

Example 3CX server configuration on XeloQ with a SIP trunk – calls from SIP account forward to # 100

The screenshot shows the 3CX Line status web interface in Mozilla Firefox. The browser's address bar displays `http://localhost:5481/status.php`. The page features a sidebar on the left with a navigation menu and a main content area on the right.

3CX - Line status - Mozilla Firefox

Bestand Bewerken Beeld Geschiedenis Bladvijzers Extra Help

[http://localhost:5481/status.php](#) Google

The Legendary Curry...

3CX breakfree
with a software based PBX for Windows

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Line status HOME | LOGOUT
Monitor status: **ONLINE**

This screen shows the status for Extensions, PSTN lines, VOIP provider lines, and 3CX-to-3CX bridges. [More >](#)

Extensions

100 Xelo Q Sales Status: Registered (idle)	101 Xelo Q Administration Status: Registered (idle)	102 Xelo Q Support Status: Not registered
---	--	--

PSTN Lines

VoIP Lines

700204 Line No: 700204 Status: Registered (idle)

3CX-to-3CX bridge

localhost gelezen

3CX - Server status - Mozilla Firefox

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http://localhost:5481/srv_status.php

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Server status

3CX Phone System Version5.0.3790.0

The server log shows server activity and detailed logging Messages. [More >](#)

Time	Function	
14:47:48.890	FaxCfg::updateContact	[CM504008]: Fax Service: registered as sip:888@3CXPhoneSystem with contact sip:888
14:47:47.515	FaxCfg::updateContact	[CM504010]: Fax Service: unregistered contact sip:888:5100;user=phone
14:37:48.046	FaxCfg::updateContact	[CM504008]: Fax Service: registered as sip:888@3CXPhoneSystem with contact sip:888
14:37:47.375	FaxCfg::updateContact	[CM504010]: Fax Service: unregistered contact sip:888:5100;user=phone
14:37:41.781	StunClient::process	[CM506003]: Resolved SIP external IP:port has changed to (77.161.66.81:61588) on Tran
14:37:41.593	StunClient::onInitTests	[CM506001]: STUN request to resolve SIP external IP:port mapping is sent to STUN serve
14:17:47.078	FaxCfg::updateContact	[CM504008]: Fax Service: registered as sip:888@3CXPhoneSystem with contact sip:888
14:17:46.578	FaxCfg::updateContact	[CM504010]: Fax Service: unregistered contact sip:888:5100;user=phone
14:17:41.578	StunClient::process	[CM506003]: Resolved SIP external IP:port has changed to (77.161.66.81:61284) on Tran
14:17:41.406	StunClient::onInitTests	[CM506001]: STUN request to resolve SIP external IP:port mapping is sent to STUN serve
13:57:41.500	StunClient::process	[CM506003]: Resolved SIP external IP:port has changed to (77.161.66.81:60999) on Tran
13:57:41.312	StunClient::onInitTests	[CM506001]: STUN request to resolve SIP external IP:port mapping is sent to STUN serve
13:56:08.796	Call::Terminate	[CM503008]: Call(26): Call is terminated
13:56:08.796	Call::Terminate	[CM503008]: Call(26): Call is terminated
13:55:55.937	Call::Terminate	[CM503008]: Call(25): Call is terminated
13:55:55.937	Call::Terminate	[CM503008]: Call(25): Call is terminated
13:55:55.500	CallCtrl::onLegConnected	[CM503007]: Call(26): Device joined: sip:100@192.168.1.67:5060
13:55:55.484	MediaServerReporting::SetRemoteParty	[MS210003] C:26.3:Answer provided. Connection(transcoding mode):192.168.1.155:708
13:55:55.484	MediaServerReporting::SetRemoteParty	[MS210002] C:26.2:Offer provided. Connection(transcoding mode): 77.161.66.81:60991(
13:55:55.484	MediaServerReporting::SetRemoteParty	[MS210000] C:26.3:Offer received. RTP connection: 192.168.1.67:20000(20001)
13:55:55.468	CallLeg::setRemoteSdp	Remote SDP is set for leg C:26.3
13:55:55.468	MediaServerReporting::SetRemoteParty	[MS210000] C:26.3:Offer received. RTP connection: 192.168.1.67:20000(20001)

Bezig met het laden van localhost...

