

Socket.io

What is Socket.io

- Socket.IO enables real-time, bidirectional and event-based communication. It works on every platform, browser or device, focusing equally on reliability and speed.
- Socket.IO is a tool in the Realtime Backend / API category of a tech stack.
- Socket.IO is an open source tool with 52.5K GitHub stars and 9.5K GitHub forks.
- SocketIO is built on top of the WebSocket protocol (RFC 6455).

When we use Socket io



Real-time analytics

Push data to clients that gets represented as real-time counters, charts or logs.



Instant messaging and chat

Socket.IO's "Hello world" is a chat app in just a few lines of code.



Binary streaming

Starting in 1.0, it's possible to send any blob back and forth: image, audio, video.



Document collaboration

Allow users to concurrently edit a document and see each other's changes.

Websocket vs Rest API

Web socket	Rest API
Use of HTTP occurs in initial connection.	HTTP is a common protocol in RESTful web services.
Bi directional	Uni directional
It is Stateful protocol. It will store the data.	It is Stateless protocol. It will not store the data.