


/domain/<DOMAIN>/sip/user

- authentication
- call-list
- change-group
- check
- clean
- declare
- errors
- info
- list
- registered
- remove
- set
- stop-registration
- subscription-list
- subscription-monitor
- subscription-stop

SIP.

 <DOMAIN> - .

SIP

SIP-.

:

- SIP- (TR) - /domain/DOMAIN/trunk/sip/...
- SIP- (SUB) - - /domain/DOMAIN/sip/user/...  
"info" ( /).  
"rt" realm-time , .

,"" .  
"" , , /domain/DOMAIN/iface/...  
,"" .  
,"" ( ) : , - .  
,"" ( , , " "). ( ) .

 (" -"), - SIP.

- SIP-

alarm_enable	TR, SUB	: . : (. options_control); : ( ); : - true - ; - false - .	true
alias (aliases_list)	SUB	C , ,	-
aliases activities	SUB (info)	C	-
allow	SUB (info,rt)	, , ( , , "check OPTIONS" "INVITE"). - SIP.	-
allow events	SUB (info)	(Allow-Events), SIP-	-
authentication	SUB (info)	SIP-:, , qop	none
auto-answer-version	SUB	( SIP , ). : - default - ; - answermode - Auto-Answer: auto, Require: answermode(, RFC5373); - all-info - Call-Info: <sip:PBX_NAME>; answer-after=0 (Broadsoft, Yealink, Snom); - call-info - Call-Info: =\; answer-after=0 (Lynksys, Yealink); - call-info - ; - alert-info - Alert-Info: Auto Answer (Polycom, Yealink); - alert-info - Alert-Info: info=alert-autoanswer (Aastra); - alert-info - ; - none - ( -).	Alert-Info: Auto Answer

cdpn-transformation	TR	CDPN SetupInd SIP- ACDPN Redirecting : - none - ; - by-redirection - Redirecting Number; - by-generic-cdpn - Generic Number, Number qualifier indicator = 00000001 additional called number; - by-generic - Generic Number, Number qualifier indicator.	none
channel-contact-map	TR	, , , , : - add - ; - remove - ; - channel_range - ; - contact_range - ;	-
client-profile	SUB	SIP- . ( . SIP) - none - - auto - - _ -	none
compact-form	TR, SUB	SIP- . - default - ; - true - ; - false - .	-
connect time	TR (info)	( ,	-
contacts definition	SUB (info,rt)	: , , Via, User-Agent	-
content_encoding	TR	SIP- (). : - gzip - () ZIP; - none - .	none
declared by	TR, SUB (info, rt)	,	-
digest	SUB	. , trusted-ip,	true
disconnections number	TR (info)	( )	-
disable-remote-port-control	TR, SUB	. : - true - ; - false - .	false
display-name-encoding		/ sip url	win1251
dtmf-duration	TR, SUB	DTMF-, SIP INFO	100
dtmf-relay	TR, SUB	MIME DTMF SIP INFO. "true" "application/dtmf-relay", "application/dtmf"	false
fork-mode	SUB	SIP- - all-contacts - ; - find-me-one-by-one - ; - find-me-with-q - ; - disable - . Allow-repeat-ip - IP , : - allow-repeat-ip - ; - disallow-repeat-ip - ( find-me ) : - previous-continue - ; - previous-stop -	disable
gate	TR, SUB (info)	(AMQP). ,	-
group	TR,SUB (info)	, SIP-	-
history_info	TR	History-Info INVITE	false
host	TR	IP- .	-
host-to-invite	SUB	registered-domain - INVITE To , . sip-domain - INVITE To SIP-	registered-domain
inc_authentication	TR	. : false - ; true - .	false
inc_authentication_type	TR	: user - 401, proxy - 407	user
inc_authentication_login	TR	. , - .	-

inc_authentication_password	TR	. , - .	-
internal iface name	SUB (info)		-
inc-login	TR		LOGIN
inc-password	TR		PASSWORD
ip-set	TR	( ). ip-set : cluster/adapter/sip1/sip/network/info	-
isActive	TR, SUB (info)	. : - true - ( ); - false - ( ). .	false
isup_r_ccl_send	TR	CCL ISUP-R. ( ) ( ) SIP/BYE SIP/INFO ISUP-R/CCL. ISUP (. mode). : - true - CCL ; - false - CCL .	false
isup-cause-location	TR, SUB	. , , ISUP/REL. ITU Q.850: . Figure 4/Q.850 – Reference configuration for location field generation . Table 4/Q.850 – The setting of location fields by events at nodes of the reference configuration and values expected to be received by user A. ( ): - user (U); - local_private_network (LPN); - local_network (LN); - transit_network (TN); - international_network (INTL); - remote_network (RLN); - remote_private_network (RPN); ( ): - INTL_(International_network); - LN__(Public_network_serving_the_local_user; - LPN__(Private_network_serving_the_local_user; - RLN__(Public_network_serving_the_remote_user; - RPN__(Private_network_serving_the_remote_user; - TN__(Transit_network); - U__(User). [TAB] ( " "). , LPN LPN__(Private_network_serving_the_local) .	local_network
last via	SUB (info)		-
listen_port	TR	SIP- SSW. , , .	-
local-end-point	TR	ECSS. : ip-set, listen-port, node-control. Node-control IP-. .	
maddr	TR	. : - ; - "none" ( - ).	none
mode	TR	ISUP. : sip-proxy - SIP (,RFC 3261 ); sip-t - SIP-T (RFC 3372); sip-i - SIP-I (ITU Q.1912-5; sip-q - QSIG	-
my_from	TR, SUB	. , "From" ( ) . . : - ; - default - , sip.transport/my_sip_address	default
nat_traversal	TR, SUB	. , . ( ). : - true - ; - false - .	false
options_control	TR, SUB	( ) "SIP/OPTIONS". , () alarm (. alarm_enable). . ( ) ( ) . , - () , "OPTIONS" , , 100rel ( , timers (session-expire RFC 4028).	0
original-cdpn-to	TR	CDPN Original CDPN To Diversion	false
out_login (proxy_out_login)	TR, SUB	. , ( ) .	-

