



OpenScape Office V3

Tutorial

SIP endpoint configuration – X-Lite client

Version 1.0

2012-02-21

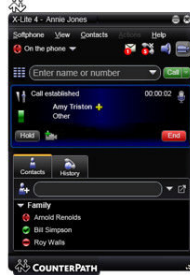
1 X-Lite client

1.1 X-lite SIP

X-Lite 3.0:



X-Lite 4.0:



For information see the Counterpath homepage:

<http://www.counterpath.com/x-lite.html>

Used Endpoint Software:

X-Lite Version 3.0 build 30942

X-Lite Version 4.0 build 58832

1.1.1 Basic Configuration

The following steps describes the configuration for the X-lite SIP Client

- Network & Registration
V3.0: Select SIP Account Setting to enter the relevant account parameter

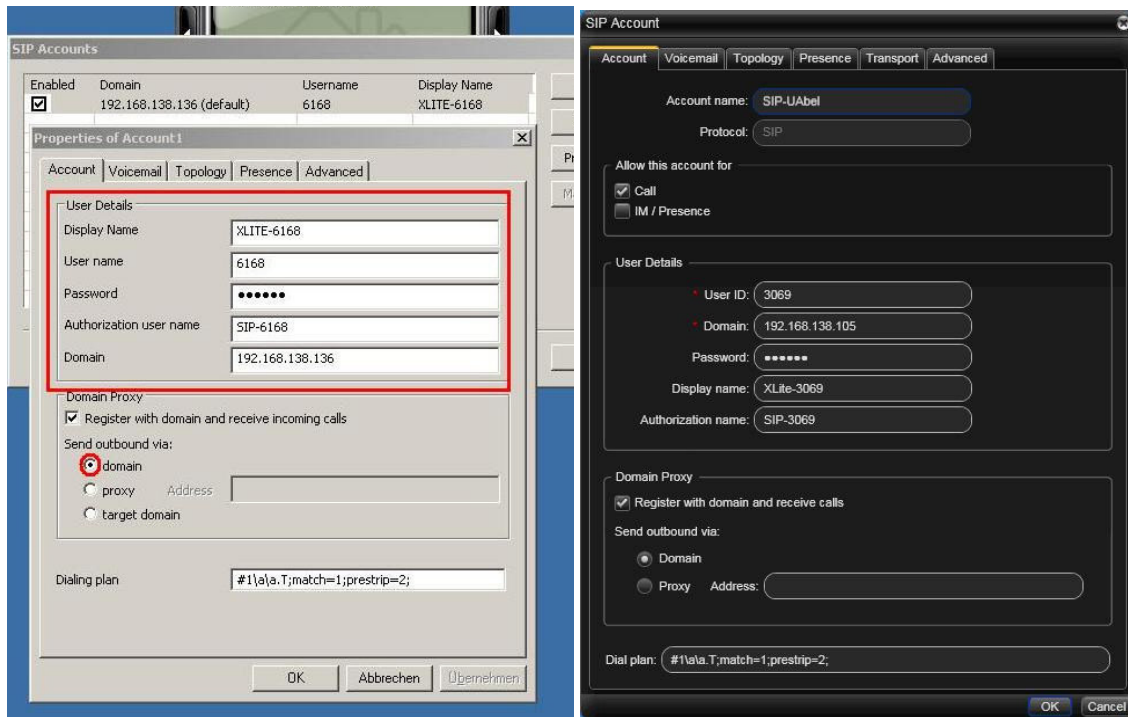


V4.0: From the X-Lite menu, choose Softphone > Account Settings. The SIP Account window appears. In the Account tab, complete the User Details area.

