



## Overview

At TokBox, we're proud to be able to deliver our service regardless of the network topology. We have the technology to traverse firewalls and establish connectivity between participants in every part of the world.

In general, corporate environments, such as hospitals and financial institutions, require firewall configuration to allow media to pass through, and in some cases the IT department requires an IP Whitelist of the cloud servers.

For customers who need to go one step further to isolate IP addresses, our Configurable TURN API provides a solution. With Configurable TURN, customers have flexibility and control to use their own TURN servers for media traffic. Configurable TURN is particularly useful for healthcare and enterprise clients working with restrictive corporate networks to enable connectivity.

## Use Cases

Configurable TURN API will benefit the following categories of OpenTok customers

### Enterprise Solutions

Working with restrictive corporate networks

- Banking and financial institutions
- Insurance providers
- Corporate education platforms
- Recruiting software
- Conferencing software

### Telemedicine

Working with restrictive hospital networks

- Remote doctor consultations.
- Virtual mental health support and counseling.
- Medical imaging collaboration.
- On-demand wellness and fitness.



### What is WebRTC?

WebRTC (Web Real-Time Communication) is an open standard for embedding real-time communications directly into web browser and mobile applications. WebRTC offers better video quality than predecessor technologies, up to 6x faster connection times, reduced audio/video latency and complete customizability.

## Benefits

- Provides client flexibility and control in order to provide connectivity to OpenTok platform from restrictive networks
- Use trusted TURN servers to connect to OpenTok platform

## Commercial Terms

- Available to Premium & Enterprise customers
- [Contact us](#) to learn more and enable Configurable TURN for your account

## Technical Specifications

Client-side API available in client SDKs v2.13 or higher (JavaScript, iOS & Android)

API allows configuration of

- Custom TURN servers to override OpenTok TURN servers
- Custom TURN servers as fallback to OpenTok Media servers and TURN servers

Scope of Configurable TURN API is to guarantee connectivity for media traffic only. We will continue to explore ways to solve this for HTTP traffic also.

## How does it work?

### Without Configurable TURN

When no firewall traversal is required



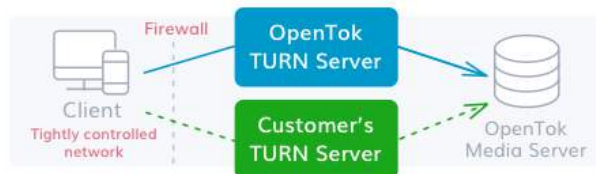
When firewall traversal is required



### With Configurable TURN

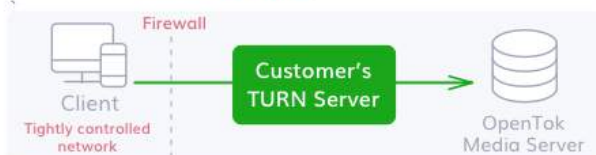
#### FOR RELIABILITY & ROBUSTNESS

Custom TURN servers as fallback to OpenTok TURN servers



#### FOR SECURITY

Custom TURN servers to override OpenTok TURN servers



## Contact us

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