

Creating JS applications using the WebSocket protocol

Course code: JS_WEBSOCKET

This course is designed for intermediate JavaScript programmers who need more than the HTTP Request/Response model in their applications. WebSocket protocol allows the server to notify one or more clients or stream data.

Attendees will learn about the use of this protocol in web postings. This course assumes knowledge of JavaScript at the [JS_PROG2] course level.

Affiliate	Duration	Course price	ITB
Praha	2	11 000 Kč	20
Brno	2	11 000 Kč	20
Bratislava	2	440 €	20

The prices are without VAT.

Course terms

Date	Duration	Course price	Type	Course language	Location
 12.11.2026	2	440 €	Telepresence	CZ/SK	GOPAS Bratislava
 12.11.2026	2	11 000 Kč	Telepresence	CZ/SK	GOPAS Praha
 12.11.2026	2	11 000 Kč	Telepresence	CZ/SK	GOPAS Brno

The prices are without VAT.

For whom the course is intended

- This course is intended for JS programmers who know JavaScript at the [JS_PROG2] course level.

What we will teach you

- Open and use a web socket on both the server and client side
- Create a WebSocket client in the browser and in Node.js
- Make broadcasts and use streams

Prerequisite skills

- JavaScript at course level [JS_PROG2]

Course outline

WS protocol

- WS server
- Node.js, npm and the ws package
- WebSocketServer class
- Event response
- connect
- message
- error

WS client

- Browser vs Node.js
- WebSocket class
- Client authentication
- Point to point communication
- Server broadcast
- Duplex and streaming

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Use/share an existing HTTP server

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