To register the X-lite Client enter the parameters as shown below

X-Lite V3:

X-Lite V4:



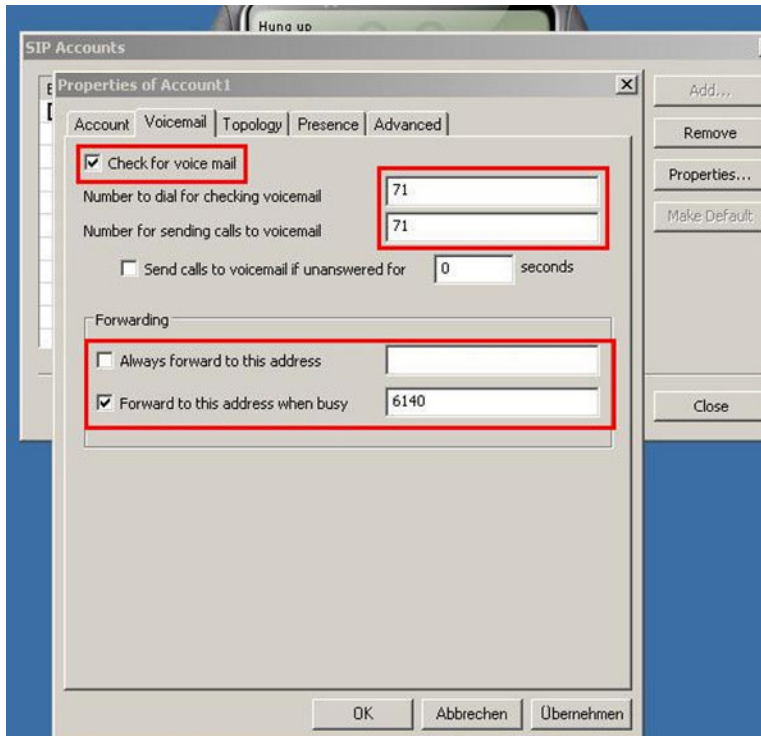
Phone Value	configured in OpenScape Office: Telephones / Subscribers-> IP Telephones -> Edit
Display Name	Optional, Phone name can only be seen in the network traces, OpenScape Office uses the name configured in system
User Name (V3) User ID (V4)	Call number
Password	Password
Authorization user name (V3) Authorization name (V4)	SIP User ID / Username
	configured in OpenScape Office:
Domain	IP-Address of OpenScape Office

1.1.2 Call Forwarding

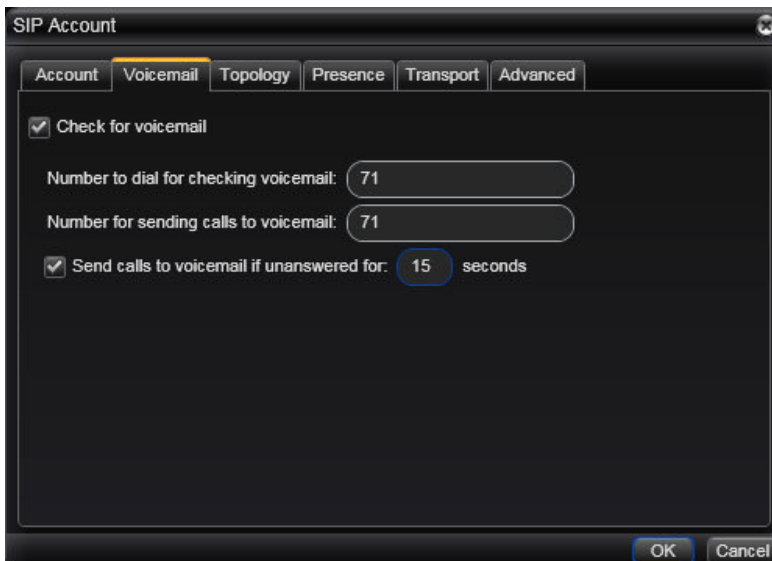
The V3.0 client offers

- CFB Forward to this address when busy
- CFNR Send calls to voicemail ...
- CFU Always forward to this address

Individual call forwarding targets can be configured CFU and CFB, CFNR is supported to Voicemail only. Forwarding targets are configured with the call number. When the entries are saved they are displayed as the SIP-URI (e.g. sip:6140@192.168.138.136)



CFU and CFB is NOT available in the (free) V4.0 client



1.1.3 Message Waiting

To activate the MWI service with subscription enable the voicemail support and set the voicemail call number as shown in 1.1.2.

