

Socket.io Basics



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Overview



WebSockets

Main Features

Who is Using

Other Use Cases



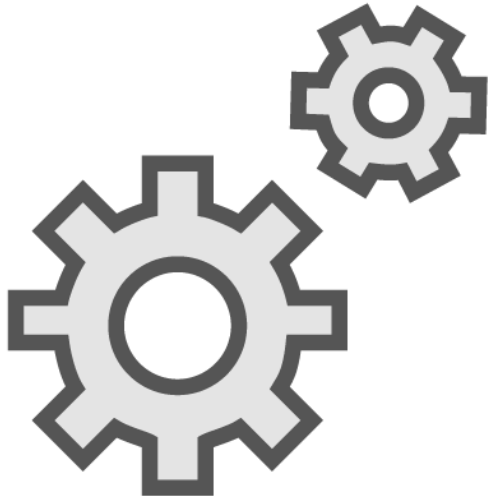
What is Socket.io



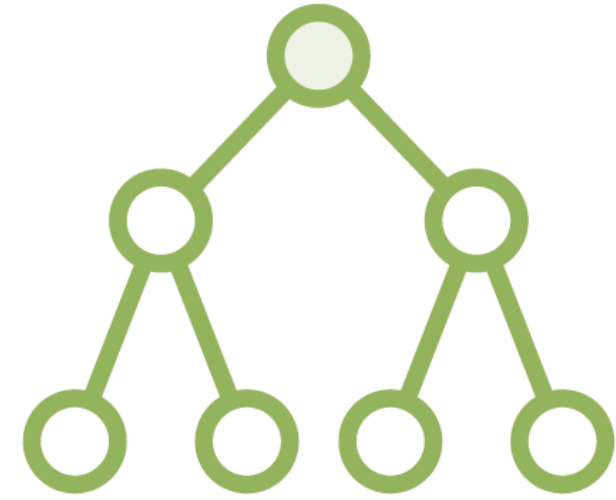
Built with Websockets



Socket.io & WebSockets



**Socket.io uses
Engine.io**



**Engine.io uses
WebSockets**

