

Callmon Probe Installation

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Prerequisites: Running BeeSIP probe as VM in the network topology –
http://download.slachta.eu/beesip/callmon/1.3.2/owrt_chaos_calmer/x86/

Callmon probe configuration:

login: root

After first start, please set up password for *root*:

```
# passwd root
```

Network config:

```
# vi /etc/config/network - network interfaces config
```

Network configuration example:

```
config interface lan
    option ifname 'eth0'
    option proto 'static'
    option ipaddr '10.0.0.90'
    option netmask '255.255.254.0'
    option gateway '10.0.0.1'
    option dns '10.2.1.253'
```

Callmon probe config:

```
# vi /etc/config/callmon - callmon probe config
```

Callmon probe configuration example for testing Callmon server on 195.113.113.141:

```
config callmon global
option host '195.113.113.141'
# ip address of the zabbix server.
option port '10051'
# port of the listening zabbix server instance, default = 10051.
option zabbix_login 'Admin'
# username for zabbix web interface, used for rpc calls
option zabbix_password '<zabbixwebpassword>'
# password for zabbix web interface, used for rpc calls. Ask the
Callmon server admin.
option server_ssh_login_username 'callmon-probe'
# ssh username probe uses for logging into to the zabbix server,
used for scp to send the captured wav files.
option tree_base '/usr/share/callmon'
# base directory containing the callmon files.
option recorded_dir '/var/spool/asterisk/monitor/'
# asterisk monitor directory, this is where the recordings are
stored.
option probe_cron_user 'root'
# cron user that is used for performing regular calls among probes.
option asterisk_ami_user 'python'
# asterisk ami interface username, used to generate calls.
option asterisk_ami_secret 'python'
# asterisk ami interface password, used to generate calls.
option probe_com_interface_name 'eth0'
# interface of the probe, which is used for outgoing communications.
```

```
option rsa_key_path '/root/.ssh/id_rsa'  
# OpenSSH probe private key used by paramiko to connect to the  
zabbix server.  
option wav_archive '/usr/share/callmon/archive'  
# directory, where the probe stores the recorded files.  
option server_wav_dir '/opt/callmon_server/data_wavs'  
# directory on the zabbix server to where the recorded files are  
transferred for pesq analysis.  
option probe_template_name 'Probe'  
# the name of the host template on the zabbix server, which should  
be used for a new probe.
```

Generating a key pair for Callmon probe (temporary):

```
# ssh-keygen -t rsa -b 4096
```

id_rsa.pub public key from the probe must be sent to the Callmon server administrator. Copy the content of the id_rsa.pub and send it to him/her. Please, generate the private key without passphrase.

Inserting the public keys from server (temporary):

Public key from the server must be inserted on the probe to be able to connect on it. Ask Callmon server administrator for the content of the RSA public key and insert it into:

```
# vi /root/.ssh/authorized_keys
```

You can connect your probe to testing server, which is available on the IP 195.113.113.141. Please send your public key (id_rsa.pub) to filip@cesnet.cz and use the server public key:

```
ssh-rsa  
AAAAB3NzaC1yc2EAAAADAQABAAQDrODITtAK+Y2gp6wp/6ef8PYLrfVzdLgyoQMb8aqJsjbAKL0HS  
LBV2KdMwmWgc/YG0OKLMPuEdXOdu3HY0t+arkufHtgsCcDLDpTPkdMgBeOxpFlvb+r3dqxfz0DTTQ0  
X3hh3Slp1E3R9cudkfKfi5gtLgC7RiiRdZngFLO0JBvPofd9316oEmsSCH9s9tzSBPDCrHUpitANDdeHpJjCU  
PYjL0CYFxyS6/ZRfdZlv9oE7pEDp5itsPqOjBMDqSplyGnTb2kW29yLWgVwCyUMTKF0iPHhBHVreAwIBD  
9S45e++YtpjCAM4kG4BjCf0qz/kuaFSXHy51oxv6XACwCY2GED4IJurLZgbfVd/egtL/R8ZazS7UYCtsZXJw7  
xtQ+qImfws8kKZPGhMBBNgM/I5acRXwY5Fa+2JelWumpGmop/WONsAuUJkeJ4/Twm2oeEFniYeQXd0  
ZOL/DIbdFCvL5nMQCRLic1/1/MUVvYHMX3CUVI9jSITXZ3LAhlqUW5dD8BozXHd8HkICpl1Z66V3VC7nq  
PppPQvxWjEYTKwLatYJ8EfN2Cmrk9UJhKeGh1cwXTjSr9yr9fwZ089wUpLd8oR9KecWsLTBbyBUCmeHX  
rN0iNkh+RhoK+y/WoClyXya9FyNBBD6usobjVYGVgvjnDwG8fOvdSgc9hO8lDaJGw==
```

Start and initialization of the probe:

```
# callmonp -i
```