

MyNet SIP Trunk

3CX Configuration Guide

Version 1.2

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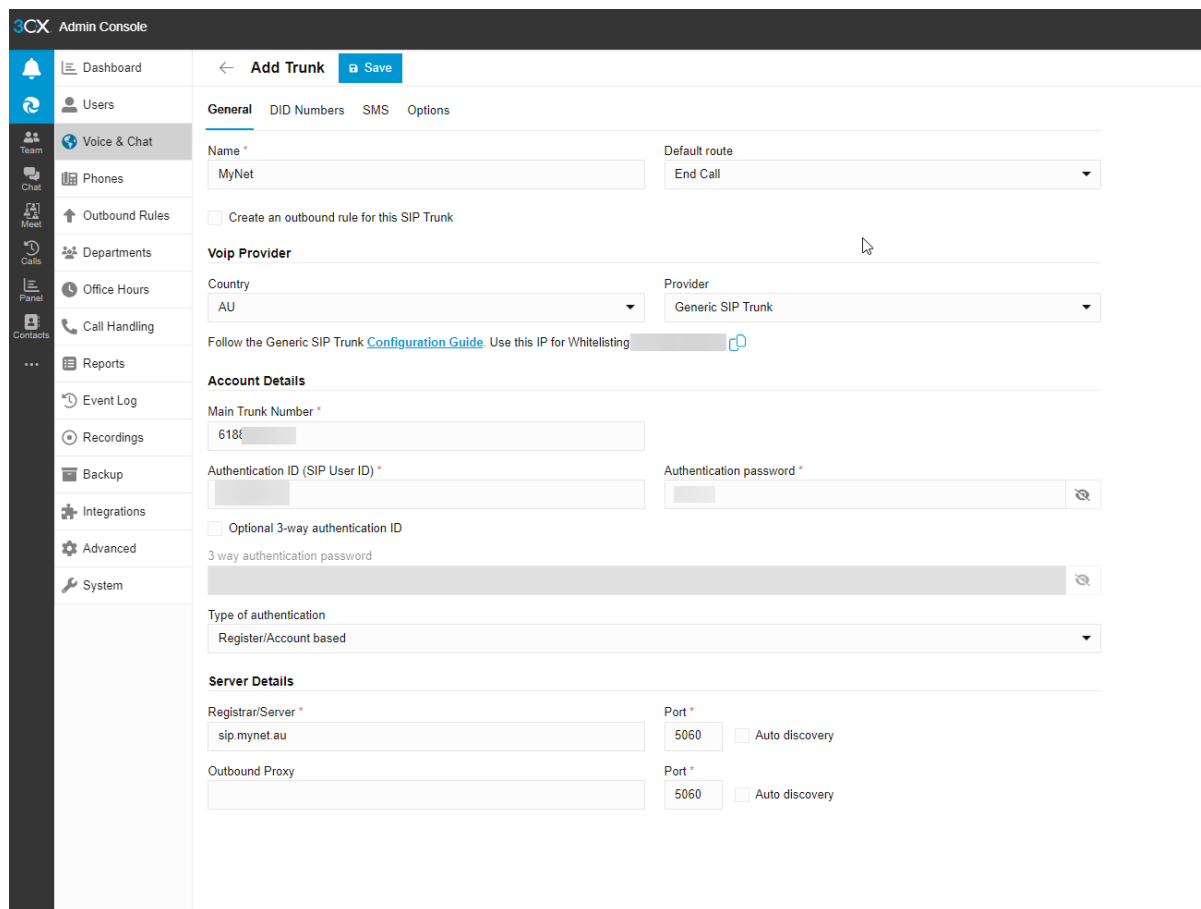
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This guide will provide an example of how to configure a My Net SIP Trunk on a 3CX system.

Before proceeding, See our basic configuration details: [MyNet SIP Trunk – Configuration Basics](#)

Configuring the Trunk

1. Login to 3CX and goto Voice and Chat
2. Click Add SIP Trunk
3. Click Add Trunk
4. In the General tab
5. Enter Name as MyNet
6. Set your default route
7. Untick “Create outbound rules for this SIP Trunk” (We will configure these later)
8. Select AU as the Country
9. Select the Provider Generic SIP
10. Enter your main trunk number in E164 format (e.g. 618 8XXX XXXX).
11. Enter you SIP Trunk Username in the Authentication ID field
12. Enter you SIP Trunk Password I n the authentication password field
13. Set Type of authentication to “Register/Account Based”
14. Under Server Details in the “Registrar/Server” field enter sip.mynet.au
15. Ensure the port is set to 5060



