SIP SERVER SDK v8.0
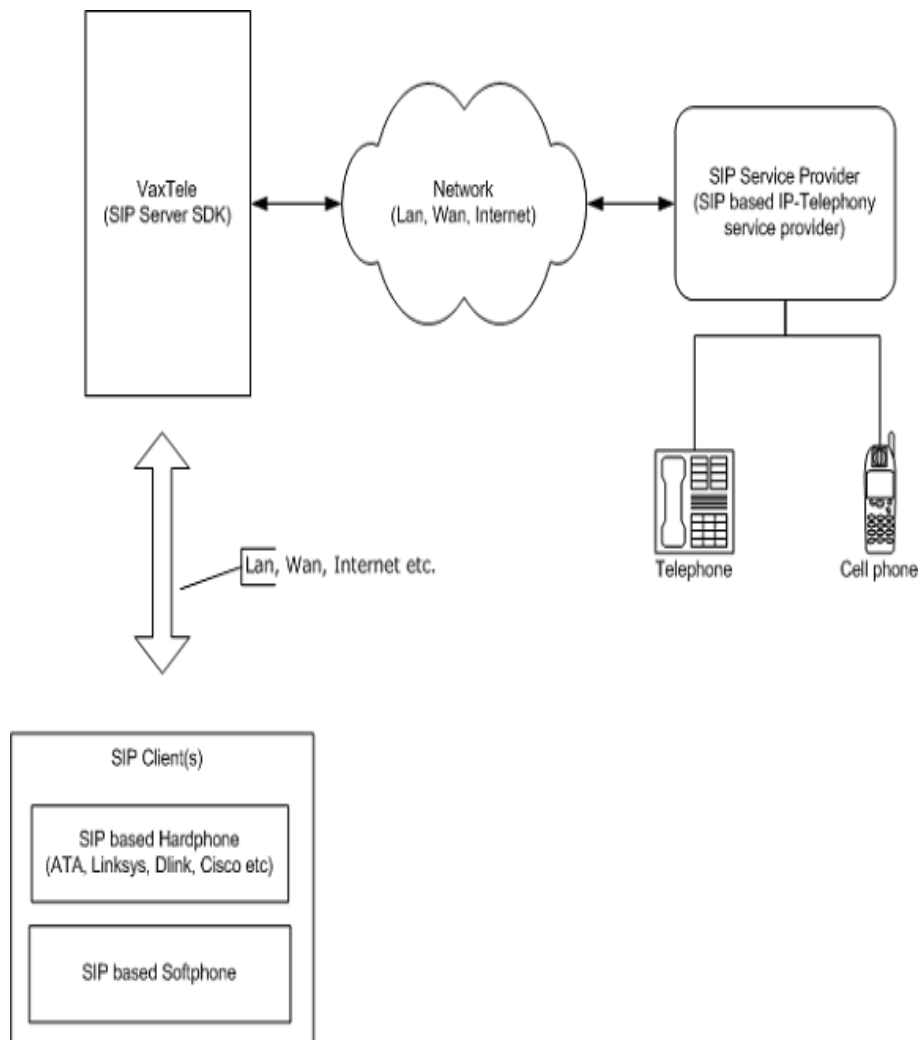
CONNECT TO IP-TELEPHONY SERVICE PROVIDER

VERSION 8.0.2.4

CONNECT TO IP-TELEPHONY SERVICE PROVIDER (ITSP)

Numerous IP-Telephony Service Providers (ITSPs) are available online, offering various services such as calling minutes and account settings for purchase. These providers enable connectivity to traditional telephony networks.

The account settings provided by an ITSP can be configured as a LINE within the VaxVoIP SDK. Once configured, the VaxVoIP SDK can be used to make and receive calls to both mobile and landline phones, seamlessly bridging the gap between IP-based communication and traditional telephony.

This setup is particularly useful for businesses and applications that require reliable, cost-effective communication solutions integrated into their existing IP infrastructure.

DIAL CALL TO SERVICE PROVIDER (ITSP)

Method: AddUser() User-Name for SIP client **Method:** AddLine() Line-Name is used to add SIP account provided by an IP-Telephony service provider.
VaxVoIP receives a registration request from a SIP client, and the SIP client registers successfully.
Method: RegisterLine(Line-Name, 1800)
Event: OnLineRegisterSuccess()
SIP account/Line registers to service provider successfully.
SIP client dials a phone number.
Event: OnCallSessionCreated()
Event: OnIncomingCall()   FromPeerType = USER, FromPeerName = User-Name
Method: AcceptCallSession() ToPeerName = Line-Name
VaxVoIP sends dial call request to SIP service provider (ITSP)
Mobile/PSTN phone starts ringing.
Event: OnCallSessionConnecting()   ChannelId = Channel-ONE (ITSP)
SIP service provider (ITSP) accepts the call.
Event: OnCallSessionConnected()
Audio streaming starts between SIP client and service provider (ITSP) phone user.
SIP client or service provider (ITSP) phone user disconnects the Call.
Event: OnCallSessionHangUp() ChannelId = Channel-ZERO (if SIP client hangs up) ChannelId = Channel-ONE   (if ITSP phone user hangs up)
Event: OnCallSessionClosed()

RECEIVE CALL FROM SERVICE PROVIDER (ITSP)

Method: AddUser() User-Name for SIP client **Method:** AddLine() Line-Name is used to add SIP account provided by an IP-Telephony service provider.
VaxVoIP receives registration request from SIP client and registers successfully.
Method: RegisterLine(Line-Name, 1800)
Event: OnLineRegisterSuccess()
SIP account/Line registers to service provider successfully.
VaxVoIP receives call request from Service provider.
Event: OnCallSessionCreated()
Event: OnIncomingCall()   FromPeerType = LINE, FromPeerName = Line-Name
Method: AcceptCallSession()   ToPeerName = User-Name
VaxVoIP sends call request to SIP client.
SIP client side phone starts ringing.
Event: OnCallSessionConnecting()   ChannelId = Channel-ONE call (SIP client)
SIP client accepts the incoming call.
Event: OnCallSessionConnected()
Audio streaming starts between SIP client and ITSP phone user.
SIP client or service provider (ITSP) phone user disconnects the call.
Event: OnCallSessionHangUp() ChannelId = Channel-ZERO (if ITSP phone user hangs up) ChannelId = Channel-ONE   (if SIP client hangs up)
Event: OnCallSessionClosed()