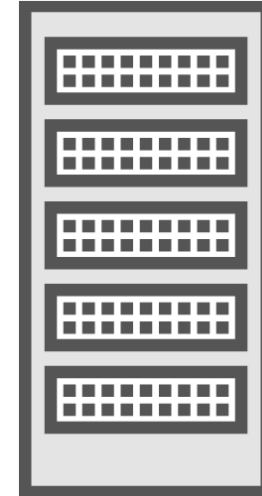
WebSockets



Client



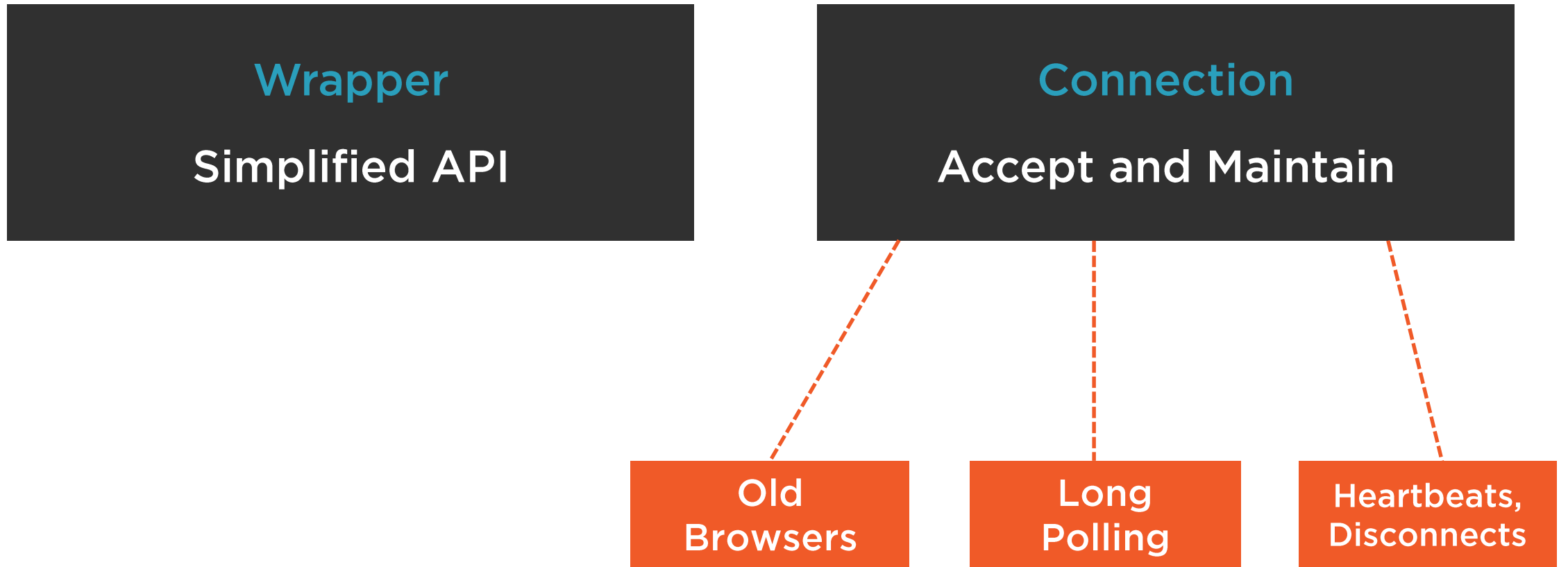
Initiated with
Handshake



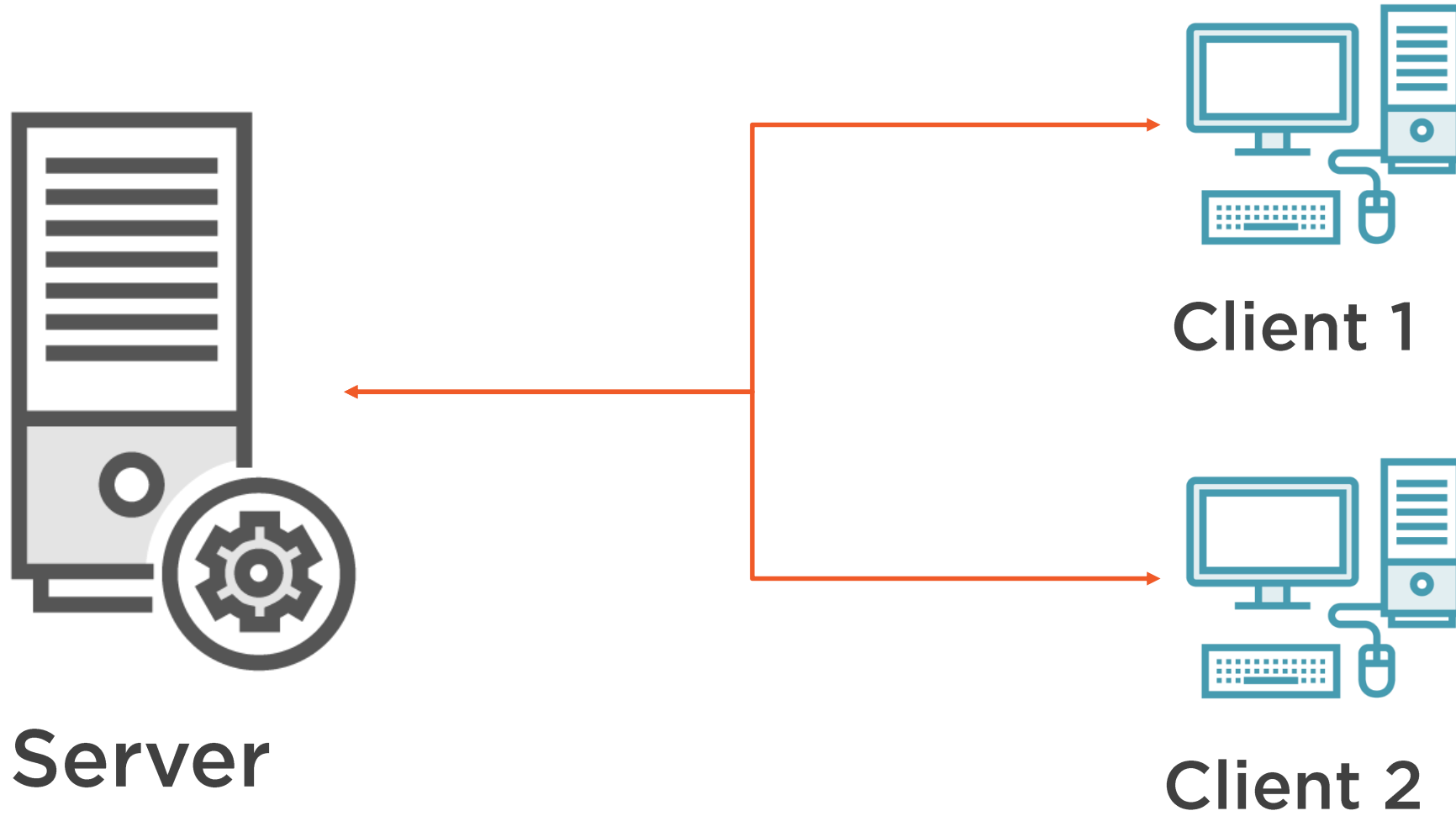
Server



Problems Socket.io Solves



Scaling



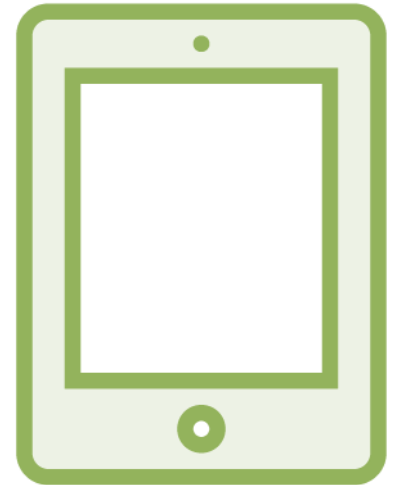
Browser Support



Smartphone




Desktop



Tablet



Browser Support

Web Sockets  - LS

Global87.17% + 0.48% = 87.65%

unprefixed:87.17% + 0.4% = 87.57%

Bidirectional communication technology for web apps

Current aligned

Usage relative

Show all

IE	Edge	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini	Android Browser	Chrome for Android
			29						
			45					4.3	
8			48					4.4	
9		45	49	9		8.4		4.4.4	
11	13	46	50	9.1	36	9.2	8	47	49
	14	47	51	TP	37	9.3			
		48	52		38				
		49	53						