3CX - Manage Extensions - Mozilla Firefox

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http://localhost:5481/user_extension_list.php

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▶ Manage Extensions

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Edit existing extension settings by clicking on the corresponding extension.

Import Extensions

Add Extension

Edit Selected

Delete Selected

	Extension	Name	SIP ID	VM
<input type="checkbox"/>	100	XeloQ Sales	sales	<input checked="" type="checkbox"/>
<input type="checkbox"/>	101	XeloQ Administration	prepay	<input checked="" type="checkbox"/>
<input type="checkbox"/>	102	XeloQ Support	support	<input checked="" type="checkbox"/>

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3CX - Edit Extension - Mozilla Firefox

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http://localhost:5481/user_extension_info.php?PageRoot_selected[]=1

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Extension number

100

First Name

XeloQ

Last Name

Sales

Email address

sales@xeloq.com

Authentication

🔒

ID & Password fields must match the ID & Password set on the SIP phone. [More >](#)

ID

100

Password

Voice Mail Configuration <<<

🔒

If you are unable to answer a call, you can allow voice messages to be taken. [More >](#)

Enable voice mail

☒

Play Caller ID

☒

Read out date/time of message

Read in 24-hour format

Pin number

100

Email options

Send vmail as attachment

Destination Unreachable / Forwarding <<<

No Answer

Phone busy

Phone Unregistered

Forward All Calls

🔒

Configure behavior if no one answers this extension. [More >](#)

No Answer After (seconds)

10

☐ Continue Ringing

☐ End Call

☐ Forward to Voice Mail

☐ Forward to Extension

☐ Forward to Queue / Ring Group

☐ Forward to Digital Receptionist

☒ Forward to Outside Number

100 XeloQ Sales

00316123456789

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3CX - Edit Extension - ...

3CX VoIP Client

Bamboo Clamboo

Document1 - Microsoft ...

3CX - Line Management - Mozilla Firefox

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http://localhost:5481/line_management.php


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Edit lines by clicking on the corresponding lines. [More >](#)

PSTN


Add PSTN

VOIP


Add VOIP

DID


Add DID

BR


Add 3CX-to-3CX bridge




Edit Selected



Delete Selected



Manage Gateways & Providers



Office hours

	Identification	Virtual extension	Gateway/Provider Name	Gateway / Provider /DID	Direction	Channels	Fax	Office Hours	
								Open	Closed
<input type="checkbox"/>	700204	700204	XeloQ	Provider	both	10	No Fax	100	VM: 100

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3CX - Line Configuration - Mozilla Firefox

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http://localhost:5481/line_configuration.php?selected[]=1

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VoIP Provider Account Details

🔑

Enter a unique Authentication ID, Authentication Password, and Number for this voip provider [More >](#)

External Number

700204

Authentication ID

700204

Authentication Password

Route inbound calls in office hours to <<<

☐ End Call

☒ Extension

100 XeloQ Sales

☐ Connect to Queue / Ring Group

☐ Digital Receptionist

☐ Voicemail box for Extension

100 XeloQ Sales

☐ Forward to Outside Number

Route inbound calls out of office hours to <<<

☐ End Call

☐ Extension

100 XeloQ Sales

☐ Connect to Queue / Ring Group

☐ Digital Receptionist

☒ Voicemail box for Extension

100 XeloQ Sales

☐ Forward to Outside Number

Specify Office hours

Route FAX Calls >>>

Other Options <<<

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Specify other options for this line. [More >](#)

Internal Number (Use different range as extension range)

700204

Outbound Caller ID

700204

Allow outbound calls on this line

☒

Answer incoming calls on this line

☒

Answer after (seconds)

0

3CX - Line Configurati...