3CX Admin Console

← Add Trunk Save

General DID Numbers SMS Options

Name * MyNet Default route End Call

☐ Create an outbound rule for this SIP Trunk

Voip Provider

Country AU Provider Generic SIP Trunk

Follow the Generic SIP Trunk [Configuration Guide](#). Use this IP for Whitelisting

Account Details

Main Trunk Number * 618

Authentication ID (SIP User ID) * Authentication password *

☐ Optional 3-way authentication ID

3 way authentication password

Type of authentication Register/Account based

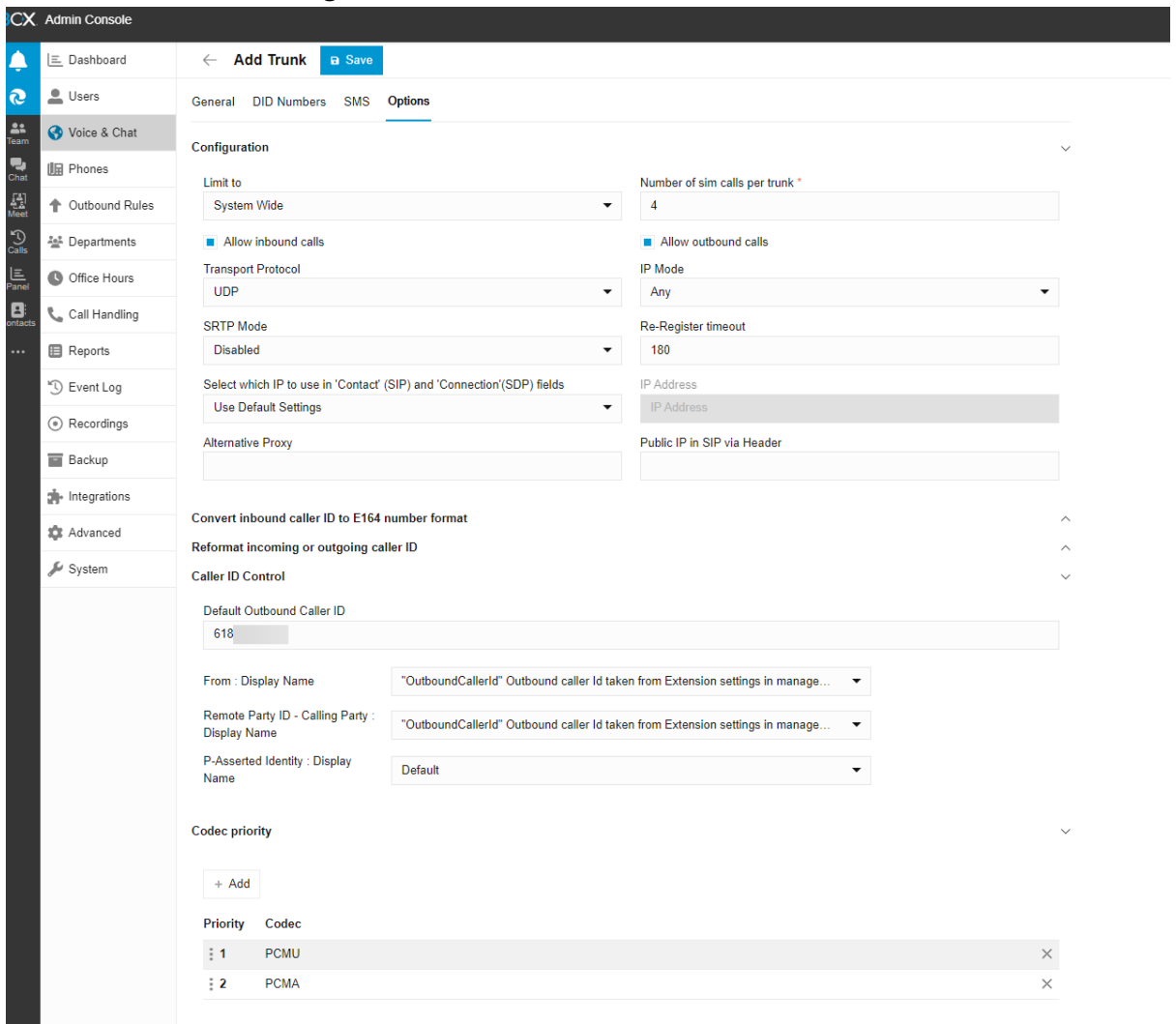
Server Details

Registrar/Server * sip.mynet.au Port * 5060 ☐ Auto discovery

Outbound Proxy Port * 5060 ☐ Auto discovery

16. Goto the DID Numbers tab

17. Enter all your assign DIDs in E164 format
18. Goto the Options tab
19. Under configuration
20. Enter the number of SIM Calls for your trunk
21. Set Transport Protocol to UDP
22. Under Caller ID Control
23. Set your default caller ID in E164 format
24. Set From : Display name to “OutboundCallerId” (ensure letter case is correct)
25. Set Remote Party ID - Calling Party : Display Name to “OutboundCallerId” (ensure letter case is correct)
26. Set P-Asserted Identity : Display Name to Default
27. In Codec Priority
28. Set Codecs in the following order PCMU,PCMA