out_password (proxy_out_password)	TR, SUB	. , () .	-
published presence	SUB (info)	SIP- (PUBLISH, Event: presence). presence	-
port	TR		-
qop-authentication (aut_qop)	SUB	QOP- ( ). : - true - ; - false - .	false
realUri	TR	. : {MODE,ISUP,DEST_HOST,DEST_PORT} - MODE - : sipproxy, sipt ( ISUP RFC 3372), sipi ( ISUP ITU Q.1912-5); - ISUP - ISUP: sub ( ), far ( ); - DEST_HOST - (IP ); - DEST_PORT - ( , , 5060).	-
referred-by-as-cgpn	TR, SUB	user Referred-By Cgpn SetupInd	false
register-expire-min	SUB	.	90
register-expire-max	SUB	.	3600
registrator	SUB (info)	, . - SIP.	-
regs_time	SUB (info)	. - SIP.	-
rel_to_cancel	TR	ISUP/REL "SIP/CANCEL". ISUP (. mode). , SSW, : - false - "CANCEL" ISUP/REL; - true - "CANCEL" ISUP/REL.	false
remote-client	TR	. (. SIP) - coral - CORAL - default -	default
remote-ctr-indication	TR, SUB	CTR: - rpi - REMOTE-PARTY-ID - pai - P-ASSERTED-IDENTITY - both - REMOTE-PARTY-ID P-ASSERTED-IDENTITY - none	rpi
remote-end-point	TR	. : ip-/	
remote-network-type	TR	. , , ISUP/REL. : - private; - local; - transit; - international	local
req100rel	TR	. "PRACK" 1 (RFC 3262). : - true - 1 "Require: 100rel"; - false - ; - supported - . ; - unsupported - . ; " " . (, "OPTIONS") , "true".	false
rfc-4028-control	TR, SUB	RFC 4028, , . "true" "false". : - true - . timer; - false - ; - force - . timer .	true
route-by-via	TR	. Request-URI Contact, . : - true; - false.	false
routing.context	TR, SUB		-

sip-modifications	TR, SUB	SIP . : sip-modifications ignore headers = [HEADER1, HEADER2, ...] - ; sip-modifications set PARAMETERS SET header = HEADER, key1 = val1, key2 = val2, ... - ; sip-modifications clean HEADER - . : add_new = TEXT - TEXT; add_start = STRING - ; add_end = STRING - ; delete = STRING - ; insert = STRING - .	-
sip-transit	TR, SUB	SIP/SIP RURI : sip-transit set PARAMETERS SET key1 = val1, key2 = val2, ... : headers = [HEADER1, HEADER2, ...] - SIP . request_line = disable - RURI request_line = domain_name - RURI , ( ) request_line = domain_name_force - RURI , , request_line = ruri - RURI , ( ) request_line = ruri_force - RURI , RURI clean -	-
sip_transport	TR	. : - system - , - udp-only, tcp-only, udp-prefer, tcp-prefer	system
sip-domain	TR, SUB	SIP- "Request URI", From, To . : - ; - "undefined".	-
supported	SUB (info)	(Supported), SIP-	-
support_encoding	SUB (info)	Display Name : - utf-8 - UTF-8 - latin1 - latin1 - cp1251 - cp1251	-
symbol_hash_as_is	TR, SUB	'#' Hex- (%23). : - false - hex- (%23); - true - '#'.	false
trunk	TR	(). SIP- , , .. .	-
trusted-ip	SUB	IP-, REGISTER INVITE, IP- , .	none
tel-uri-in-diversion	TR, SUB	"tel:" "sip:" Diversion	false
uptime	TR (info)	( ,	-
user agent	SUB (info)	SIP- (User-Agent)	-
use-global-callref	TR	GLOBAL CALL REF ISUP-ETSI. -7	false
user-name	TR	. ( none),	none

SIP:

[/adapter/<CLUSTER>/properties](#)

SIP-:

[domain/<DOMAIN>/sip/properties](#)

[domain/<DOMAIN>/sip/properties\\_sys](#)

## authentication

LDAP- .

