



MNF SIP TRUNK AUTHENTICATION

The MyNetFone SIP Trunk service is slightly different from other SIP Trunk services, in that it does not authenticate users with the standard username/password method.

Instead, the MyNetFone SIP Trunk service authenticates users based on 2 pieces of information:

1. The Public IP Address of the internet connection that the SIP Trunk service is being used on
2. The MyNetFone DID that is being sent to us from the PBX/Hardware configured to use the SIP Trunk service

Therefore, the PBX/Hardware configured to use the SIP Trunk service should not be trying to send a REGISTER string to us, it should just be sending INVITE packets to us which have been formatted correctly.

In order to successfully authenticate, the INVITE packet that is sent from the PBX/Hardware (when an outgoing call is made) needs to be correctly formatted. In the box below are the relevant parts of a successful INVITE packet that have been pulled from a Wireshark capture, with explanations.

The important parts are highlighted in yellow, and need to be configured as shown:

INVITE sip: 0412345678@sip20.mynetfone.com.au:5060 SIP/2.0

*In the INVITE string, "0412345678" is the number that has been dialed.
"sip20.mynetfone.com.au" is the Proxy Server for the MyNetFone SIP Trunk Service. The IP address can be used instead of the hostname if desired.
The SIP Port of "5060" should be used.
The format of <number>@<proxy server>:<sip port> must be used.*

Vi a: SIP/2.0/UDP 125.213.170.253:1025;branch=z9hG4bK20681057

In the VIA string, "125.213.170.253" is the Public IP Address of the internet connection that the SIP Trunk service is being used on.

From: "Joe Bloggs" <sip:0281234567@125.213.160.83>;tag=3B792E38-1F4A

*In the FROM string, "0281234567" is one of the MyNetFone DID's that have been assigned as part of the SIP Trunking service.
"125.213.160.83" is the IP Address of the Proxy Server for the MyNetFone SIP Trunk service.*

Contact: <sip:0281234567@125.213.170.253:1025>

*In the CONTACT string, "0281234567" is one of the MyNetFone DID's that have been assigned as part of the SIP Trunking service.
"125.213.170.253" is the Public IP Address of the internet connection that the SIP Trunk service is being used on.*

o=CiscoSystemsSIP-GW-UserAgent 4848 4553 IN IP4 125.213.170.253

In the SDP section of the INVITE packet, "125.213.170.253" is the Public IP Address of the internet connection that the SIP Trunk service is being used on.

c=IN IP4 125.213.170.253

In the SDP section of the INVITE packet, "125.213.170.253" is the Public IP Address of the internet connection that the SIP Trunk service is being used on.