QuickRef.ME



Introduction

YAML

This is a quick reference cheat sheet for understanding and writing YAML format configuration files.

Getting Started

YAML is a data serialisation language designed to be directly writable and readable by humans

- YAML does not allow the use of tabs
- Must be space between the element parts
- YAML is CASE sensitive
- End your YAML file with the .yaml or .yml extension
- YAML is a superset of JSON
- Ansible playbooks are YAML files

```
n1: 1  # integer
n2: 1.234  # float

s1: 'abc'  # string
s2: "abc"  # string
s3: abc  # string
b: false  # boolean type
```

```
d: 2015-04-05 # date type
                                   ↓ Equivalent JSON
{
  "n1": 1,
  "n2": 1.234,
  "s1": "abc",
  "s2": "abc",
  "s3": "abc",
  "b": false,
  "d": "2015-04-05"
}
                                                                                Variables
some_thing: &VAR_NAME foobar
other_thing: *VAR_NAME
                                   ↓ Equivalent JSON
{
  "some_thing": "foobar",
  "other_thing": "foobar"
}
                                                                               Comments
# A single line comment example
# block level comment example
# comment line 1
# comment line 2
# comment line 3
                                                                           Multiline strings
description:
  hello
  world
                                   ↓ Equivalent JSON
{"description": "hello\nworld\n"}
                                                                              Inheritance
```

```
parent: &defaults
  a: 2
  b: 3
child:
  <<: *defaults
  b: 4
                                   ↓ Equivalent JSON
{
  "parent": {
   "a": 2,
   "b": 3
 },
  "child": {
   "a": 2,
    "b": 4
  }
}
                                                                               Reference
```

```
values: &ref
  - Will be
  - reused below
other_values:
  i_am_ref: *ref
                                   ↓ Equivalent JSON
{
  "values": [
   "Will be",
   "reused below"
  "other_values": {
   "i_am_ref": [
      "Will be",
      "reused below"
    ]
 }
}
```

https://quickref.me/yaml 3/11

Folded strings

YAML Collections

```
hr: 65  # Home runs
avg: 0.278  # Batting average
rbi: 147  # Runs Batted In
```

- [4, 5, 6]

- 7

```
31/10/2023, 12:30
                                             YAML Cheat Sheet & Quick Reference
    {
      "hr": 65,
      "avg": 0.278,
                                                                            Mapping to Sequences
    attributes:
      - a1
      - a2
    methods: [getter, setter]
                                         ↓ Equivalent JSON
    {
      "attributes": ["a1", "a2"],
      "methods": ["getter", "setter"]
    }
                                                                            Sequence of Mappings
    children:
      - name: Jimmy Smith
        age: 15
      - name: Jimmy Smith
        age: 15
        name: Sammy Sosa
        age: 12
                                         ↓ Equivalent JSON
    {
      "children": [
        {"name": "Jimmy Smith", "age": 15},
        {"name": "Jimmy Smith", "age": 15},
        {"name": "Sammy Sosa", "age": 12}
      ]
    }
                                                                            Sequence of Sequences
    my_sequences:
      - [1, 2, 3]
```

```
### Cheat Sneet & Quick Reference

- 8
- 9
- 0

↓ Equivalent JSON

{

"my_sequences": [
    [1, 2, 3],
    [4, 5, 6],
    [7, 8, 9, 0]
    ]
}
```

```
Jack:
id: 1
name: Franc
salary: 25000
hobby:
- a
- b
location: {country: "A", city: "A-A"}
```

```
{
   "Jack": {
      "id": 1,
      "name": "Franc",
      "salary": 25000,
      "hobby": ["a", "b"],
      "location": {
            "country": "A", "city": "A-A"
      }
   }
}
```

YAML Reference

Terms • Sequences aka arrays or lists • Scalars aka strings or numbers • Mappings aka hashes or dictionaries Based on the YAML.org refcard. Document indicators % Directive indicator Document header Document terminator Collection indicators Key indicator Value indicator Nested series entry indicator Separate in-line branch entries Surround in-line series branch [] {} Surround in-line keyed branch Alias indicators Anchor property & Alias indicator Special keys Default "value" mapping key Merge keys from another mapping <<

1

2023, 12:30	YAML Cheat Sheet & Quick Reference	
	Scalar indicators	
	Surround in-line unescaped scalar	
1	Surround in-line escaped scalar	
	Block scalar indicator	
>	Folded scalar indicator	
-	Strip chomp modifier (- or >-)	
+	Keep chomp modifier (+ or >+)	
1-9	Explicit indentation modifier (1 or >2). Modifiers can be combined (2-, >+1)	

	Tag Property (usually unspecified)
none	Unspecified tag (automatically resolved by application)
!	Non-specific tag (by default, !!map/!!seq/!!str)
!foo	Primary (by convention, means a local !foo tag)
!!foo	Secondary (by convention, means tag:yaml.org,2002:foo)
!h!foo	Requires %TAG !h! <prefix> (and then means <prefix>foo)</prefix></prefix>
! <foo></foo>	Verbatim tag (always means foo)

Throwaway comment indicator

`@ Both reserved for future use

!!map {Hash table, dictionary, mapping}
!!seq {List, array, tuple, vector, sequence}
!!str

- Escape Codes

Numeric

\x12 (8-bit) \u1234 (16-bit)

\U00102030 (32-bit)		
Protective		
\\ (\)	\" (")	\ ()
\ <tab> (TAB)</tab>		
С		
\0 (NUL)	\a (BEL)	\b (BS)
\f (FF)	\n (LF)	\r (CR)
\t (TAB)	\v (VTAB)	
Additional		
\e (ESC)	_ (NBSP)	\N (NEL)
\L (LS)	\P (PS)	

More types
{cherries, plums, apples}
[one: 1, two: 2]

	Language Independent Scalar Types
{~, null}	Null (no value).
[1234, 0x4D2, 02333]	[Decimal int, Hexadecimal int, Octal int]
[1_230.15, 12.3015e+02]	[Fixed float, Exponential float]
[.inf,Inf, .NAN]	[Infinity (float), Negative, Not a number]
{Y, true, Yes, ON}	Boolean true
{n, FALSE, No, off}	Boolean false

Also see

YAML Reference Card (yaml.org)
Learn X in Y minutes (learnxinyminutes.com)
YAML lint online (yamllint.com)

Related Cheatsheet

ES6 Cheatsheet

Quick Reference

Quick Reference

JSON Cheatsheet Kubernetes Cheatsheet

Quick Reference Quick Reference

Recent Cheatsheet

Remote Work Revolution Cheatsheet Homebrew Cheatsheet

Quick Reference Quick Reference

PyTorch Cheatsheet Taskset Cheatsheet

Quick Reference Quick Reference

© 2023 QuickRef.ME, All rights reserved.