:

[/domain/<DOMAIN>/sip/user/authentication](#)

:

authentication <GROUP> <USER\_INTERFACE>

:

```
<GROUP>- . "" ;
<USER_INTERFACE>- , :_@_SIP_. "" .
```

```
:
```

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/authentication loc.gr 240502@biysk.local
1 make users list ...
[*****] 36mks
check authentication info for 1 interfaces ...
[*****] 7ms
Executed on the sip1@ecss1

      User          Use QOP  Trusted IP   LDAP account

240502@biysk.local  true    -           no_information

elements: 1

[exec at: 18.03.2019 22:38:53, exec time: 118ms, nodes: sip1@ecss1]
```

## call-list

```
.
```

```
:
```

```
/domain/<DOMAIN>/sip/user/call-list
```

```
:
```

```
call-list [<GROUP>] [<INTERFACE>] [<OPTIONS>]
```

```
:
```

```
<GROUP>- . "" ;<INTERFACE>- ;
<OPTIONS>- - :
```

- --complete - , ;
- --more T [sec|min|hour] - , ;
- --less T [sec|min|hour] - , .

```
:
```

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/call-list --more 2 min
Executed on the sip1@ecss1
```

Interface	URI	Direction	State	Time
		Additional info		
240244@biysk.local	sip[240244]	-> ssw[240470]	connected	Start: Mon, 18 Mar 2019 13:49:54
sip1@ecss1, <0.29555.0>				Node:
				Last activity: Mon, 18 Mar 2019 13:52:48
3833844896				CallRef:
"8f84-46ae"				Call-ID:
SessionID: <<"8cfadbfb0e6c517c">>				
				Session
handler: {amqp_io_2,<0.29555.0>}				
240470@biysk.local	sip[240470]	<- ssw[240244]	connected	Start: Mon, 18 Mar 2019 13:49:54
sip1@ecss1, <0.29557.0>				Node:
				Last activity: Mon, 18 Mar 2019 13:52:48
3833844896				CallRef:
"BA:8cfadbfb0e6c517c:8cfadc03a5511282"				Call-ID:
SessionID: <<"BA:8cfadbfb0e6c517c:8cfadc03a5511282">>				
				Session
handler: {amqp_io_7,<0.29557.0>}				
2 sessions				
[exec at: 18.03.2019 13:52:49, exec time: 75ms, nodes: sip1@ecss1]				

## change-group

```
.
:
/domain/<DOMAIN>/sip/user/change-group
:
change-group <GROUP> <USER INTERFACE> <OTHER GROUP>
:
<GROUP>- ;
<USER INTERFACE>- .
<OTHER GROUP>- , . .
:
```

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/change-group loc.gr 240800@biysk.local 800.gr
[change-group] Group 800.gr isn't exists
continue: yes/no ?> yes
1 make users list ...
[*****] 92mks
1 interfaces apply ...
[*****] 1ms
Executed on the sip1@ecss2
ok

[exec at: 19.03.2019 10:42:30, exec time: 4s 816ms, nodes: sip1@ecss2]
```

```

admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/change-group loc.gr 24081{0-9}@biysk.local 800.gr
10 make users list ...
[*****] 127mks
5 interfaces apply ...
[*****] 12ms
Executed on the sip1@ecss1
ok

[exec at: 19.03.2019 10:43:00, exec time: 509ms, nodes: sip1@ecss1]

```

## check

```

.
:

/domain/<DOMAIN>/sip/user/check

:

check <GROUP> <USER_INTERFACE> [timerF = <TIMEOUT>]

:

<GROUP> - ;
<USER_INTERFACE> - , :_@_SIP_. "" ,:

```

```

./user/check test.subscribers *
./user/check test.subscribers 10000*
./user/check test.subscribers 100000@eltex.local timerF = 5000

```

```

<TIMEOUT>-- , , . 5000 .

```

```

:

```



```

admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/check loc.gr 24046*
324 make users list ...
[*****] 803mks
Executed on the sip1@ecss2
Intermediate (incomplete) result:
check for user 240462@biysk.local by sip1@ecss2 (node control: false)
...
Executed on the sip1@ecss2
Intermediate (incomplete) result:
check for user 240464@biysk.local by sip1@ecss2 (node control: false)
...
Executed on the sip1@ecss2
Intermediate (incomplete) result:
check for user 240466@biysk.local by sip1@ecss2 (node control: false)
...
Executed on the sip1@ecss2
Intermediate (incomplete) result:
check for user 240469@biysk.local by sip1@ecss2 (node control: false)
...
Executed on the sip1@ecss2

```

Group	User	Accessible	Check info
loc.gr	240462@biysk.local	true	OPTIONS to <sip:240462@192.168.2.6>: 200 OK, cseq: 875088 OPTIONS. Request by node: sip1@ecss2
loc.gr	240464@biysk.local	true	OPTIONS to <sip:240464@192.168.2.200>: 200 OK, cseq: 979690 OPTIONS. Request by node: sip1@ecss2
loc.gr	240465@biysk.local	false	User isn't registered now
loc.gr	240466@biysk.local	true	OPTIONS to <sip:240466@192.168.2.6>: 200 OK, cseq: 7954 OPTIONS. Request by node: sip1@ecss2
loc.gr	240467@biysk.local	false	User isn't registered now
loc.gr	240469@biysk.local	true	OPTIONS to <sip:240469@192.168.2.6>: 200 OK, cseq: 118367 OPTIONS. Request by node: sip1@ecss2

