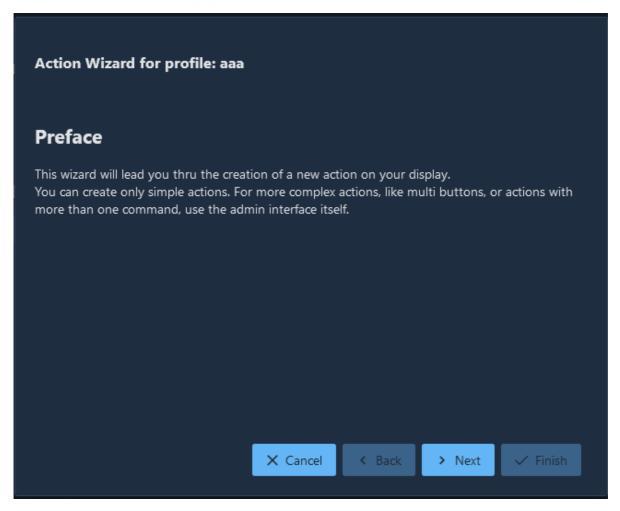
To deactivate password check simply add an empty password to the configuration.

Action Wizard

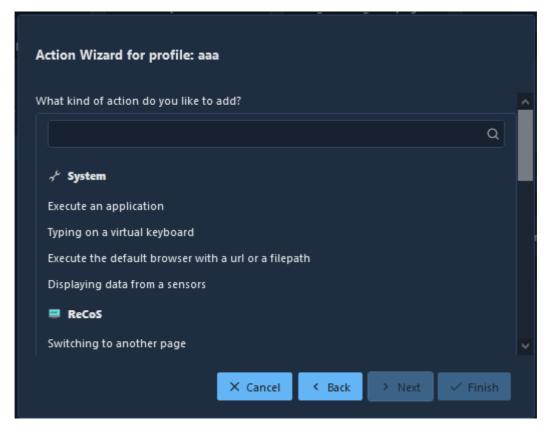
With the Action Wizard you can quickly and easily create new commands. You start the Action Wizard with this button.



First you will see this preface page:

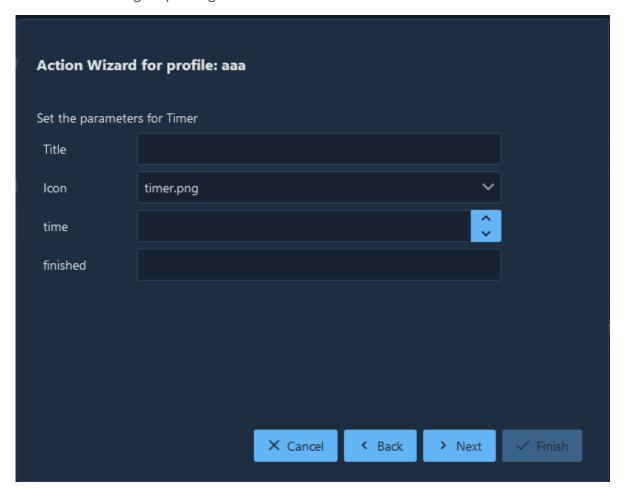


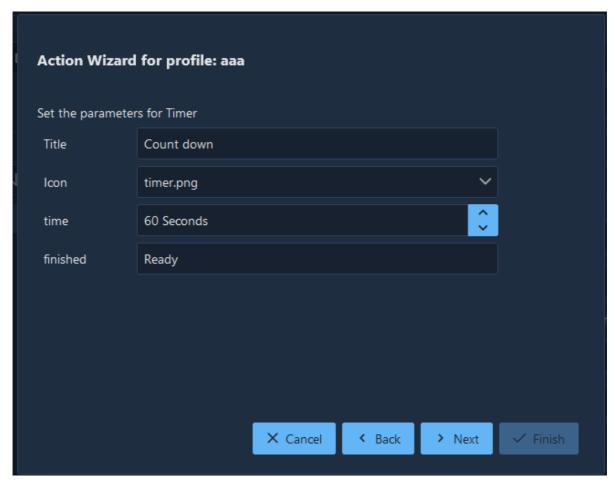
On the next page you can choose the command that should be generated. You can use the search field to search through the list of commands.



Go on with Next.

In the next dialog you can provide some information about the command. You can assign a title for the button, assign an icon (a default is given directly by the command), and you can make various other settings depending on the command. Continue here with Next.

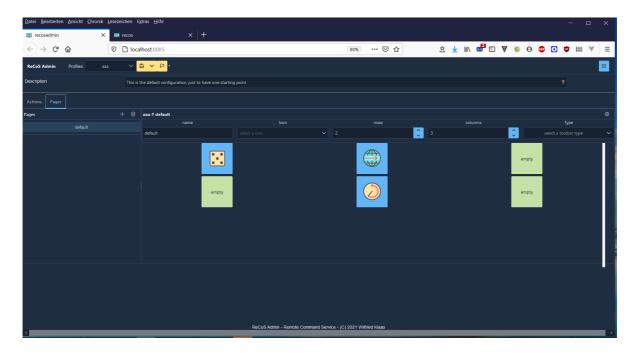




On this last page you can determine where the action should be displayed. You can select different pages here, or create a new page. Simply click on a free button where the action should be stored. To save the action and the profile, please select Finish.