3CX Admin Console

Add Trunk [Save]

General DID Numbers SMS **Options**

Configuration

Limit to: System Wide

Number of sim calls per trunk: 4

☒ Allow inbound calls ☒ Allow outbound calls

Transport Protocol: UDP

IP Mode: Any

SRTP Mode: Disabled

Re-Register timeout: 180

Select which IP to use in 'Contact' (SIP) and 'Connection' (SDP) fields: Use Default Settings

IP Address: IP Address

Alternative Proxy:

Public IP in SIP via Header:

Convert inbound caller ID to E164 number format

Reformat incoming or outgoing caller ID

Caller ID Control

Default Outbound Caller ID: 618

From : Display Name: "OutboundCallerId" Outbound caller Id taken from Extension settings in manage...

Remote Party ID - Calling Party : Display Name: "OutboundCallerId" Outbound caller Id taken from Extension settings in manage...

P-Asserted Identity : Display Name: Default

Codec priority

+ Add

Priority	Codec
1	PCMU
2	PCMA

29. Click Save
30. Trunk should now register. If you are having issues with registration please confirm all requirements are met in the [MyNet SIP Trunk – Configuration Basics](#)

Configuring outbound Rules

All calls must be presented with a valid E164 destination number. Below is how to configure 3CX to modify user input number into the correct format.

Rules must be in the following order.

Outbound Rules Help ?									
+ Add ✎ Edit 🗑 Delete ⬆ Move Up ⬇ Move Down									
Q Search...									
Outbound Rule Name	Prefix	Call from Ext.	Length	Department	Route 1	Route 2	Route 3	Route 4	Route 5
Emergency Services	000	ALL	3		MyNet	-	-	-	-
13 Numbers	13	ALL	6		MyNet	-	-	-	-
Local Calls		ALL	8		MyNet	-	-	-	-
Premium Numbers	1300,1800	ALL	10		MyNet	-	-	-	-
National and Mobile	02,03,04,07,08	ALL	10		MyNet	-	-	-	-
E164 Dialling	61	ALL	5-16		MyNet	-	-	-	-
International Dialling	0011	ALL	9-24		-	-	-	-	-

Rue Name	Notes
Emergency Services	Required for Calls to 000
13 Numbers	Used to Call 13 numbers that are 6 digits
Local Numbers	Used to route local state calls that start without and area code (8 digit numbers).
National and Mobile	Used for Interstate and Mobile Calls
Premium Numbers	Used to route 1300 and 1800 numbers
E164	Use to route numbers already in E164 format
International	Use to route international calls. (This is optional. Only required if you want to make international calls)

Emergency Calls

Rule Name: Emergency Services

Calls to numbers starting with prefix: 000

Calls to numbers with a length of: 3

Route 0: MyNet SIP trunk

Strip digits: 0

Prepend: 61

← Edit: Emergency Services

Save

Rule Name *

Emergency Services

Calls to numbers starting with prefix

Calls from extension(s)

Calls to numbers with a length of

000

3

Calls from Departments

+ Add

Make outbound calls on

		Strip digits	Prepend	Outbound caller ID
Route 0	MyNet x	0	61	
Route 1	Select Trunk	0		
Route 2	Select Trunk	0		
Route 3	Select Trunk	0		
Route 4	Select Trunk	0		

13 Numbers

Rule Name: 13 Numbers

Calls to numbers starting with prefix: 13

Calls to numbers with a length of: 6

Route 0: MyNet SIP trunk

Strip digits: 0

Prepend: 61

[← Edit: 13 Numbers](#) [Save](#)

Rule Name *

13 Numbers

Calls to numbers starting with prefix

Calls from extension(s)

Calls to numbers with a length of

13

6

Calls from Departments

[+ Add](#)

Make outbound calls on

		Strip digits	Prepend	Outbound caller ID
Route 0	MyNet x ▼	0 ▼	61	
Route 1	Select Trunk ▼	0 ▼		
Route 2	Select Trunk ▼	0 ▼		
Route 3	Select Trunk ▼	0 ▼		
Route 4	Select Trunk ▼	0 ▼		

Local Calls

Australian uses 8-digit local phone numbers with a prefixed STD area code.