```

[exec at: 19.03.2019 10:47:39, exec time: 451ms, nodes: sip1@ecss2]

```

## clean

```

.
:
/domain/<DOMAIN>/sip/user/clean
:
clean <GROUP> <USER_INTERFACE> <PARAMETER> [--force]
:
<GROUP> - ;
<USER_INTERFACE> - , : _@_SIP_ . "" . :

```

```

./user/clean test.subscribers * trusted-ip
./user/clean test.subscribers 10000*
./user/clean test.subscribers 100000@eltex.local
./user/clean test.subscribers 100{000-399}@eltex.local

```

```

<PARAMETER> - , , .
[--force] - ( ).

```

:

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/clean 800.gr 240813@biysk.local register-expire-max
[clean] Set parameters to default value
continue: yes/no ?> yes
1 make users list ...
[*****] 46mks
clean to 1 interfaces ...
[*****] 6ms
Executed on the sip1@ecss2
complete

[exec at: 19.03.2019 11:39:56, exec time: 6s 582ms, nodes: sip1@ecss2]
```

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/clean loc.gr 24065* qop-authentication --force
324 make users list ...
[*****] 379mks
clean to 10 interfaces ...
[*****] 51ms
Executed on the sip1@ecss2
complete

[exec at: 19.03.2019 11:56:23, exec time: 378ms, nodes: sip1@ecss2]
```

## declare

```
( ).
.
() (, ).
```

:

/domain/<DOMAIN>/sip/user/declare

:

declare <ROUTING\_CONTEXT> <GROUP> <USER\_INTERFACE> <ALIAS> <QOP\_AUTH> <LOGIN> <PASSWORD>

:

```
<ROUTING_CONTEXT> - ;
<GROUP> - ( );
<USER_NUMBER> - SIP-.
```



: Prefix\_Symbols{Start\_Digits-Stop\_Digits}.

```
<ALIAS> - , "none" sip- ; "alias-as-user"- SIP-
<QOP_AUTH> - QOP- ( ). :
```

- no\_qop\_authentication - QOP-;
- qop\_authentication - QOP-.

```
<LOGIN> - . . / , LDAP-:
```

- login\_as\_number - ;
- none - ;
- common\_login <LOGIN> - <LOGIN> .

```
<PASSWORD> - . , <LOGIN> "none".
```

- auto\_generation - . "user info" "user authentication";
- () - .

:

240815 :

```

admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/declare ctx_from_smgreg 800.gr 240815 alias-as-user
no_qop_authentication none
Executed on the sip1@ecss1
Intermediate (incomplete) result:
Declaration for range: 240815@biysk.local..240815@biysk.local (1)
...
1 interfaces check for existing ...
[*****] 112mks
1 users interfaces declaration ...
[*****] 21ms
1 users aliases declaration ...
[*****] 46ms
7 interfaces recall to base
[*****] 10ms
Executed on the sip1@ecss1

declared 1 subscribers

[exec at: 19.03.2019 13:22:47, exec time: 242ms, nodes: sip1@ecss1]

```

10 ,qop, :

```

admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/declare ctx_from_local 85.gr 24084{0-9} alias-as-user
qop_authentication common_login test48-1 auto-generation
Executed on the sip1@ecss2
Intermediate (incomplete) result:
Declaration for range: 240840@biysk.local..240849@biysk.local (10)
...
10 interfaces check for existing ...
[*****] 213mks
10 users interfaces declaration ...
[*****] 165ms
10 users aliases declaration ...
[*****] 33ms
10 interfaces recall to base
[*****] 16ms
Executed on the sip1@ecss2

declared 10 subscribers

[exec at: 19.03.2019 13:18:38, exec time: 369ms, nodes: sip1@ecss2]

```

## errors

```

.
:
/domain/<DOMAIN>/sip/user/errors
:
errors <PARAMETER> [VALUE]
:
<PARAMETER> - , :
    • clear-table - ;
    • set-limit <LIMIT> - (<LIMIT>), ;
    • uri <URI> - URI;
    • all - ;
    • known - ;
    • unknown - ;
<VALUE> - .

```

:

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/errors set-limit 5
Executed on the sip1@ecss2
[{old,1000},{new,5}]
```

```
[exec at: 19.03.2019 13:24:43, exec time: 113ms, nodes: sip1@ecss2]
```