<http://caniuse.com/#feat=websockets>



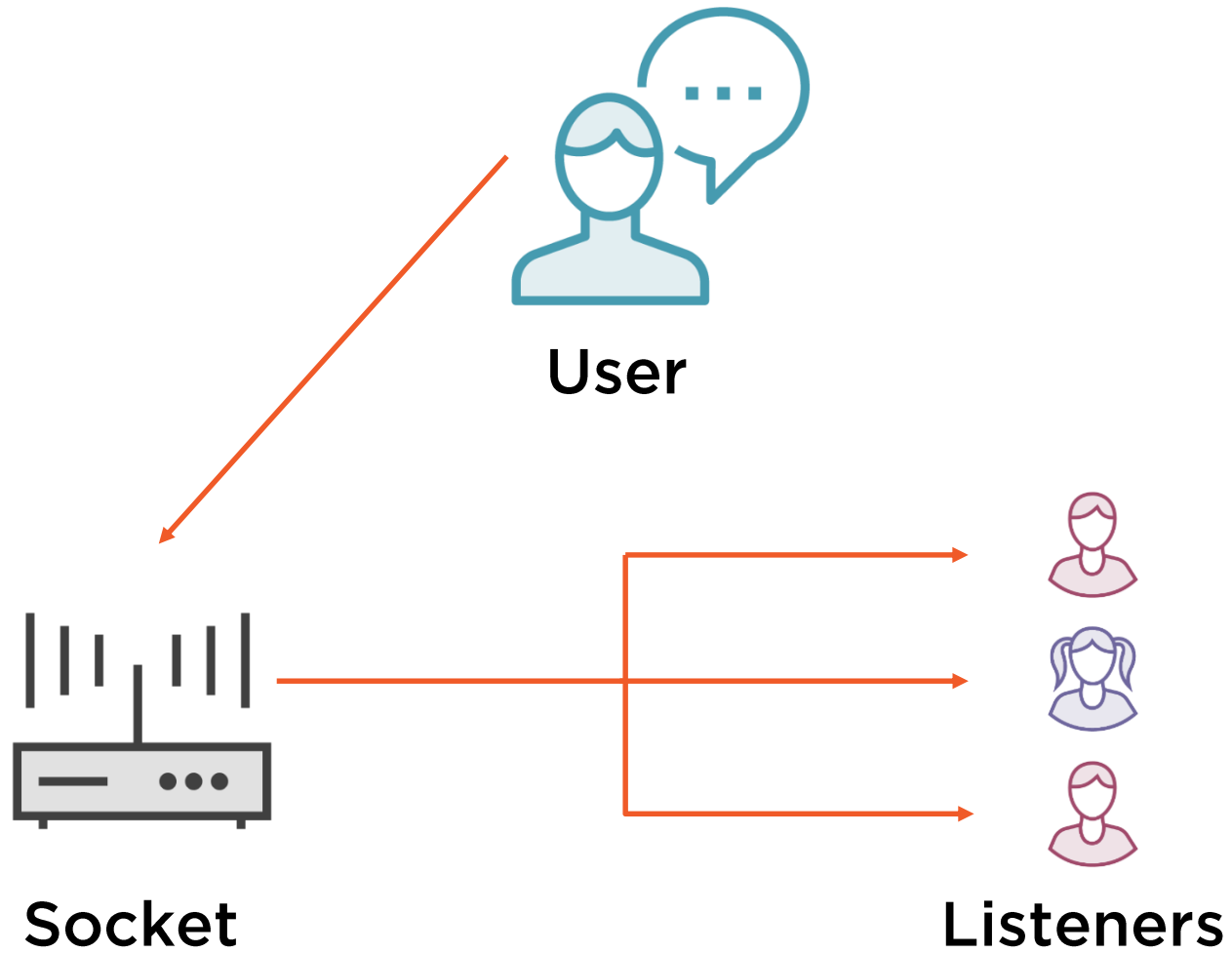
Socket.io Features



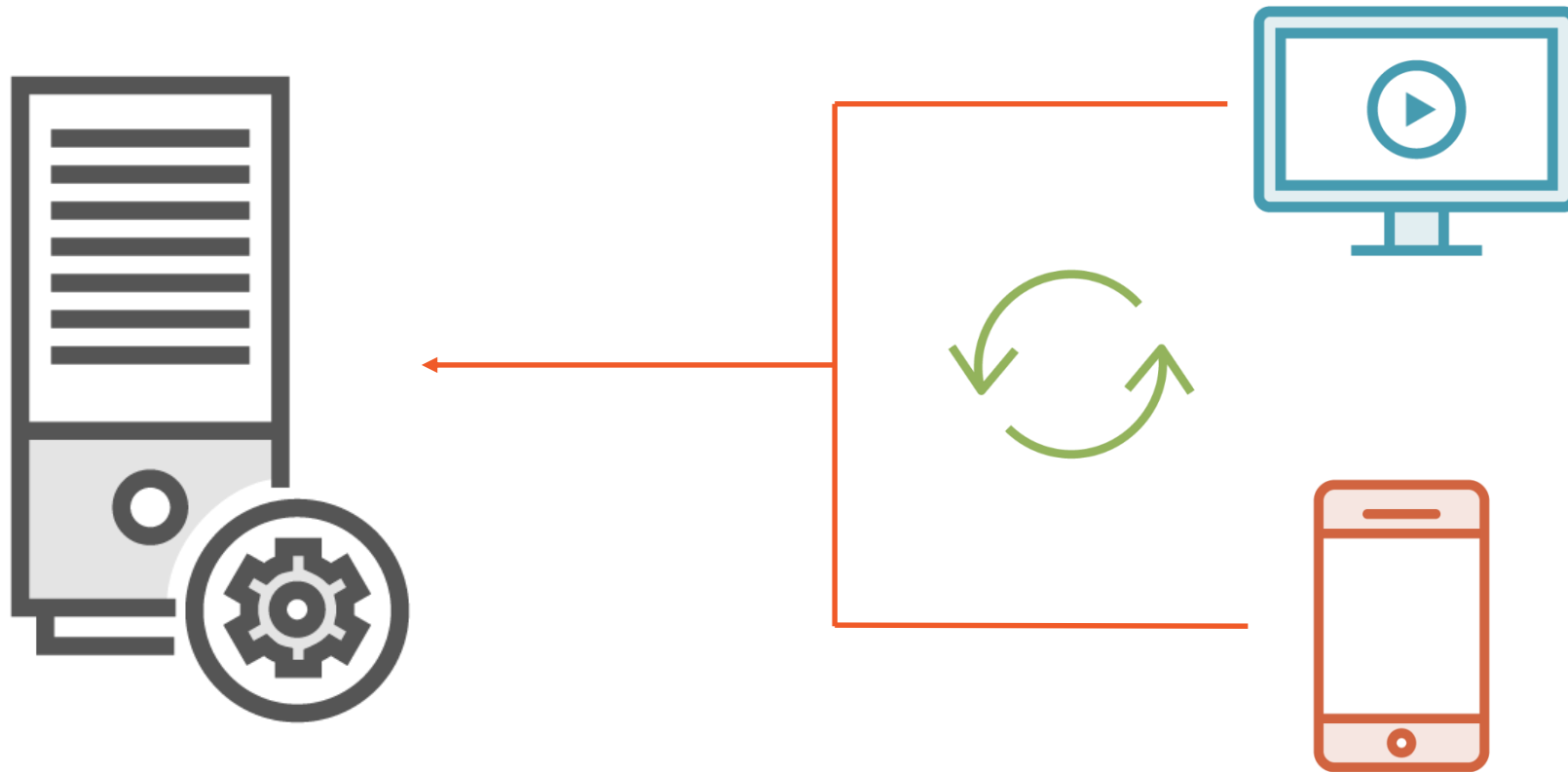
Socket.IO is event-based and
bi-directional



Socket Connection



Open Connection



```
{  
  buy: 2940.03,  
  high: 2970,  
  low: 2901,  
  market: "btccny",  
  open: 2930.15  
}
```

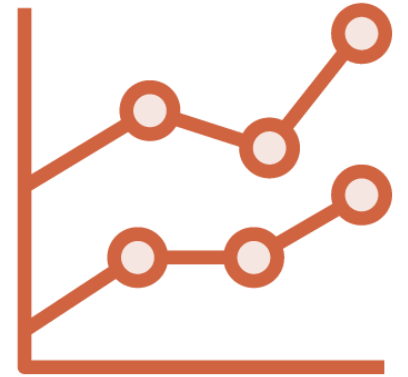
JSON Example



Low Latency



Messages and Data



Best With
Chat, Analytics,
Notifications



Socket.io Uses



Examples

Products

- Office, Yammer, Zendesk, and Trello

Notifications

- Facebook and Twitter

Dashboards

- Analytics

Group Connections

- Games
- Events
- Gambling
- Trading
- Forms



Summary



Built for Node.js

Works over Websockets

Uses JSON

Products

