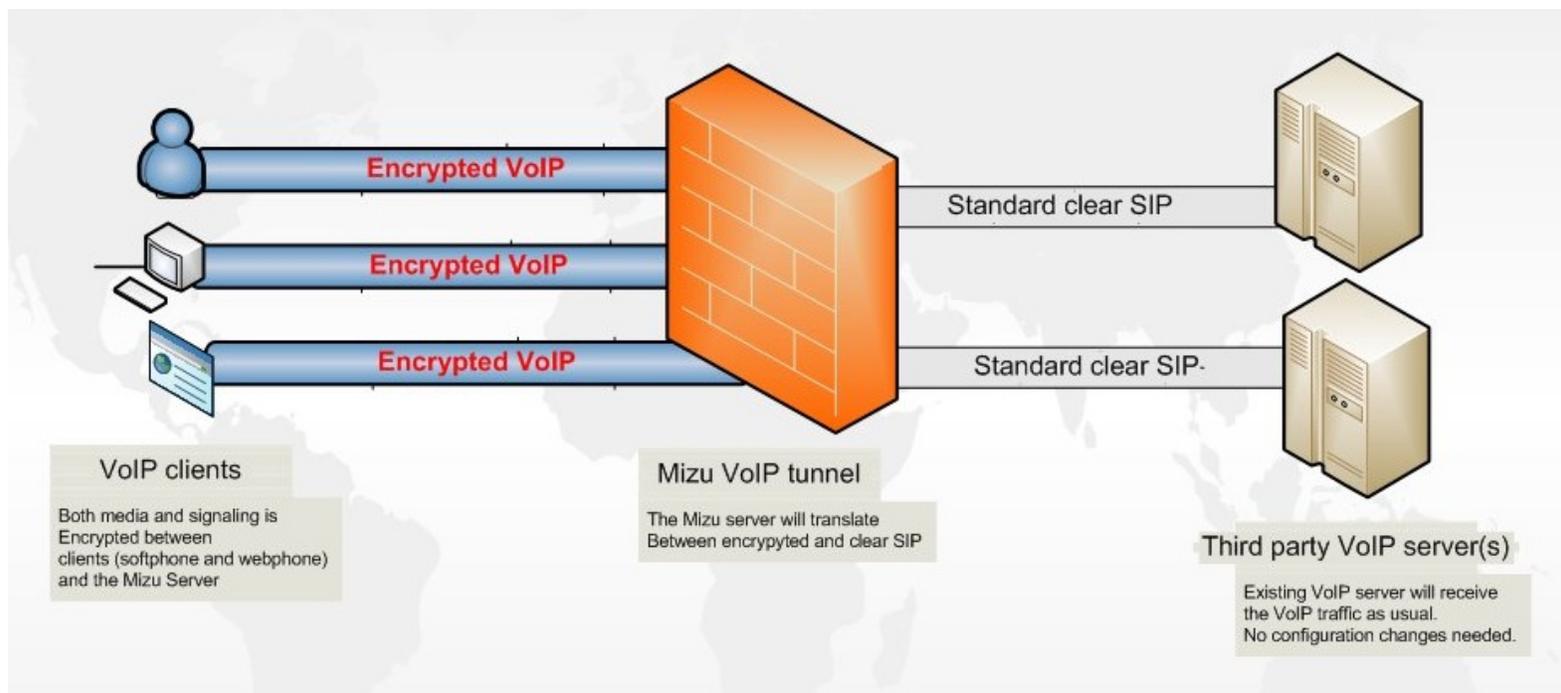


# Mizu VoIP Encryption

## Introduction

By using encrypted and obfuscated VoIP transport your users will be able to communicate confidentially and your VoIP traffic cannot be sniffed and blocked by third party agencies.

Mizu VoIP tunnel is a special VoIP server software whose task is to encrypt all communication from/to the clients and to forward the calls to your server(s) using the common SIP protocol. This UDP level encryption will not add any overhead to your network traffic and can work completely transparent. The encryption will allow VoIP usage in any countries bypassing all kind of VoIP filtering (not like the usual SRTP encryption which can be easily detected by VoIP filters)



## Benefits

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- Works with your existing VoIP servers. Our server is using the standard SIP protocol and has proven compatibility with all existing devices on the market
- Fast startup: you can start using encrypted VoIP in a few hours after contacting us. No changes are needed in your existing infrastructure.
- Communication in all scenarios, i.e. for making and receiving calls from blocked areas e.g. Dubai in UAE
- Built-in registrar server, sip proxy, IM/ presence server and b2b sip stack
- Reliability: our servers are used on enterprise environments when high uptime is a must
- No quality loss: by using UDP transport level encryption, all the negative impacts of traditional VPN solutions are bypassed
- Secured communications between clients
- Both the signaling and the media is encrypted
- Optional HTTP tunneling to bypass any firewall
- High throughput: one server can handle up to 6000 simultaneous call using a single server or up to 10000 in a dual server configuration
- No network overhead. Unless other TCP based VoIP tunneling solutions, our server can encrypt UDP packets transparently
- High speed encryption/decryption: fast proprietary encryption or standard based (tls, srtp)
- Multiple standard and proprietary encryptions: fast encryption with symmetric keys or using blowfish cipher + packet compression
- The tunneling server can offload a huge traffic from your server(s) by handling all the communications between the clients (voice, video, presence, chat, etc) and forwarding only billed traffic to your server
- Distributed proxy network to prevent server IP blockage
- Zero configuration and maintenance. All authentication request and billed calls (e.g. calls to PSTN) can be forwarded to your server like it was before.
- Runs on standard hardware: Windows server is required (preferable Windows server 2003 or 2008)
- Load balancing and failovering: the Mizu tunnel can send the traffic to multiple server using different routing algorithms
- Custom features if needed

## Included software's and services

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- Tunneling server (including backup/failover server when needed)
- Customized softphone with built-in encryption for all the major platforms ( Windows, Android, iOS)
- Customized webphone with built-in encryption (Web browsers)
- Client tunnel (can be used with other softphones or VoIP gateways)
- Server setup by our support for no extra charge (for this please provide a remote desktop access for our support)
- Support
- Free trial period (pay only if you are satisfied)

For more information contact [serversupport@mizu-voip.com](mailto:serversupport@mizu-voip.com) or visit our website at [www.mizu-voip.com](http://www.mizu-voip.com).