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/errors
Executed on the sip1@ecss1
```

Uri	Last event time	Event
240544@biysk.local	2019-03-19 07:38:37	Wrong authentication (first: 2019-03-19 07:38:37, 2/2 time(s))
240550@biysk.local	2019-03-19 07:38:37	Wrong authentication (first: 2019-03-19 07:38:37, 0/2 time(s))
240592@biysk.local	2019-03-19 07:38:37	Wrong authentication (first: 2019-03-19 07:38:37, 2/2 time(s))
240602@biysk.local	2019-03-19 07:38:37	Wrong authentication (first: 2019-03-19 07:38:37, 0/2 time(s))
240635@biysk.local	2019-03-19 07:38:37	Wrong authentication (first: 2019-03-19 07:38:37, 0/2 time(s))

```
[exec at: 19.03.2019 13:26:06, exec time: 92ms, nodes: sip1@ecss1]
```

## info

( ).

:

/domain/<DOMAIN>/sip/user/info

:

info <GROUP> [<USER\_INTERFACE>] [<OPTIONS>]

:

<GROUP> - . "" ; <USER\_INTERFACE> - , : \_@\_SIP\_ . "" ;  
<OPTIONS>:

- --ldap-account - LDAP- ( ). - ;
- --complete - , , ( ), ( DS ).

:

:

```

admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/info loc.gr 240101@biysk.local
1 make users list ...
[*****] 41mks
1 users information read ...
[*****] 9ms
Executed on the sip1@ecss1

```

User	240101@biysk.local
internal iface name	708c5e7b5dfb8675
isActive	true
group	loc.gr
authentication	240101:ext_101_SSW (ds) use qop: true
contacts definition	q: 1.0; ip-set: ipset1; on port: 5060; sip registered by node: sip1@ecss1 sip transport: udp user-agent: Yealink SIP-T28P 2.73.14.3 <sip:240101@192.168.2.6:5060;transport=UDP;line=20457>;expires=620
declared by	admin at 15.12.2018 22:50:09
alarm_enable	false
aliases activities	240101:true
allow	INVITE, INFO, PRACK, ACK, BYE, CANCEL, OPTIONS, NOTIFY, SUBSCRIBE, REFER, UPDATE , MESSAGE
allow events	refer, talk, hold
auto-answer-version	default (Alert-Info: Auto Answer)
category_to_sip	default
client-profile	none
compact-form	default
digest	true
display-name-encoding	default
dtmf-duration	100
dtmf-relay	false
fork-mode	all-contacts, allow repeated IP: true
last via	SIP/2.0/UDP 192.168.1.201:5062;received=194.150.142.251 SIP/2.0/UDP 192.168.2.6:5060;received=192.168.2.6;rport=5060
my_from	biysk.local
nat_traversal	false
options_control	disable
original-cdpn-to	true
published presence	none
referred-by-as-cgpn	false
register-expire-max	3600
register-expire-min	90
registrator	node: sip1@ecss2 port: udp 192.168.2.62:5060
regs_time	17.03.2019 16:11:02
remote-ctr-indication	rpi
req100rel	false
rfc-4028-control	force
routing.context	ctx_from_local
sip-domain	biysk.local
sip-modifications	[]
supported	[req100rel]
symbol_hash_as_is	false
sip-transit	[]
trusted-ip	unassigned
user agent	Yealink SIP-T28P 2.73.14.3

```

[exec at: 19.03.2019 09:08:50, exec time: 100ms, nodes: sip1@ecss1]

```

sip-:

```

admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/info
330 users check for active ...
[*****] 25ms
Executed on the sip1@ecss2

Group      Dynamic      Parameters

loc.gr  false      'number of users' = 330
              'number of registered users' = 201
              gate = {gate_amqp,<<"acp.adapter.init.ex">>,<<"acp.sip.sip1.ipset1.init.rk">>}
              owner = "sip1"

[exec at: 19.03.2019 10:20:19, exec time: 298ms, nodes: sip1@ecss2]

```

:

```

admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/info loc.gr 24046{4-6}@biysk.local
3 make users list ...
[*****] 69mks
3 users information read ...
[*****] 15ms
Executed on the sip1@ecss2

      User      Number  Is active on DS  Group      Login
Registration      Extended information

240464@biysk.local  240464  true            loc.gr  240464:zoakoShA (ds)  q: 1.0; ip-set: ipset1; on port:
5060; sip                                internal iface name: 708c5bf76388b92e
                                         registred by node:
sip1@ecss1                                sip domain: biysk.local
                                         sip transport: system
(udp_only)                                user-agent: TAU-2M.IP/2.0.0.229 SN
/VI39005419 sofia-sip/1.12.10
                                         <sip:240464@192.168.2.200:5064>;
expires=1519

240466@biysk.local  240466  true            loc.gr  240466:extF466 (ds)  q: 1.0; ip-set: ipset1; on port:
5060; sip                                internal iface name: 708c5eea9833646d
                                         registred by node:
sip1@ecss1                                sip domain: biysk.local
                                         sip transport:
udp                                         user-agent: VP-12/1.2.1.454 SN
/VI51000844 sofia-sip/1.12.10
                                         <sip:240466@192.168.2.6:5060>;
transport=UDP;line=29316>;expires=759