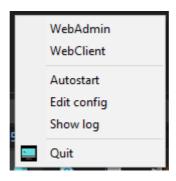


In the Admin Client you can then see what the wizard has generated for you.



ReCoS Service

The service is the main component of the ReCoS. This is the unit of work, doing all the nice things. But you will only see a little Icon in the taskbar. And there is a small context menu.



Here you can directly start the web interface or the admin client. And you can register the service to automatically start on windows start. Next option is to edit the service.yaml file, which contains all configuration for the service itself. Normally you don't need to do here anything, but just in case...

The last Menu entry is for shutting down the Service.

Profileconfiguration

Every profile has it's own configuration file. This file is written in yaml and has the following sections:

In the root you will find the following parameters

name: The name of the profile

description: a user readable description

pages: This are the different pages for showing up the actions

actions: a list of different actions. An action can appear on different pages. But as it's the same action, the status/result will be the same.

This is an example

name: default

description: This is the default configuration, just to have one starting point

```
pages:
    - name: Default
      description: Some default command for every operating system
      columns: 3
      rows: 2
      toolbar: ""
      cells:
        - Hello_World
        - clocks
        - timer
        - analogclock
        - cpuload
        - stopwatch
    - name: clocks
      description: clocks only
      columns: 2
      rows: 2
      toolbar: hide
     cells:
        - Back
        - none
        - clock
        - analogclock
actions:
    - type: SINGLE
      name: Hello_World
      title: Hello World
      icon: chat.png
      description: Execute notepad and wirte Hello ReCoS to it.
      fontsize: 0
      fontcolor: ""
      outlined: false
      runone: true
      commands:
        - id: EXECUTE_0
          type: EXECUTE
          name: execute
          description: ""
          icon: ""
          title: ""
          parameters:
            args: []
            command: notepad.exe
            waitOnClose: false
        - id: DELAY_1
          type: DELAY
          name: delay
          description: ""
          icon: ""
          title: delay
          parameters:
            time: 3
        - id: KEYS_2
          type: KEYS
          name: typeit
          description: ""
          icon: ""
          title: typeit
```

```
parameters:
        keys: Hello ReCoS
        layout: de
  actions: []
- type: SINGLE
  name: clocks
  title: clocks
  icon: clock.png
  description: Goto clocks page
  fontsize: 0
  fontcolor: ""
  outlined: false
  runone: true
  commands:
    - id: PAGE_3
     type: PAGE
     name: page
     description: ""
     icon: ""
     title: ""
     parameters:
        page: clocks
  actions: []
- type: SINGLE
  name: timer
  title: Timer 10 sec
  icon: alarm_bell.png
  description: timer counting down 10 sec
  fontsize: 0
  fontcolor: ""
  outlined: false
  runone: true
  commands:
    - id: TIMER_4
     type: TIMER
     name: timer
     description: ""
     icon: ""
     title: ""
     parameters:
        finished: Fertig
        format: noch %ds
        time: 10
  actions: []
- type: DISPLAY
  name: analogclock
  title: Analogclock
  icon: ""
  description: ""
  fontsize: 0
  fontcolor: white
  outlined: false
  runone: true
  commands:
    - id: CLOCK_5
     type: CLOCK
      name: clock
      description: ""
```

```
icon: ""
      title: ""
      parameters:
        analog: true
        format: "15:04:05\r\n02 Jan 06"
  actions: []
- type: SINGLE
  name: screenshot
  title: Screenshot
  icon: monitor.png
  description: doing a screenshot
  fontsize: 0
  fontcolor: ""
  outlined: false
  runone: true
  commands:
    - id: SCREENSHOT_6
     type: SCREENSHOT
     name: screenshot
     description: ""
     icon: ""
     title: ""
     parameters:
        display: 1
        saveto: e:/temp/screenshot
  actions: []
- type: DISPLAY
  name: cpuload
 title: CPU Load
  icon: company.png
  description: cpu usage
  fontsize: 0
  fontcolor: white
  outlined: false
  runone: true
  commands:
    - id: HARDWAREMONITOR_7
     type: HARDWAREMONITOR
     name: cpu
     description: ""
     icon: ""
     title: ""
      parameters:
        color: '#ffff00'
        display: both
        format: '%0.1f %'
        sensor: CPU/Intel Core i7-6820HQ/Load/CPU Total
  actions: []
- type: SINGLE
  name: stopwatch
  title: Stopwatch
  icon: timer.png
  description: simple stop watch
  fontsize: 0
  fontcolor: black
  outlined: true
  runone: true
  commands:
```

```
- id: STOPWATCH_8
     type: STOPWATCH
     name: stp1
     description: ""
     icon: ""
     title: ""
     parameters:
       format: 'Mom: %0m:%0s'
  actions: []
- type: SINGLE
  name: clock
  title: text clock
  icon: clock.png
  description: ""
  fontsize: 0
  fontcolor: ""
  outlined: false
  runone: false
  commands:
    - id: CLOCK_9
     type: CLOCK
     name: clock
     description: ""
     icon: ""
     title: clock
     parameters: {}
  actions: []
- type: SINGLE
  name: Back
  title: ""
  icon: ""
  description: ""
  fontsize: 0
  fontcolor: ""
  outlined: false
  runone: false
  commands:
    - id: PAGE_10
     type: PAGE
     name: Back
     description: ""
     icon: ""
     title: Back
     parameters:
       page: Default
  actions: []
```

