



Documentation „METASEC WebTAPI“ Interface

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General:

The WebTAPI framework is a service interface for interaction with the Metasec Zphone Framework (MZF). WebTAPI can be used for any kind of 3-rd party software interaction as a HTTP/HTML/XML driven webservice. Communication in both directions can be established. A 3-rd party software can send and receive commands form the system.

The whole communication is done by HTTP or HTTPS GET or POST requests.

Global variables / general convenstions:

| | | |
|------------|---|--|
| \$SID | = | SessionID |
| \$action | = | Action / Command |
| \$src | = | User Login Name, mostly the voip extension |
| \$dst | = | Target / Destination |
| \$valuenam | = | any other kind of value |

Return values:

As far as there is no *_list request, the return value is always a 1 in case of success, or a 0, if there was an error.

Example:

Create a call / calling outside:
User 1004calls destination 1001

```
http://192.168.1.1:9998/webtapi/webtapi.php?action=call&SID=198340c107a6d74c2230a1f39fb146bc&src=1004&dst=1001
```

Request types / Commands:

Login / generate a session:

login = Session beginnen
 HTTP POST
 Array \$AUTH
 Value:
 \$ AUTH ["user"] = string, Username
 \$ AUTH ["pass"] = string, Password

The Return value is the string that holds the SessionID. If an error occurs, the return value is 0

The Login request is the only one, which **MUST** be done via HTTP POST! This is for security reasons. In other case, the password would be submitted to the server inside the URL string.

Call Management

call = **Create a call**

Additional / needed parameters:

src = calling party

dst = called party

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=198340c107a6d74c2230a1f39fb146bc&action=call&src=1004&dst=1001

call_pick = **Pick a call, redirect a call to another extension**

Additional / needed parameters:

chan = active channel to pickup

dst = destination to reroute call

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=call_pick&chan=SIP/sps2-00000023&dst=1004

call_hangup = **Hang up an active call**

Additional / needed parameters:

chan = active channel to hangup, the channel will be immediately closed!

Before handling channels, you need to receive a list of active calls with "call_list" or "call_list_all"

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=198340c107a6d74c2230a1f39fb146bc&action=call_hangup&chan=SIP/1004-00000010

call_prio = **create priority call to target, break active calls if needed**

Additional / needed parameters:

dst = called party, if there are active calls, it takes additional 1 second, to close the channels. All channels – ringing and already running are closed!

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=call_prio&dst=1004

call_list = **lists active calls for your extension**

Additional / needed parameters:

none

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=call_list

call_list_all = **lists ALL active calls on system**

Additional / needed parameters:

none

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=call_list_all

call_record_start = **start recording of the active call**

Additional / needed parameters:

chan = channel ID to monitor

monitor_file = optional filename to store, if not submitted, a filename will be generated

in both cases, with and without \$monitor_file, the filename that is used to store the file is the return value

Before handling channels, you need to receive a list of active calls with "call_list" or "call_list_all"

without monitor_file parameter:

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=call_record_start&chan=SIP/1004-00000018

with monitor file parameter

Request Example:

```
http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=call_record_start&chan=SIP/1004-00000018&monitor_file=lukas_223344
```

call_record_stop = **stop recording of the active call**

Additional / needed parameters:

chan = channel ID that is monitored

Request Example:

```
http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=call_record_stop&chan=SIP/1004-00000018
```

call_record_list = **list stored monitor files**

Additional / needed parameters:

None

Return Value:

List of available files. One file per line. Separator “\n”

Request Example:

```
http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=call_record_list
```

call_record_get = **download a monitorfile**

Additional / needed parameters:

monitor_file = name of the monitor file to download

Request Example:

```
http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=call_record_get&monitor_file=ff787e129af19513f4f1fdb360294452_1358699701.wav
```

call_status_get = **get status of extension**

Additional / needed parameters:

filter = comma separated list of local users

Return values:

- 1 = Exten not found
- 0 = Idle
- 1 = In Use
- 4 = Unavailable
- 8 = Ringing

All Users available on the System:

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=call_status_get

Only Status of given Users

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=call_status_get&filter=1001,1004

call_create_conf = **create conference with multiple participants**

Additional / needed parameters:

- stations = coma separated list of stations to put into conference
- break = true, break running calls if needed

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=call_create_conf&stations=1001,1002,1003&break=true

Queue Management:

q_list = **list available queues on system**

Additional / needed parameters:
none

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=q_list

agent_list = **list active agents on queue**

Additional / needed parameters:
q_name = name of the queue to list

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=agent_list&q_name=VMX

agent_login = **log in agent to \$queue**

Additional / needed parameters:
q_name = name of the queue to list

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=agent_login&q_name=VMX

agent_logout = **log off agent from \$queue**

Additional / needed parameters:
q_name = name of the queue to list

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=agent_logout&q_name=VMX

q_call_list = list calls on queue

Additional / needed parameters:

q_name = name of the queue to list

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=q_call_list&q_name=VMX

Return Value:

(Call went from 1004 to the extension 7777 which maps the Queue VMX)

```
SIP/1004-0000003a      = ChannelID
Callme                = irrelevant
7777                  = called internal extensin
Up                    = channel state
Queue                 = irrelevant
VMX, i                = q_name
1004                  = callerID
1004                  = callerIDName
1004                  = irrelevant
3                     = irrelevant
534                   = waittime
SIP/1001-0000003b!   = channelID of the connected agent
1358704647.94        = internal ID
```

q_waiting_list = list waiting callers on queue

Additional / needed parameters:

q_name = name of the queue to list

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=q_waiting_list

q_shift_caller = shift position of caller fore or back in the waitinglist

q_caller_del = remove waiting caller from queue

VMPLEX Management:

vmx_cam_list = **list cameras on system**

Additional / needed parameters:
none

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=vmx_cam_list

vmx_cam_get_pic = **get single picture from camera \$CAMID**

Additional / needed parameters:
CAMID = Internal camera ID, received with vmx_cam_list

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=vmx_cam_get_pic&CAMID=44

vmx_cam_get_stream = **get stream from camera \$CAMID**

vmx_cam_s_record = **start recoding stream from camera \$CAMID**

vmx_cam_p_save = **save single picture from camera \$CAMID**

Special Channel Management:

chan_play_dtmf = **play a dtmf tone on an active channel**

Additional / needed parameters:

chan = active channel to play on
tone = dtmf tone(s) to play

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=chan_play_dtmf&tone=1234

chan_monitor = **monitor / spy a channel**

Additional / needed parameters:

chan = active channel to monitor
dst = internal ID where to hear from

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=chan_monitor&chan=SIP/1222-9813871&dst=1001

Relay Control Management:

relay_list = **list available relays on the system**

Additional / needed parameters:
none

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=relay_list

relay_status_get = **get status of an relay contact**

Additional / needed parameters:
relay_id = id of the targeted contact

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=relay_status_get&relay_id=17

relay_status_set = **set / switch status of relay contact**

Additional / needed parameters:
relay_id = id of the targeted contact
status = status value to switch to

Request Example:

http://192.168.1.1:9998/webtapi/webtapi.php?SID=2dd557b65fcd500d57b18ea735e4f0f8&action=relay_status_set&relay_id=17&status=1