240465@biysk.local  402      false            loc.gr  240465:uica4oeN (ds)  Contacts list is
empty                                internal iface name: 708c5c01bd7b9764
                                         sip domain: biysk.local
                                         last time:
                                         2019-03-19 07:38:27

elements: 3

[exec at: 19.03.2019 10:27:00, exec time: 125ms, nodes: sip1@ecss2]

```

:

```

admin@dsl@ecss1:/$ domain/biysk.local/sip/user/info loc.gr 240244@biysk.local
1 make users list ...
[*****] 39mks
1 users information read ...
[*****] 7ms
Executed on the sip1@ecss2

      User                                     240244@biysk.local

internal iface name  06147ccfe208631d
isActive            true
group               loc.gr
authentication       240244:ZexeiHuP (ds) use qop: true
contacts definition  q: 1.0; ip-set: ipset1; on port: 5060; sip
                    registered by node: sip1@ecss1
                    sip transport: udp
                    user-agent: Yealink SIP-T28P 2.73.14.3
                    <sip:240244@192.168.2.6:5060;transport=UDP;line=28063>;expires=769
declared by         admin at 29.04.2019 11:13:50

alarm_enable        false
aliases activities  240244:true
allow               INVITE, INFO, PRACK, ACK, BYE, CANCEL, OPTIONS, NOTIFY, SUBSCRIBE, REFER, UPDATE
                    , MESSAGE
allow events        refer, talk, hold
auto-answer-version default (Alert-Info: Auto Answer)
category_to_sip     default
client-profile       Yealink
compact-form         default
digest              true
display-name-encodingdefault
dtmf-duration       100
dtmf-relay          false
fork-mode           all-contacts, allow repeated IP: true
last via            SIP/2.0/UDP 192.168.1.201:5066;received=194.150.142.251
                    SIP/2.0/UDP 192.168.2.6:5060;received=192.168.2.6;rport=5060
my_from             biysk.local
nat_traversal       false
options_control      disable
original-cdpn-to    true
published presence  none
referred-by-as-cgpn false
register-expire-max  3600
register-expire-min  90
host-to-invite      registered-domain
registrator         node: sip1@ecss1 port: udp 192.168.2.61:5060
regs_time           29.04.2019 11:13:57
remote-ctr-indicationrpi
req100rel           false
rfc-4028-control    force
routing.context      ctx_from_local
sip-domain           biysk.local
sip-modifications    []
supported            [req100rel]
symbol_hash_as_is    false
sip-transit          []
trusted-ip           unassigned
user agent           Yealink SIP-T28P 2.73.14.3

[exec at: 15.05.2019 12:53:05, exec time: 93ms, nodes: sip1@ecss2]

```

list

.

:

/domain/<DOMAIN>/sip/user/list

:

list <KEY> | <GROUP> <KEY> | <GROUP> <KEY> <IFACE\_TEMPLATE>

:

<KEY> - , :

- --active - ;
- --inactive - ;
- --forbidden - ;

<GROUP> - . "" ;

<IFACE\_TEMPLATE> - . "" .

:

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/list loc.gr --active 24047*
324 make users list ...
[*****] 637mks
5 users check for active ...
[*****] 477mks
Executed on the sip1@ecss2
```

group	user	current contact(s)
loc.gr240470@biysk.local	<sip:240470@192.168.2.6:5060;transport=UDP;line=1311>	expires=1748
loc.gr240471@biysk.local	<sip:240471@192.168.2.6:5060;transport=UDP;line=8035>	expires=882
loc.gr240473@biysk.local	<sip:240473@192.168.2.6:5060;transport=UDP;line=62384>	expires=1286
loc.gr240474@biysk.local	<sip:240474@192.168.2.6:5060;transport=UDP;line=25653>	expires=1072
loc.gr240475@biysk.local	<sip:240475@192.168.2.6:5060;transport=UDP;line=11697>	expires=710

elements: 5

[exec at: 19.03.2019 13:43:09, exec time: 291ms, nodes: sip1@ecss2]

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/list --forbidden
Executed on the sip1@ecss1
```

request by transport	time of the last trying	info
240544@biysk.local	2019-03-19 07:38:37	Wrong authentication (first: 2019-03-19 07:38:37, 2/2 time(s))
240550@biysk.local	2019-03-19 07:38:37	Wrong authentication (first: 2019-03-19 07:38:37, 0/2 time(s))
240592@biysk.local	2019-03-19 07:38:37	Wrong authentication (first: 2019-03-19 07:38:37, 2/2 time(s))
240602@biysk.local	2019-03-19 07:38:37	Wrong authentication (first: 2019-03-19 07:38:37, 0/2 time(s))
240635@biysk.local	2019-03-19 07:38:37	Wrong authentication (first: 2019-03-19 07:38:37, 0/2 time(s))

elements: 5

[exec at: 19.03.2019 13:40:58, exec time: 73ms, nodes: sip1@ecss1]

## registered

, , .

:

/domain/<DOMAIN>/sip/user/registered

:

registered [<GROUP> [<USER\_INTERFACE>]]