Please use the table below to fill out the correct outbound rule for your local state

Area Code	Region	State or Territory	3CX Prepend
02	Central East	NSW, ACT	612
03	South East	VIC, TAS	613
07	North East	QLD	617
08	Central and West	WA, SA, NT	618

Below example is for South Australia

Rule Name: Local Calls

Calls to numbers starting with prefix: <leave blank>

Calls to numbers with a length of: 8

Route 0: MyNet SIP trunk

Strip digits: 0

Prepend: 618

[←](#)
[Edit: Local Calls](#)
[Save](#)

Rule Name *
Local Calls

Calls to numbers starting with prefix

Calls from extension(s)

Calls to numbers with a length of
8

Calls from Departments

+ Add

Make outbound calls on

		Strip digits	Prepend	Outbound caller ID
Route 0	MyNet x	0	618	
Route 1	Select Trunk	0		
Route 2	Select Trunk	0		
Route 3	Select Trunk	0		
Route 4	Select Trunk	0		

Premium Numbers

Rule Name: Premium Numbers

Calls to numbers starting with prefix: 1300,1800

Calls to numbers with a length of: 10

Route 0: MyNet SIP trunk

Strip digits: 0

Prepend: 61

← **Edit: Premium Numbers** [Save](#)

Rule Name *

Premium Numbers

Calls to numbers starting with prefix
1300,1800

Calls from extension(s)

Calls to numbers with a length of
10

Calls from Departments

[+ Add](#)

Make outbound calls on		Strip digits	Prepend	Outbound caller ID
Route 0	MyNet x ▼	0 ▼	61	
Route 1	Select Trunk ▼	0 ▼		
Route 2	Select Trunk ▼	0 ▼		
Route 3	Select Trunk ▼	0 ▼		
Route 4	Select Trunk ▼	0 ▼		

National and Mobile

Rule Name: National and Mobile

Calls to numbers starting with prefix: 02,03,04,07,08

Calls to numbers with a length of: 10

Route 0: MyNet SIP trunk

Strip digits: 1

Prepend: 61

[← Edit: National and Mobile](#) [Save](#)

Rule Name *

National and Mobile

Calls to numbers starting with prefix

Calls from extension(s)

Calls to numbers with a length of

02,03,04,07,08

10

Calls from Departments

[+ Add](#)

Make outbound calls on

		Strip digits	Prepend	Outbound caller ID
Route 0	MyNet x	1	61	
Route 1	Select Trunk	0		
Route 2	Select Trunk	0		
Route 3	Select Trunk	0		
Route 4	Select Trunk	0		

E164 Dialling

Rule Name: E164 Dialling
Calls to numbers starting with prefix: 61
Calls to numbers with a length of: 5-16
Route 0: MyNet SIP trunk
Strip digits: 0
Prepend:

← Edit: E164 Dialling

Save

Rule Name *

E164 Dialling

Calls to numbers starting with prefix

Calls from extension(s)

Calls to numbers with a length of

61

5-16

Calls from Departments

+ Add

Make outbound calls on

		Strip digits	Prepend	Outbound caller ID
Route 0	MyNet x	0		
Route 1	Select Trunk	0		
Route 2	Select Trunk	0		
Route 3	Select Trunk	0		
Route 4	Select Trunk	0		

International Dialing

Rule Name: International Dialing

Calls to numbers starting with prefix: 0011

Calls to numbers with a length of: 9-24

Route 0: MyNet SIP trunk (to block international dialing leave Select trunk blank)

Strip digits: 0

Prepend:

[←](#) **Edit: International Dialing** [Save](#)

Rule Name *
International Dialing

Calls to numbers starting with prefix
0011

Calls from extension(s)

Calls to numbers with a length of
9-24

Calls from Departments
[+ Add](#)

Make outbound calls on

		Strip digits	Prepend	Outbound caller ID
Route 0	Select Trunk ▼	0 ▼		
Route 1	Select Trunk ▼	0 ▼		
Route 2	Select Trunk ▼	0 ▼		
Route 3	Select Trunk ▼	0 ▼		
Route 4	Select Trunk ▼	0 ▼		