A waiting message is signaled with a special icon  on the display of the X-lite client.

1.1.4 Distinctive Ringing

Not supported by X-lite Client

1.1.5 Known limitations and restrictions

One Way payload

The X-Lite Client has a "special" behaviour when negotiatin RTP capabilities.

Offer from HiPath: (PCMA with highest priority)

```
m=audio 29100 RTP/AVP 8 0 98 99
```

Answer from XLite: (PCMA with highest priority too)

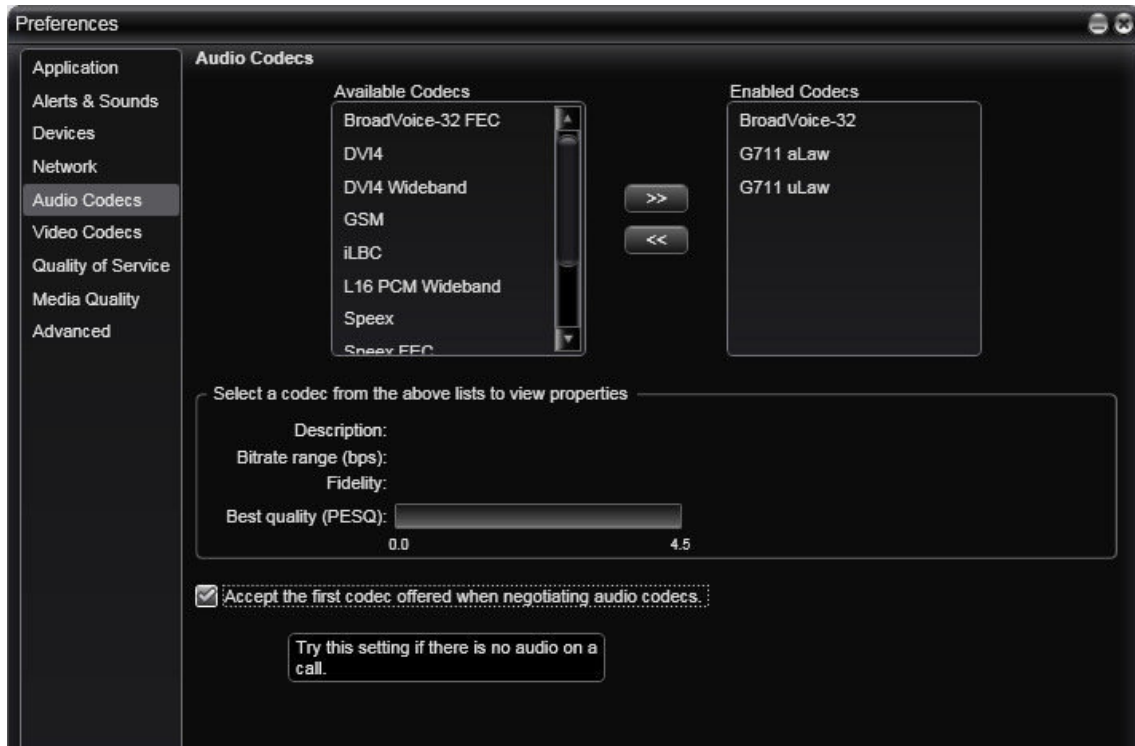
```
m=audio 21602 RTP/AVP 8 0 98
```

Usually a client will use the codec selected with highest priority (the first one sent back in SDP answer) for RTP too. X-Lite sent PCMA as preferred codec BUT uses PCMU in RTP.

This will lead to one-way payload.

The following actions can be taken to solve the issue:

1) In X-Lite 4 a configuration option is available to use the codec with highest priority



2) X-Lite V3: Delete PCMU codec in X-Lite Codec settings (this can be reached via Options Advanced settings)

3) If none of the above is feasible the problem may be eliminated by a configuration change in OSO codec settings: Change codec priority with PCMU to highest priority

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