```
:
<GROUP>- . . "" ;
<USER_INTERFACE>- , : @_SIP_ . "" .
:
```

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/registered loc.gr 24046*
324 make users list ...
[*****] 780mks
6 users information read ...
[*****] 1ms
Executed on the sip1@ecss2

Interface      Number  Dynamic      Contact      Registration
info

240462@biysk.local  240462  false  q: 1.0; ip-set: ipset1; on port: 5060; sip registered
on:
node: sip1@ecss1 port: udp
192.168.2.61:
registred by node: sip1@ecss1
5060
sip transport: udp
last via
list:
user-agent: Brcm-Callctrl/v1.10.3 M5T SIP SIP/2.0/UDP 192.168.2.6:5060;
received=19
Stack/4.1.2.2
2.168.2.6;
rport=5060
<sip:240462@192.168.2.6:5060;transport=UD SIP/2.0/UDP 10.28.32.131;
received=10.28.
P;line=20445>;expires=69
32.
131
last user
agent:
Brcm-Callctrl/v1.10.3 M5T
SIP Stack/4.1.
2.
2

240464@biysk.local  240464  false  q: 1.0; ip-set: ipset1; on port: 5060; sip registered
on:
node: sip1@ecss1 port: udp
192.168.2.61:
registred by node: sip1@ecss1
5060
sip transport: system (udp_only)
last via
list:
user-agent: TAU-2M.IP/2.0.0.229 SN/VI3900 SIP/2.0/UDP 192.168.2.200:
5064;received=
5419 sofia-sip/1.12.10
192.168.2.200;
rport=5064
<sip:240464@192.168.2.200:5064>;expires=1 last user
agent:
336
TAU-2M.IP/2.0.0.229 SN
/VI39005419 sofia-
sip/1.
12.10

240466@biysk.local  240466  false  q: 1.0; ip-set: ipset1; on port: 5060; sip registered
on:
node: sip1@ecss1 port: udp
192.168.2.61:
registred by node: sip1@ecss1
5060
sip transport: udp
last via
list:
user-agent: VP-12/1.2.1.454 SN/VI51000844 SIP/2.0/UDP 192.168.2.6:5060;
```

```

received=19
                                sofia-sip/1.12.10                2.168.2.6;
rport=5060
                                <sip:240466@192.168.2.6:5060;transport=UD  SIP/2.0/UDP 10.25.1.5:5041;
received=10.2
                                P;line=29316>;expires=894          5.1.5;
rport=5041
                                last user
agent:
                                VP-12/1.2.1.454 SN
/VI51000844 sofia-sip/
                                1.
12.10

240469@biysk.local 240469 false q: 1.0; ip-set: ipset1; on port: 5060; sip registered
on:
                                node: sip1@ecss1 port: udp
192.168.2.61:
                                registred by node: sip1@ecss1
5060
                                sip transport: udp                last via
list:
                                user-agent: Brcm-Callctrl/v1.10.3 M5T SIP SIP/2.0/UDP 192.168.2.6:5060;
received=19
                                Stack/4.1.2.2                      2.168.2.6;
rport=5060
                                <sip:240469@192.168.2.6:5060;transport=UD  SIP/2.0/UDP 10.28.32.131;
received=10.28.
                                P;line=58471>;expires=69          32.
131
                                last user
agent:
                                Brcm-Callctrl/v1.10.3 M5T
SIP Stack/4.1.
                                2.
2

elements: 4

[exec at: 19.03.2019 14:03:53, exec time: 392ms, nodes: sip1@ecss2]

```

## remove

```

( ).
.
URI, URI( ), .
() LDAP-.

:

/domain/<DOMAIN>/sip/user/remove

:

remove <GROUP> <USER_INTERFACE> [--force]

:

<GROUP>- . . ""* ;
<USER_INTERFACE>- , : _@_SIP_;
```



: Prefix\_Symbols{Start\_Digits-Stop\_Digits}.

```

[--force]- ( ).
```

```

:
```

:

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/remove 800.gr 240815@biysk.local
[remove] Remove interfaces. Undo will be impossible
continue: yes/no ?> yes
1 make users list ...
[*****] 33mks
1 interfaces check for existing ...
[*****] 18mks
1 users leave ...
[*****] 12ms
1 interfaces remove from DS ...
[*****] 7ms
Executed on the sip1@ecss1
Complete

[exec at: 19.03.2019 14:16:57, exec time: 5s 499ms, nodes: sip1@ecss1]
```

:

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/remove loc.gr 24079{5-9}@biysk.local
[remove] Remove interfaces. Undo will be impossible
continue: yes/no ?> yes
5 make users list ...
[*****] 63mks
4 interfaces check for existing ...
[*****] 39mks
4 users leave ...
[*****] 66ms
4 interfaces remove from DS ...
[*****] 11ms
Executed on the sip1@ecss2
Complete

[exec at: 19.03.2019 14:18:39, exec time: 2s 660ms, nodes: sip1@ecss2]
```

:

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/remove 85.gr *
[remove] Remove interfaces. Undo will be impossible
continue: yes/no ?> yes
10 interfaces check for existing ...
[*****] 48mks
10 users leave ...
[*****] 165ms
10 interfaces remove from DS ...
[*****] 22ms
Executed on the sip1@ecss1
Intermediate (incomplete) result:
Group 85.gr has been removed (all interfaces in this group was removed)
...
Executed on the sip1@ecss1
Complete

