

JSON Schema

Audience Course JSON Schema

The course [JSON Schema](#) is intended for project leaders, systems analysts, application developers and system administrators who want to learn the basic concepts of JSON Schema and the applications of JSON Schema.

Prerequisites Course JSON Schema

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

Realization Training JSON Schema

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

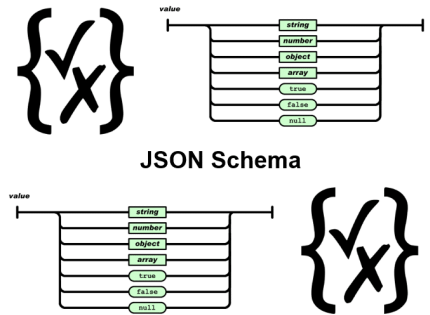
Certificate JSON Schema

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

Duration: 2 days

Price: € 1399

[Open Schedule](#)



Content Course JSON Schema

The course JSON Schema covers the syntax and usage of the JSON Schema language for validating JSON data and JSON documents with respect to content model and data types.

JSON Overview

The course JSON Schema starts with an overview of the syntax of JSON (JavaScript Object Notation). The JSON basic structure with name-value pairs, objects and arrays is discussed. JSON Serialization and Deserialization are also covered.

JSON Data Types

Next attention is paid to JSON Data Types. All possible data types in JSON with their possible values are reviewed.

JSON Schema

Then the course proceeds with explaining how JSON Schemas are defined with a unique identifier. The JSON Schema Reference and type-specific and generic keywords are covered.

Objects and Arrays

The program of the course JSON Schema also contains the restrictions that can be imposed on the data types objects and arrays. For example object properties can be enforced to conform to certain patterns and the length of an array can be limited.

Schema Composition

Subsequently combining JSON Schemas by means of Schema Composition is discussed. Also covered is how subschemas can be applied conditionally with if then else constructs.

Complex Schemes

Finally the course JSON Schema also covers complex schemas with JSON pointers, references, anchors and recursion.

Modules Course JSON Schema

Module 1 : JSON Overview	Module 2 : JSON Data Types	Module 3 : JSON Schema
JSON Standard JSON and JavaScript JSON Syntax JSON Data Name Value Pairs Data Comma Separated Objects in Braces Arrays in Bracket JSON Serialization JSON Deserialization Parsing JSON	JSON Objects JSON Arrays JSON Numbers JSON Strings JSON Comments JSON File Type JSON MIME Type JSON Enumerated Types Characters and Digits Booleans and null White Space	What is JSON Schema? Declaring a JSON Schema Declaring Unique Identifier JSON Schema Reference Type Specific Keywords Regular Expressions Numeric Types Multiples and Ranges Generic Keywords Annotations Constant values
Module 4 : Objects and Arrays	Module 5 : Schema Composition	Module 6 : Complex Schema's
Object Properties Pattern Properties Additional Properties Required Properties Property Names Array Items Tuple Validation Unevaluated Items Array Contains Array Length Uniqueness	Schema Composition Properties allOf and anyOf oneOf and not Applying Subschemas Conditionally dependentRequired dependentSchemas If-Then-Else Implication Declaring a Dialect \$schema Vocabularies	Structuring Complex Schema's Schema Identification Base URI Retrieval URI \$id JSON Pointer \$anchor \$ref and \$defs Recursion Extending Recursive Schemas Bundling