Page

A page is a view component mainly showing with rows and columns. Each of this cells will than visualize an action. The cells list will link to an action by name in the action list. The index of an action of a cell is calculated as

```
index = (cell.row * page.rows) + cell.column
```

parameters:

name: The name of the page

description: a user readable description

icon: the icon of this page

columns: Number of columns on the page

rows: Number of rows on the page

too1bar: show, this page will appear in the toolbar to directly switch to, hide, if this page should

appear in the toolbar. With the page command you can switch to this page.

cells: List of names of the action per cell

Example:

name: page1
icon: clock.png
columns: 5
rows: 5
cells:
 - action1
 - action2
 - action3

Action

An action is the part which defines, what to do if a cell is triggered.

The following parameters are used:

type: **SINGLE** is a single shot action. The action is always starting the command list.

DISPLAY is a display only cell. It will only show Text, Icons, or images, but you can't interact with it. **MULTI** is the third option. Here you can define 3 or more stages, and you every stage you can define the status and a command list, which is fired on activating this stage. As you can see, a simple on/off switch is a Multi with 2 Stages.

name: s the name of the action

title: the title of the action used by the UI

description: user defined description of this action

runone: is true or false. On true, if the action is fired twice, all commands of the first execution must be finished before the second execution will take place. On false, the execution will start directly without checking the action execution state.

icon: the icon which will be displayed on the cell

fontsize: the size of the title and the text, defaults to 14

fontcolor: the color of the title and the text, defaults to black

outlined: true or false, sometime reading a black text on a black ground is a little bit difficult. lining out can help.

commands: list of commands for execution of this action

actions: only apply in a MULTI action. For every stage there should be the name of the action which will be called, when the stage is executed. If a stage is executed, the icon of the last executed action (stage) will be displayed as the icon of the multi action and the title will be displayed on the text line. Example for a multi action:

```
type: MULTI
name: action2
title: Multi Action
description: description for action
icon: hand_share.png
actions:
  - action2_1
  - action2_2
  - action2_3
```

Example for a single action:

```
type: SINGLE
name: action1
title: Action Title Sync
description: description for action
fontsize: 10
fontcolor: "#FF0000"
outlined: true
runone: true
icon: trash_can.png
commands:
  - type: DELAY
   name: delay
    parameters:
     time: 2
  - type: EXECUTE
   name: execute
    parameters:
     command: echo.bat
     args:
      - "Hello world"
  - type: DELAY
   name: delay
    parameters:
     time: 1
```

Command

This is the unit of work, which should be executed

type: the type of the command name: names the command

description: a user readable description

icon: should be the icon that should be displayed when running this command title: should be the text that should be displayed when running this command

parameters: parameters defers from command to command

No Operation

Do nothing.

Type: NOOP

Parameter: none

Example

```
type: DELAY
name: delay
icon: accesibility.png
title: Do Nothing
```

Audiocontrol

taking control over your audio devices.

With this command, you can take control different audio devices for setting volume and mute.

type: AUDIOVOLUME

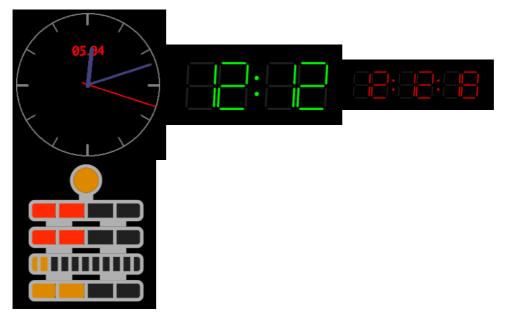
Parameter:

device: the device that you would like to control. There are different devices in your system. Which one you can select, can be seen in the admin interface or on startup in the console. There are 2 defaults: master for the master output. This is on widows the one that you can control directly with the taskbar icon. And mic which is for the default input device.

command: this is the command you want to fire. mute, which toggles the mute state. volume up for increase and volume down for decreasing the volume of that device.

```
type: AUDIOVOLUME
name: audiovolume_3
description: new AUDIOVOLUME command created by ActionWizard
icon: ""
title: ""
parameters:
   command: volume up
   device: master
```

