Swagger is **an Interface Description Language for describing RESTful APIs expressed using JSON**. Swagger is used together with a set of open-source software tools to design, build, document, and use RESTful web services.

The OpenAPI Specification (OAS) defines a standard, language-agnostic interface to RESTful APIs which allows both humans and computers to discover and understand the capabilities of the service without access to source code, documentation, or through network traffic inspection. When properly defined, a consumer can understand and interact with the remote service with a minimal amount of implementation logic.

##### **OpenAPI Document**

A document (or set of documents) that defines or describes an API. An OpenAPI definition uses and conforms to the OpenAPI Specification.

##### **Path Templating**

Path templating refers to the usage of template expressions, delimited by curly braces ({}), to mark a section of a URL path as replaceable using path parameters

**Differences between YAML and JSON are:**

|  |  |
| --- | --- |
| YAML | JSON |
| Comments are denoted with a hash/number sign. | Comments are not allowed. |
| Hierarchy is denoted by using double space characters. Tab characters are not allowed. | Objects and Arrays are denoted in braces and brackets. |
| String quotes are optional but it supports single and double quotes. | Strings must be in double quotes. |
| Root node can be any of the valid data types. | Root node must either be an array or an object. |