



raw data → meaningless

person1, 20-8-2010, 306502, pune

||
serialization

information — ↓ ↓ meaningful

<pre><person> <name>p1</name> <bdate>...</bdate> ... </person></pre>	<pre>{ "name": "p1", ... }</pre>	<pre>- name: p1 birthDate: 20-8-2010 address: pune ...</pre>
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XML

JSON

YAML

developers

YAML

Overview



- YAML is the abbreviated form of “YAML Ain’t Markup Language”
- It is a data serialization language which is designed to be human -friendly and works well with other programming languages for everyday tasks
- It's often used as a format for configuration files
- It's also easy to for humans to read, which is why it's a good choice for configuration
- It is useful to manage data and includes Unicode printable characters

Features

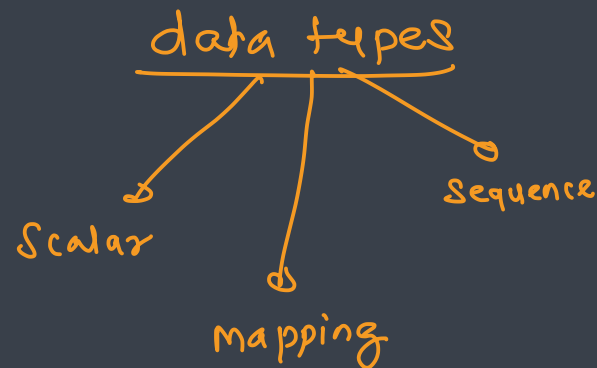


- Matches native data structures of agile methodology and its languages such as Perl, Python, PHP, Ruby and JavaScript
- YAML data is portable between programming languages
- Includes data consistent data model
- Easily readable by humans
- Supports one-direction processing
- Ease of implementation and usage

Basics



- YAML is case sensitive
- The files should have .yaml or .yml as the extension
- YAML does not allow the use of tabs while creating YAML files; spaces are allowed instead ✖ ✖ ✖
- Comment starts with #
- Comments must be separated from other tokens by whitespaces



Scalars



- Scalars in YAML are written in block format using a literal type
- E.g.
 - Integer
 - 20
 - 40
 - String
 - Steve
 - "Jobs"
 - 'USA'
 - Float
 - 4.5
 - 1.23015e+3

Mapping



- Represents key-value pair
- The value can be identified by using unique key
- Key and value are separated by using colon (:)
- E.g.

name: person1
address: "India"
phone: +9145434345
age: 40 → Integer
hobbies:
- reading
- playing

key

string

sequence

Sequence



- Represents list of values
- Must be written on separate lines using dash and space
- Please note that space after dash is mandatory
- E.g.

^{space}
pet animals

- cat

- dog

programming languages

- C

- C++

- Java

Sequence



- Sequence may contains complex objects
- E.g.
 - products:
 - **title**: product 1
price: 100
description: good product
 - **title**: product 2
price: 300
description: useful product

JSON

```
{  
  "name": "pi",  
  "age": 40,  
  "address": "pune"  
}
```

⇒

YAML

```
- name: pi  
  age: 40  
  address: pune
```