JSON Fundamentals

Audience Course JSON Fundamentals

The course **JSON** Fundamentals is designed for developers, systems analysts, and system administrators who want to learn the basic concepts of JSON and its applications.

Prerequisites Course JSON Fundamentals

General computer skills and basic knowledge of the Internet are required to participate in this course.

Realization Training JSON Fundamentals

The theory is treated on the basis of presentation slides. The theory is clarified through demos and interspersed with exercises. The course times are from 9.30 up and to 16.30.
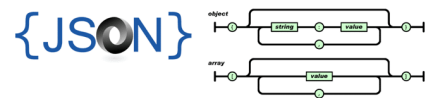
Certificate course JSON Fundamentals

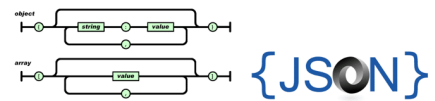After successfully completing the course, the participants receive a certificate JSON Fundamentals.

Duration: 1 day   **Price: € 699**

Open Schedule

JSON Fundamentals

Content Course JSON Fundamentals

In the course JSON Fundamentals participants learn the basics of the JSON data format and gain a thorough understanding of the application of JSON in REST Services and configuration files.

JSON Introduction

The course JSON Fundamentals starts with an explanation of the JSON standard and its different versions. Subsequently the close relationship between JavaScript and JSON, which is the abbreviation of JavaScript Object Notation, is discussed.

JSON Syntax

Attention is paid to the syntax of JSON documents where data consists of names linked to values, different data elements are separated by commas, objects are surrounded by braces and square brackets contain arrays.

JSON Validity

Validating JSON documents with JSON Schema is also covered. The difference between syntactic and semantic validation is treated. And the different data types that JSON Schema knows, such as numbers, objects, arrays and enumerated values are discussed.

JSON Processing

Finally the use of JSON for Web APIs is on the schedule of the course JSON Fundamentals. Attention is also be paid to search possibilities with JSON and to the transformation of JSON data to other data formats such as HTML.

Modules Course JSON Fundamentals

Module 1 : JSON Introduction	Module 2 : JSON Syntax	Module 3 : JSON Validity
JSON Standard	JSON Data Types	Syntactic Validation
Why JSON?	JSON Value Types	Semantic Validation
JSON and JavaScript	JSON Nesting	What Is JSON Schema?
JavaScript Objects	JSON MIME Type	Comparison to XML Schema
JSON Generators	JSON Objects	JSON Schema Types
JSON Stringifier	JSON Arrays	Basic Types
JSON Parser	JSON Comments	Numbers
Core JSON	JSON Serialization	Arrays
JSON Versions	toJSON()	Enumerated Values
JSON File Type	JSON Deserialization	Objects
JSON Style Guidelines	Using eval	Pattern Properties

Module 4 : JSON Processing
JSON Web API's
JSON Search
Libraries and Tools
JSON Search Libraries
JSON Search Tools
JSON Path
JSON Pointer
JSON Transform
JSON-to-HTML
Transform Libraries
JSON-to-JSON Transform