3CX VoIP Client

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Document1 - Microsoft ...

3CX - Edit VoIP Provider - Mozilla Firefox

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http://localhost:5481/voip_gateway2.php?selected[]=1&returnto=1

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▶ Edit VOIP Provider

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You can use any VOIP SIP Provider to make & receive calls via the internet. [More >](#)

VoIP Provider = XeloQ

 Enter the Hostname and Port for your provider's SIP Server. [More >](#)

Registrar/Proxy Hostname or IP

sip.goandcall.com

Registrar/Proxy Port

6060

Outbound Proxy Hostname or IP


sip.goandcall.com

Outbound Proxy Port (default is 5060)

6060

«Registration settings >>>

Codec priorities <<<

 Specify which codecs to use and according to which priority [More >](#)

Available codecs

Speex
iLBC

Add >

< Remove

Assigned codecs

G.711 U-law
G.711 A-law
GSM-FR

Up

Down

Provider capabilities >>>

Location of destination number >>>

Source Identification >>>

Gateway / Provider Outbound Parameters >>>

Gateway / Provider Inbound Parameters >>>

Other options >>>

OK

Do the Firewall Test

Cancel

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3CX - Manage Outbound Call Rules - Mozilla Firefox

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http://localhost:5481/dialingplan_lst.php


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▶ Manage Outbound Call Rules

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To edit an existing Outbound Call Rule, click on the corresponding rule. [More >](#)

+

Add

✎

Edit Selected

✕

Delete Selected

⬆

Move up

⬇

Move down

<input type="checkbox"/>	Name	Apply to Extensions	Number prefix	Number Length	Route 1	Route 2	Route 3
<input type="checkbox"/>	All outbound calls		0		XeloQ		
<input type="checkbox"/>	XeloQ in zone 7xxxxx		7		XeloQ		

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3CX - Create Outbound Rule - Mozilla Firefox

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http://localhost:5481/dialingplan_info.php?selected[]=1

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▶ Edit Outbound Call Rule

Outbound Call Rules allow you to define which PSTN line(s) or VOIP provider outbound calls should be placed on.

General

Rule Name

All outbound calls

Apply this rule to these calls

Define to which calls this rule must be applied. This can be based on the number being dialed or the extension which is making the call. [More >](#)

Calls to Numbers starting with (Prefix)

0

Calls from extension(s)

Calls to Numbers with a length of

Make Outbound Calls on

You can configure up to 3 routes for calls to go out on. [More >](#)

Route 1

XeloQ

Strip Digits

0

Prepend

Route 2

Strip Digits

1

Prepend

Route 3

Strip Digits

1

Prepend

OK

Cancel

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3CX - Create Outbound Rule - Mozilla Firefox

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http://localhost:5481/dialingplan_info.php?selected[]=2


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▶ Edit Outbound Call Rule

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Outbound Call Rules allow you to define which PSTN line(s) or VOIP provider outbound calls should be placed on.

General

Rule NameXeloQ inzone 7xxxxx

Apply this rule to these calls

🔍

Define to which calls this rule must be applied. This can be based on the number being dialed or the extension which is making the call. [More >](#)

Calls to Numbers starting with (Prefix)

7

Calls from extension(s)

Calls to Numbers with a length of

Make Outbound Calls on

🔍

You can configure up to 3 routes for calls to go out on. [More >](#)

Route 1

XeloQ

Strip Digits0

Prepend

Route 2

Strip Digits1

Prepend

Route 3

Strip Digits1

Prepend

OK

Cancel

Klaar

3CX - General settings - Mozilla Firefox

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http://localhost:5481/admin_general.php

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▶ General settings

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Specify the ports to use for internal calls and calls via the VOIP providers and set other miscellaneous settings.