Clock



Just a clock in different designs.

type: CLOCK

Parameter:

format: the format of the time in Golang format syntax, defaults: 15:04:05

dateformat: the format of the date in Golang format syntax, used by different designs, defaults:

02.01

analog: true or false, shows an analog clock

timezone: string with the name of the timezone of the IANA Timezone database (https://en.wikip.edia.org/wiki/List of tz database time zones)

design: the desing of the clock. analog is for a analog clock, digital showing a nice digital clock, berlin is showing the berlin clock (https://en.wikipedia.org/wiki/Mengenlehreuhr).

showseconds: showing the seconds in the design.

showdate: showing the date in the design formatted with dateformat.

color: the color of the segments of the digital clock

Example 1: simple textual clock

```
type: CLOCK
name: clock
parameters:
  format: "15:04:05 02 Jan 06"
```

Example 2: showing a nice digital clock with red 7-segment digits

```
type: CLOCK
name: clock_1
description: new CLOCK command created by ActionWizard
parameters:
   format: "02-01"
   analog: true
   design: digital
   showseconds: true
   color: "#ff0000"
```

Counter

just a simple counter.

A simple counter, with persisting value.

type: COUNTER

Parameter:

persist: true or false, if true, the counter will persist between service restarts

oldschool: rendering an old school counter with 7-segment digits

color: the color of the segments

Example

```
type: COUNTER
name: counter_0
description: count the clicks
parameters:
   persist: true
```

Days remain

show the days remains to a end date.

This will show the days remain until a end date.

Type: DAYSREMAIN

Parameter:

date: end date in format "yyyy-mm-dd"

formatTitle: the title message for the response, defaults %d formatText: the text message for the response, defaults %d

finished: the message at the end of the days remain, defaults: finished

Example

```
type: DAYSREMAIN
name: daysremain_0
description: new Days remain command created by ActionWizard
parameters:
   date: "2021-11-26"
   formattitle: "%d"
   formattext: "bis 53"
   finnished: "53"
```

Delay

type: DELAY

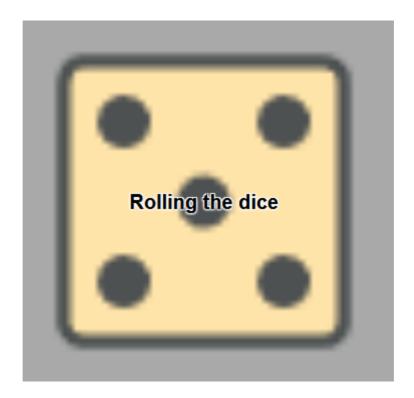
Parameter:

time: time to delay in Seconds

Example

type: DELAY
name: delay
parameters:
 time: 2

Dice



rolling the dice

A simple dice implementation with nice ui and different values.

type: DICE

Parameter:

sides: the number of sides of the dice. For sides <= 9a nice UI is implemented.

Example

type: DICE
name: dice_0
parameters:
 sides: 6

Execute

type: EXECUTE

Parameter:

command: the executable or shell script to execute, with or without path

args: list of string arguments to this executable

waitonclose: waits until the executable is closed or script is finnished.

Example

```
type: EXECUTE
name: execute
parameters:
  command: go.exe
  args:
    - "version"
  waitOnClose: true
```

Hardware monitor

This command connects to the openhardwaremonitor application on windows. With this you can get different sensors of your computer. For using the webserver of the openhardwaremonitor app, you have to add another external configuration into the main service configuration. The url is the url to the app webserver added with data.json. the updateperiod is the update time in seconds.

```
extconfig:
   openhardwaremonitor:
   url: http://127.0.0.1:12999/data.json
   updateperiod: 5
```

If you have configured this, the service will evaluate on startup the connection and all possible sensor names. This list of names you will see in the log and in the configuration there is a file sensorlist.txt with all sensors names. The sensor name starts with the category, like CPU, GPU or Memory, followed by the hardware component. After that there is the sensor type like Clocks, Temperatures or Load, followed by the sensor name. To use a sensor name manually you have to copy the whole name: like "CPU/Intel Core i7-6820HQ/Load/CPU Total"

On the action side you have to configure this:

type: HARDWAREMONITOR

Parameter:

sensor: the sensor name like given above.

format: the format string for the textual representation

display: text, graph, text shows only the textual representation, graph shows both

ymin: the value for the floor of the graph
ymax: the value for the bottom of the graph

color: color of the graph

```
type: HARDWAREMONITOR
name: cpu
parameters:
    sensor: "CPU/Intel Core i7-6820HQ/Temperature/CPU Package"
    format: "%0.1f °C"
    display: text
    ymin: 30
    ymax: 80
    color: "#ff0000"
```

Keys

Sending keys to the active application. This command is emulating a keyboard input by sending key strokes of a keyboard to the active application. You can use different keyboard layouts and there are some macros defining special keys.

type: KEYS

keylayout: defining the layout of the keyboard used to send the data. en for English (us) "qwerty" and de for a German "qwertz" keyboard layout. Default is "de"

keystrokes: are the string with the keys used to send. For special keys there are defined special macros. Every macro starts with an "{" and ends than with "}". If you want to send the "{" as a character simply double this. ("{" -> "{{").

