



# Documentation „METASEC WebTAPI“ Interface

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# Index

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General:.....	4
Global variables / general conventions: .....	4
Return values: .....	4
Example: .....	4
Request types / Commands:.....	5
Login / generate a session:.....	5
Call Management.....	6
call = Create a call.....	6
call_pick = Pick a call, redirect a call to another extension .....	6
call_hangup = Hang up an active call.....	6
call_prio = create priority call to target, break active calls if needed .....	6
call_list = lists active calls for your extension .....	7
call_list_all = lists ALL active calls on system .....	7
call_record_start = start recording of the active call.....	7
call_record_stop = stop recording of the active call.....	8
call_record_list = list stored monitor files .....	8
call_record_get = download a monitorfile .....	8
call_status_get = get status of extension .....	8
call_create_conf = create conference with multiple participants.....	9
Queue Management: .....	10
q_list = list available queues on system.....	10
agent_list = list active agents on queue.....	10
agent_login = log in agent to \$queue .....	10
agent_logout = log off agent from \$queue.....	10
q_call_list = list calls on queue.....	11
q_waiting_list = list waiting callers on queue.....	11
q_shift_caller = shift position of caller fore or back in the waitinglist .....	11
q_caller_del = remove waiting caller from queue.....	11
VMPLEX Management: .....	12
vmx_cam_list = list cameras on system.....	12
vmx_cam_get_pic = get single picture from camera \$CAMID.....	12

vmx_cam_get_stream	= get stream from camera \$CAMID .....	12
vmx_cam_s_record	= start recoding stream from camera \$CAMID .....	12
vmx_cam_p_save	= save single picture from camera \$CAMID .....	12
<b>Special Channel Management:</b> .....		13
chan_play_dtmf	= play a dtmf tone on an active channel.....	13
chan_monitor	= monitor / spy a channel .....	13
<b>Relay Control Management:</b> .....		14
relay_list	= list available relays on the system.....	14
relay_status_get	= get status of an relay contact.....	14
relay_status_set	= set / switch status of relay contact.....	14

## General:

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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:

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

## Return values:

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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:

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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:

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## 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:

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**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:

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**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](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](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