Ports Configuration >>>

SIP Port

Set this to the SIP port that the 3CX Phone System will receive calls on (default 5060)

SIP Port

5060

Ports to use for internal calls

These ports will be used for internal calls as calls to the PSTN via VOIP Gateways. These ports will not need to be opened on your internet facing router/firewall. If you are running a firewall on the phone system machine, you will need to open this port range as well.

First Port

7000

Last Port

7499

Ports to use for external calls

These ports will be used for calls placed via VOIP providers. Assuming your phone system is behind the fire wall, you will need to open these ports on your internet facing firewall. To check if the ports are open through the firewall, please run the firewall checker test by clicking on the button below "Firewall Test".

First Port

9000

Last Port

9015

Firewall Test

Voicemail and FAX Delivery Settings >>>

STUN server options >>>

Settings for Direct SIP Calls >>>

Logging level >>>

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Microsoft Exchange 2007 Integration >>>

e164 Number Processing >>>

Firewall Options >>>

Other >>>

OKCancel

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3CX - General settings - Mozilla Firefox

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Voicemail and FAX Delivery Settings <<<

Voicemail Settings

These settings will be used for Voice mail notifications. SMTP server address should be in format: "server name:port" (for example "smtp.somefirm.com:25"). The port number can be omitted (default value is "25")

Mail server

smtp.yourserver.com

Reply Address

sales@xeloq.com

Username for accessing SMTP server

mailuser

Password for accessing SMTP server

Special Voice Menu Extension Number

999

Notify User when Extension is Added

☒

FAX Delivery Settings

These settings will be used for FAX delivery settings.

Special FAX Extension Number

888

FAX Authentication ID

888

FAX Authentication Password

888

FAX Default Delivery Address

STUN server options <<<

These settings will be the defaults used for STUN resolution of the external IP Address. It is also possible to set a specific STUN server for each VoIP Provider via Additional Options. TO DISABLE STUN RESOLUTION, DELETE STUN ENTRIES.

Default STUN server address

stun.3cx.com

Port

3478

Default second STUN server address

stun2.3cx.com

Port

3478

Timeout time for STUN response (ms)

3000

Recheck external IP every (sec)

1200

Settings for Direct SIP Calls >>>

Logging level >>>

Office Hours >>>

Microsoft Exchange 2007 Integration >>>

e164 Number Processing >>>

Firewall Options >>>

Other >>>

javascript:GroupHideShow('FrmLine_13', 'STUN server options', ['FrmLine_14', 'FrmLine_42', 'FrmLine_15', 'FrmLine_16', 'FrmLine_17'])

3CX - General settings - Mozilla Firefox

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Firewall Test

Voicemail and FAX Delivery Settings >>>

STUN server options >>>

Settings for Direct SIP Calls <<<

3CX Phone System includes the ability make and receive Direct SIP Calls. [More >](#)

Allow calls to external SIP URIs☐

Local SIP domain

Logging level <<<

This settings allows you to decide the amount of detail to report into the log files

☐ Low

☐ Medium

☒ Verbose (only used for debugging purposes)

Office Hours <<<

Configure Office Hours to alter routing behaviour depending on configured office and out-of-office hours.

Configure Office Hours

Microsoft Exchange 2007 Integration <<<

You can configure 3CX Phone System to use Exchange Server 2007 Unified Messaging as your voice mail server. [More >](#)

Use Exchange 2007 for Voice Mail☐

Microsoft Exchange 2007 Hostname or IP

Microsoft Exchange 2007 SIP Port

e164 Number Processing >>>

Firewall Options <<<

Non sequential RTP ports are required by some firewalls (e.g. ISA server).

Allow non-sequential RTP port☐

Other <<<

Specify the file that will be used to play music on hold. [More >](#)

Music file for music on hold

Bladeren...Play

OK

Cancel

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