

JavaScript - Creating Web Services and REST APIs

Course code: JS_WS

The web services course will teach you how to create and process web services, both on the backend and frontend side. In the course, we will discuss basic and advanced techniques for processing http requests, including the use of authorization headers. In the course, we will focus on both the classic REST API and the processing of realtime data from web sockets using the rxjs javascript library.

Affiliate	Duration	Course price	ITB
Praha	2	15 400 Kč	20
Brno	2	15 400 Kč	20
Bratislava	2	660 €	20

The prices are without VAT.

Course terms

Date	Duration	Course price	Type	Course language	Location
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The prices are without VAT.

What we will teach you

- we will discuss basic and advanced techniques for processing http requests, including the use of authorization headers.
- we will focus on both the classic REST API and the processing of realtime data from web sockets using the rxjs javascript library.
- Use Callbacks, Promises, Observables, REST API, SOAP and Realtime data

For whom the course is intended:

- The course is intended for developers who need to solve the communication between the server and the frontend application.

Required entry skills

- Basic knowledge of JavaScript programming at the level of the INTJS course is assumed

Teaching methods

- Expert interpretation with practical examples, exercises on computers.

Studying materials

- Online presentation of discussed material and exercises.

Course outline

Introduction to Web Services Theory

- REST API
- SOAP
- WEB SOCKETS

Construction in javascript language

- Asynchronous vs synchronous javascript
- Blocking vs. non-blocking
- Event loop
- Callbacks
- Promises
- Async/await

GOPAS Praha

Kodaňská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

GOPAS Brno

Nové sady 996/25
602 00 Brno
Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk



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JavaScript - Creating Web Services and REST APIs

- Observables

Communication with the backend

- HTTP GET/POST/PUT/DELETE

GOPAS Praha
Kodaňská 1441/46
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