Another specialized character is the "~" char. It will lead into a 1 second delay between the typing. To get the "~" Character, simple double it.

The following macros are defined:

Macro	Keyboard key
backspace, bs, bksp	backspace
break	break
capslock	caps lock
del, delete	delete
down	arrow down
end	end
enter	enter
esc	esc
help	help
home	home
ins, insert	insert
left	arrow left
num	num lock
pgdn	page down
pgup	page up
prtsc	print screen
right	arrow right
scrolllock	scroll lock
tab	tab
up	arrow up
f1 f12	function key 1 12

type: KEYS
name: sendkeys
parameters:
 keylayout: de

keystrokes: "akteon00{enter}"

Mediacontrol

taking control over your media player.

With this command, you can take simple control of your media player. The commands are Start, Stop, Next and Provious.

type: MEDIAPLAY

Parameter:

command: this is the command you want to fire. start, which starts the mediaplayer or pause it, if it's already started. stop for stopping the player and next and previous for going to the next/previous part.

```
type: MEDIAPLAY
name: mediastart_0
description: new MEDIAPLAY command created by ActionWizard
parameters:
   command: start
```

Page

Switch to another page.

type: PAGE

Parameter:

page: the name of the page to switch to

```
type: PAGE
name: page
parameters:
  page: page2
```

Philips Hue Lights and Scenes

2 Commandos for controlling philips hue lights and groups.

type: PHUELIGHTS

Parameter:

name: the name of the hue light, group, room or zone. If a light is accessed the keyword "Light:" will be in front of the parameter, otherwise the keyword "Group:"

brightness: the brightness of the light (1..254, 0 for unused) saturation: the saturation of the light (1..254, 0 for unused)

hue: the hue of the light, this is a color value ranging from 1..65535, 0 for unused

colortemp: the color temperature of the light, this is a value ranging from 2000..6500, 0 for

unused

color: the color of the light

type: PHUESCENES

Parameter:

name: the name of the hue group, room or zone.

scene: the scene to apply to

brightness: the brightness of the group (1..254, 0 for unused)

```
type: PHUELIGHTS
name: hue_0
description: new PHUELIGHTS command created by Actionwizard
parameters:
   name: "Light: Hue color lamp 1"
   brightness: 0
   color: ff0000
```

```
type: PHUESCENES
name: hue_0
description: new PHUESCENES command created by Actionwizard
parameters:
   name: "office"
   scene: "winterday"
   brightness: 0
   color: ff0000
```

ATTENTION: As names of the lights, groups, scenes ... are used here to identify the object, please be sure that in the definition of those the names are unique. Otherwise ReCoS maybe control the only one of those.

Play audio



Playing an audio file. Available formats are: wav, mp3, ogg and flac.

type: PLAYAUDIO

Parameter:

file: the name and path to the audio file, which should be played.

```
type: PLAYAUDIO
name: playaudio_0
description: new PLAYAUDIO command created by ActionWizard
parameters:
   file: "../general/dial-tone.mp3"
```

Ping



Shows ping times to a server.

Here you can test your connection to a server. Ping will test the connection to a server, You can use an IP Address or a server name (without any http...) If you put this command to an display action you can set a period so that the command will automatically start every #period seconds a test. The result is the actual ping time in ms.

type: PING

Parameter:

name: the URL to ping to. You can use the Internet address name (without the protocol) or a simple IP address

period: the period in seconds when the command should automatically be executed.

Example 1

type: PING
name: ping_0

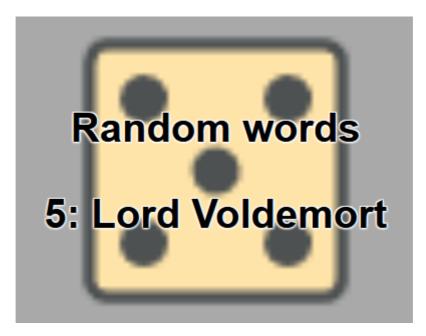
description: check ping with a url

parameters:

name: www.wk-music.de

period: 10

Random words



Choose a random word/phrase out of a list

type: RNDWORDS

Parameter:

words: The list of words/phrases to choose one randomly from

Example

```
type: RNDWORDS
name: words_0
description: new RNDWORDS command created by ActionWizard
parameters:
  words:
    - "Harry Belafonte"
    - "Willie Klaas"
    - "Lukas Lars"
    - "Luke Skywalker"
    - "Lord Voldemort"
    - "Harry Potter"
```

Screenshot

making a screenshot.