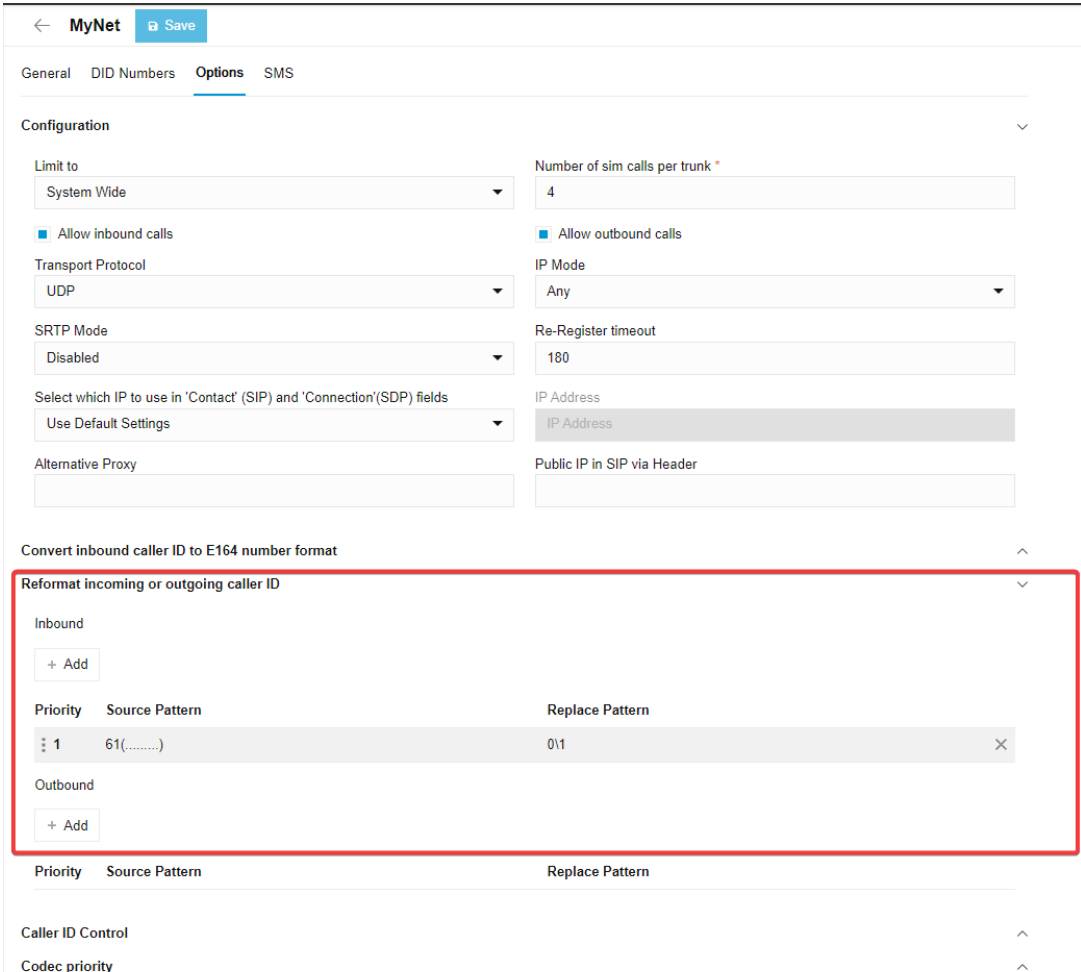
Optional Configuration

Incoming Caller ID

All caller IDs are sent in E164 format (618XXXXXXXX). Some customers may want to modify this to look like 08XXXXXXXX. In this case you can perform the following steps to have 3CX rewrite the caller ID.

Note: This will match any incoming Caller ID, Starting with 61 followed by 9 digits. It will strip the 61 at the start and replace it with 0

1. Goto Voice and Chat
2. Edit MyNet Trunk settings
3. Goto the Options tab
4. Under “Reformat Incoming or Outgoing Caller ID”
5. Under Inbound, Click Add
6. In Source Pattern enter “61(.....)”
7. In Replace Pattern enter “0\1”
8. Click OK



MyNet Save

General DID Numbers **Options** SMS

Configuration

Limit to: System Wide

Number of sim calls per trunk: 4

☒ Allow inbound calls ☒ Allow outbound calls

Transport Protocol: UDP

IP Mode: Any

S RTP Mode: Disabled

Re-Register timeout: 180

Select which IP to use in 'Contact' (SIP) and 'Connection'(SDP) fields: Use Default Settings

IP Address: IP Address

Alternative Proxy:

Public IP in SIP via Header:

Convert inbound caller ID to E164 number format

Reformat incoming or outgoing caller ID

Inbound

+ Add

Priority	Source Pattern	Replace Pattern
1	61(.....)	0\1

Outbound

+ Add

Priority Source Pattern Replace Pattern

Caller ID Control

Codec priority

9. Click Save at the top of the screen to save the trunk settings
10. In some cases, it may be required to Refresh the trunk registration for changes to take effect.