[exec at: 19.03.2019 14:19:35, exec time: 2s 543ms, nodes: sip1@ecss1]
```

## set

.

:

/domain/<DOMAIN>/sip/user/set

```

:
set <GROUP_NAME> <SIP_URI> <PARAMETER> <VALUE>

:
<GROUP_NAME> - , ;
<SIP_URI> - SIP URI , : username@host, username - ; host - SIP-;

```



```

{a-b} {a,b}, a,b - .
. 1111@eltex.local, 1112@eltex.local, 1113@eltex.local 111{1-3}@eltex.local 111{1,2,3}@eltex.local {1111,1112,1113}@eltex.local.

```

```

<PARAMETER> - , ;
<VALUE> - , .

```

```

:

admin@dsl@ecss1:/$ domain/biysk.local/sip/user/set loc.gr 240101@biysk.local rfc-4028-control false
l make users list ...
[*****] 210mks
set for l users ...
[*****] 6ms
Executed on the sip1@ecss1

[exec at: 20.03.2019 23:46:52, exec time: 100ms, nodes: sip1@ecss1]

```

```

():
:
• auto - ( User-Agent);
• none - ( );
• coral - Coral;
• PROFILE_NAMES - , .

```

```

admin@dsl@ecss1:/$ domain/biysk.local/sip/user/set loc.gr 240244@biysk.local client-profile
GrandStream Yealink auto coral none

admin@dsl@ecss1:/$ domain/biysk.local/sip/user/set loc.gr 240244@biysk.local client-profile Yealink
l make users list ...
[*****] 95mks
set for l users ...
[*****] 5ms
Executed on the sip1@ecss1

[exec at: 15.05.2019 12:44:10, exec time: 119ms, nodes: sip1@ecss1]

```

## stop-registration

```

.
URI, .
,, ( ).

:
/domain/<DOMAIN>/sip/user/stop-registration

:
stop-registration <GROUP> <USER_INTERFACE> [--force]

:
<GROUP> - . "" ;
<USER_INTERFACE> - ;

[--force] - .

```

```

:
admin@[dsl@ecss1]:/$ domain/biysk.local/sip/user/stop-registration loc.gr 240464@biysk.local --force
1 make users list ...
[*****] 35mks
stop registration to 1 interfaces ...
[*****] 12ms
set 1 interfaces to inactive state on DS ...
[*****] 22ms
Executed on the sip1@ecss2
1 users are de-registered (directly expired): 708c5bf76388b92e (240464@biysk.local) ... 708c5bf76388b92e
(240464@biysk.local)

[exec at: 20.03.2019 23:40:07, exec time: 155ms, nodes: sip1@ecss2]

```

## subscription-list

```

.
:
/domain/<DOMAIN>/sip/user/subscription-list
:
subscription-list
subscription-list where Column =|<|>|<|= Value
subscription-list where Column =|<|>|<|= Value order_by Column asc|desc
subscription-list order_by Column asc|desc
:
full - ;
order_by - ;
where - .
:

```

```

admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/subscription-list

#Type From To Subscriber Target Expired

1blf 240101240470240101@biysk.local240470@biysk.local11580
2blf 240101240464240101@biysk.local240464@biysk.local11578
3blf 240244240464240244@biysk.local240464@biysk.local1124
4blf 240244240474240244@biysk.local240474@biysk.local1124

[exec at: 23.03.2019 08:31:36, exec time: 412ms, nodes: sip1@ecss1]

```

## subscription-monitor

```

.
:
/domain/<DOMAIN>/sip/user/subscription-monitor
:
monitor event = <TypeService> <Address1> <Address2> ...

- Ctrl+C
:
<Address> - ;
<TypeService> - blf .

```

:

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/subscription-monitor event = blf 240475
240475      : seizure   : [Calling = home475:240475, Called = undefined:419145]
240475      : active    : [Calling = home475:240475, Called = undefined:419145]
240475      : release   : [Calling = home475:240475, Called = undefined:419145]
240475      : seizure   : [Calling = home475:240475, Called = undefined:240471]
240475      : alerting  : [Calling = home475:240475, Called = undefined:240471]
240475      : release   : [Calling = home475:240475, Called = undefined:240471]
Command has been canceled: interrupted
```

## subscription-stop

.

:

/domain/<DOMAIN>/sip/user/subscription-stop

:

subscription <GROUP> <USER\_INTERFACE>

:

```
<GROUP>- . ."" ;
<USER_INTERFACE>- .
```

:

```
admin@[mycelium1@ecss1]:/$ domain/biysk.local/sip/user/subscription-stop loc.gr 240101@biysk.local blf
[subscription-stop] record(s) will be removed
continue: yes/no ?> yes
Executed on the sip1@ecss1
5 subscriptions are stoped

[exec at: 23.03.2019 09:12:38, exec time: 3s 442ms, nodes: sip1@ecss1]
```