With this command, you can take a screenshot.

type: SCREENSHOT

Parameter:

saveto: the folder, where the screen shot will be saved. Format is

screen_<#number>_<display>.png

display: optional, the number of the display, if you want to store screen shot of every display please use -1. Getting the right display, simply do a screen shot with display = -1. Than look at the screen shots and look in the name at the last number of the right image. That is your display.

```
type: SCREENSHOT
name: screenshot
parameters:
   saveto: e:/temp/screenshot
   display: 1
```

Send message

type: SENDMESSAGE

Parameter:

receiver: the receiver of this message. client is for all clients having this particular action active, service is for the service itself. (Or more the user sitting on the service related desktop) message: the message to send

Example 1

```
type: SENDMESSAGE
name: sendmsg_0
description: new SENDMESSAGE command created by ActionWizard
parameters:
   message: "Hello World"
   receiver: client
```

Start Browser

type: BROWSE

Parameter:

url: the URL to show in the system browser. On Windows if you choose a normal filesystem folder, it will automatically start the explorer on this path.

Example 1

```
type: BROWSE
name: browse
description: start a new browser windows with a url
parameters:
   url: https://www.wk-music.de
```

Example 2

```
type: BROWSE
name: browse
description: start a new explorer windows with a filepath
parameters:
   url: c:\windows
```

Stopwatch

A simple textual stopwatch.

type: STOPWATCH

Parameter:

format: the format of the time. The % character signifies that the next character is a modifier that specifies a particular duration unit. The following is the full list of modifiers supported by godurationfmt:

- %y # of years
- %w # of weeks
- %d # of days
- %h # of hours
- %m # of minutes
- %s # of seconds
- %% print a percent sign

You can place a 0 before the h, m, and s modifiers to zeropad those values to two digits. Zeropadding is undefined for the other modifiers.

Example

```
type: STOPWATCH
name: stp1
parameters:
  format: "Mom: %0m:%0s "
```

Timer

Starting a timer with a response every second. You can define the format of the timer message and the message on finish.

type: TIMER

Parameter:

time: time to delay in Seconds

format: the message for the response, defaults %d seconds finished: the message at the end of the timer, defaults: finished

Example

```
type: TIMER
name: timer
parameters:
  time: 10
  format: noch %ds
  finished: Fertig
```

WindowCtrl

Controlling Application Main Window.

With this command, you can control the main window of an application.

```
type: WINDOWCTRL
```

Parameter:

caption: the caption of the application window

command: the command to execute on this window. Possible values are:

minimize: for minimizing the application window

activate: for activating the application window again. (restore it if minimized and active/bring it

to front)

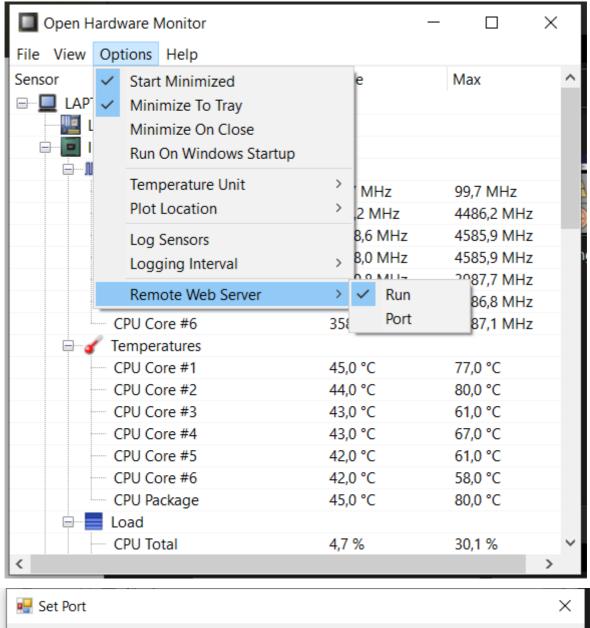
move x y: moving the window to the new position x,y

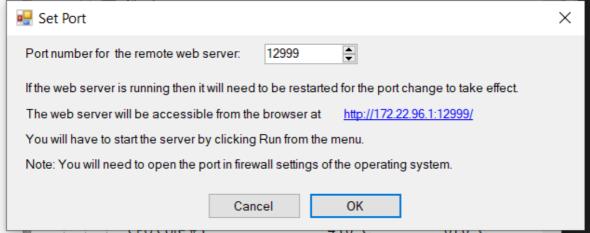
```
# activate the german calculator program
type: WINDOWCTRL
 name: control window
 parameters:
   caption: Rechner
   command: activate
# move it to it's new location
- type: WINDOWCTRL
 name: control window
 parameters:
  caption: Rechner
   command: move 700 300
# minimize it
- type: WINDOWCTRL
  name: control window
  parameters:
   caption: Rechner
    command: minimize
```

