VOICE

TECHNICAL PROFILE

HOW IT WORKS

Our business grade Voice solution provides you with a resilient voice network over the Vector Communications SIP trunks.

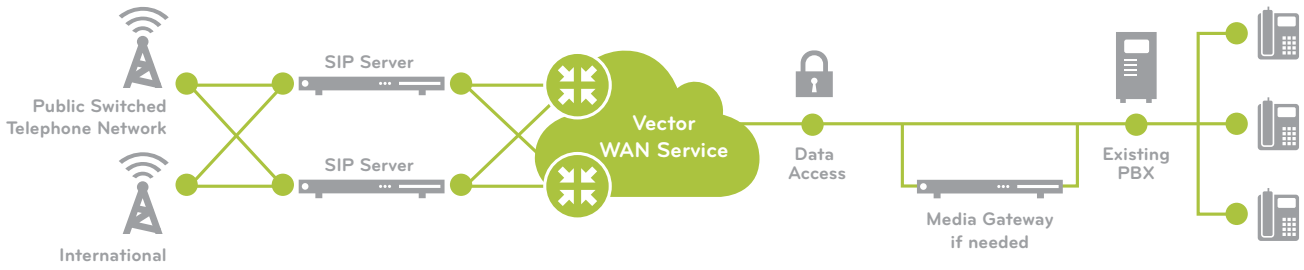
We can connect your PBX to our SIP trunking service which will enable a seamless connection to the PSTN through links in Auckland, Wellington and Christchurch.

If your current PBX doesn't support the SIP Trunking we can arrange for a media gateway to be installed.

You can keep your current telephone numbers including DDIs and we will manage the migration.
We also work with your existing IP-PBX and provider, so you can keep your existing system and handsets.

TECHNOLOGY OVERVIEW

Our service provides an IP Trunk using standards base SIP or Microsoft Lync signalling.
Connect your PBX to the Session Boarder Controllers to deliver your VoIP calling to the Public Phone Network.
SIP Trunks will be delivered to your sites over a Vector Communications' WAN service.



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SERVICE SPECIFICATIONS

Attributes	SIP Trunks	Lync Trunks
Signalling	SIP V2 (UDP)	SIP V2 (TCP/TLS)
Codec	G.711 a-law	G.711
Called number format	E.164	E.164
QOS	Real Time (RT) only	Real Time (RT) only
Bandwidth Allocation	101kbps	101kbps
IP Version	Static	Static
Authentication	IPV4 Unicast	IPV4 Unicast
Media Proxying	Trust IP	Trust IP
DTMF	RFC2833	RFC2833

We can transcode between G.711 and G.729 voice codes. This should be agreed prior to provisioning.

T.38 fax is supported, however Fax numbers must be identified to enable them to function correctly.

The following line/call types are unsupported: -

- Alarm systems that are not IP-Enabled i.e. run over a POTS (Plain Old Telephone System) line are not supported over SIP Trunk. POTS lines can be provided to enable these alarms systems to function.
- EFT-POS systems that have xDSL connection types. However a xDSL service can be provided to enable these systems to operate.

Make sure your business gets the full benefit of our Voice services as soon as possible.
Call Vector Communications on **0800 826 436**, or email us **contactus@vector.co.nz** today.