Installing 3'rd Party products

Installation of OpenHardwareMonitor

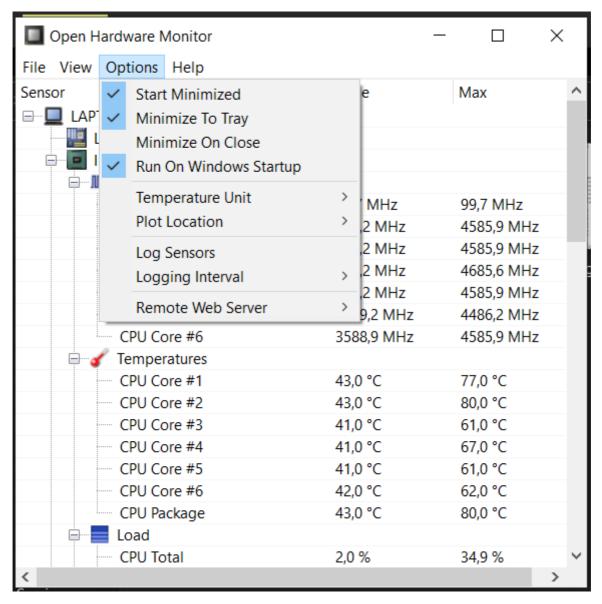
For hardware sensor reading ReCoS relies on the OpenHardwareMonitor Software. (https://openhardwaremonitor.org/) To get use of it, simply install the software. After installation, go to Option/Remote Web Server/Port.





As Portnumber enter 12999 (which is the default for Combination of ReCoS and OHM)

After that simply activate the OHM Webserver via Option/Remote Web Server/Run. The OHM should be available after restart of wndows, so please tick the following options on. Now everything of the OHM side is ready. The ReCoS service will now automatically connect to the OHM and get all Sensors.



If you have already installed the OHM (maybe for another App) and you can't reconfigure the port option, you can simply change the port for ReCoS in the service.yaml. Same for the part where you want to get Sensors from another Computer.

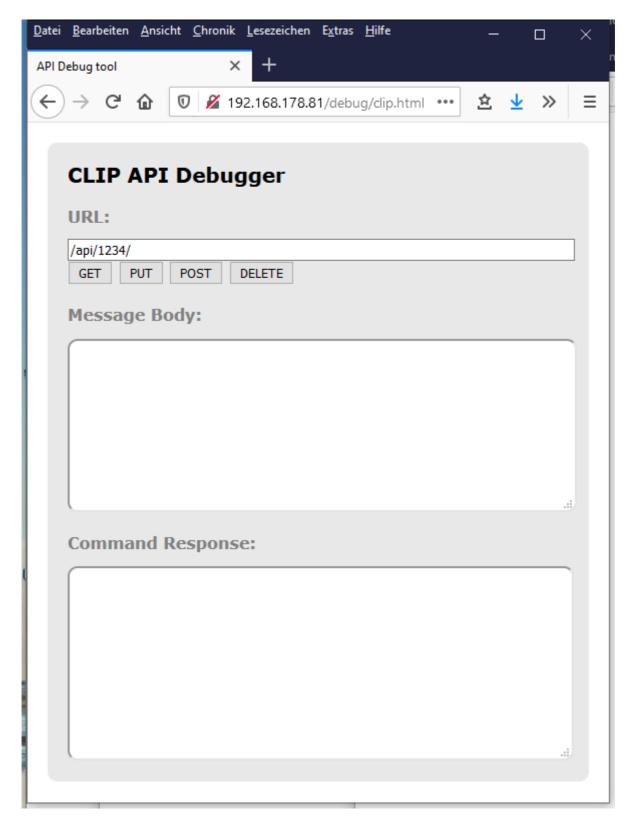
Here is the snippet:

```
extconfig:
    openhardwaremonitor:
    url: http://127.0.0.1:12999/data.json
    updateperiod: 5
```

Installation Philips Hue

First of all, a new user must be created for the ReCoS installation. To do this, please start your browser and go to the clip page of your Hue Bridge.

http:///debug/clip.html

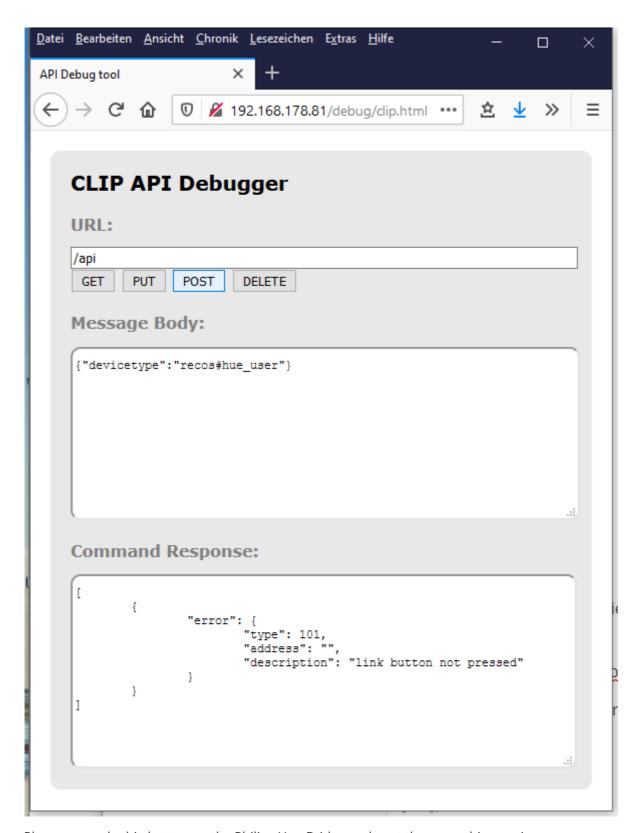


Now please post the following to the bridge.

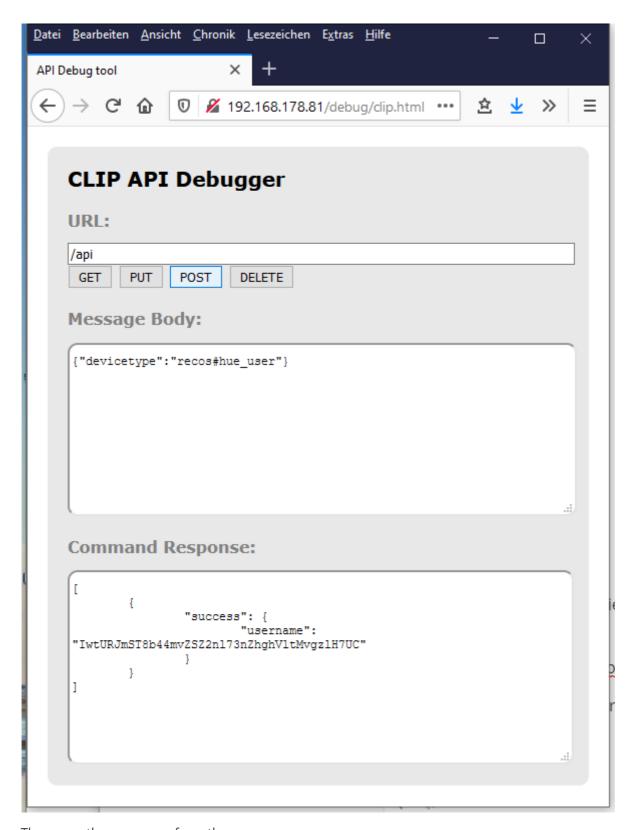
URL: /api

Message Body: {"devicetype":"recos#hue_user"}

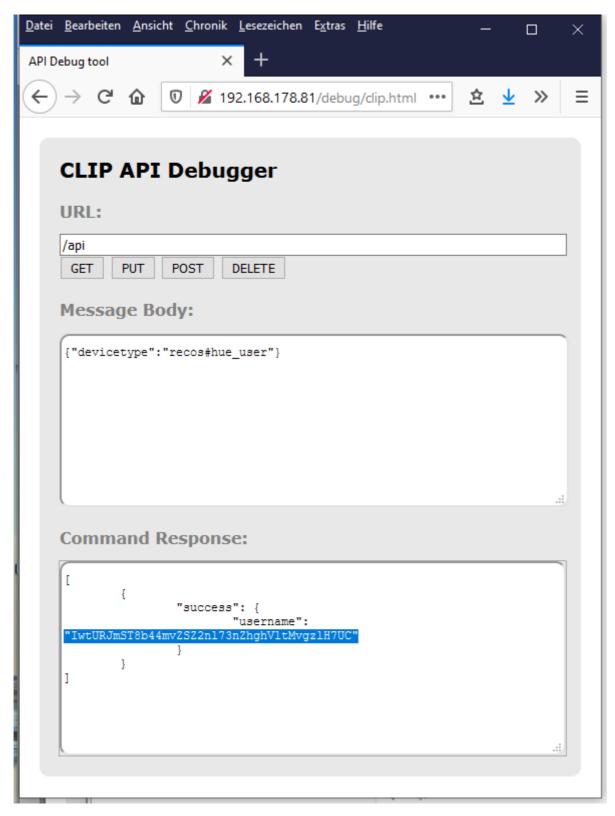
With the first attempt an error message appears.



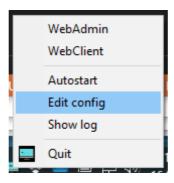
Please press the big button on the Philips Hue Bridge and post the same thing again.



Then copy the username from the answer:



Now you have to change the ReCoS configuration. To do this, please start the configuration file via the context menu.



In the extconfig: area, the area for philipshue must now be changed. Please enter the above key here as the username and change the ipaddress accordingly.

updateperiod is the time span in seconds in which ReCoS polls the bridge for changes.

extconfig:
 philipshue:

username: IwtURJmST8b44mvZSZ2n173nZhghVltMvgzlH7UC

device: recos#hue_user
ipaddress: 192.168.178.81

updateperiod: 5

Thanks

Thanks goes to iconshock for the great icons set.