

YAML in Practice



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Overview



YAML in everyday life

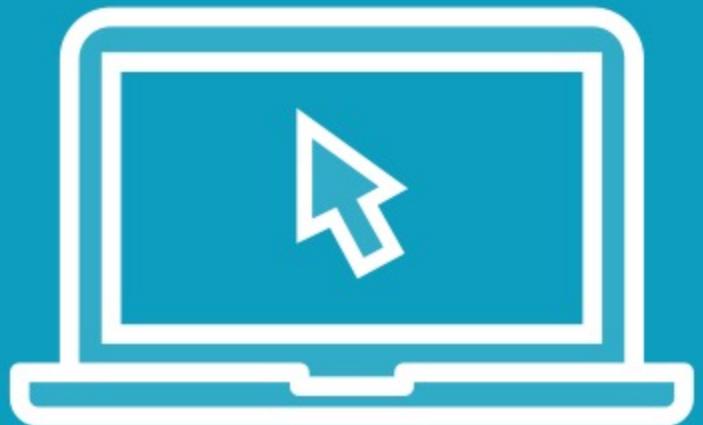
- Kubernetes
- Docker Compose
- Pipeline tools

Compare YAML and JSON

Compare YAML and XML



Demo



Unscramble Kubernetes config file



YAML vs JSON

YAML

**Can be parsed with a YAML
Comments with a #**

**Objects and lists are denoted with
indentation or {} and []**

**String quotes are optional, can be
double or single**

Root node can be any valid data type

Standard for configuration

JSON

**Can be parsed with a YAML parser
Comments not allowed**

**Objects and lists are denoted with {}
and []**

**String quotes are mandatory, must be
double quotes**

Root node must be object or list

Standard for APIs



YAML vs XML

YAML

Data serialization language

Easier to read

Querying YAML relies on many different external tools

Typically, preferred option for configuration

XML

Markup language

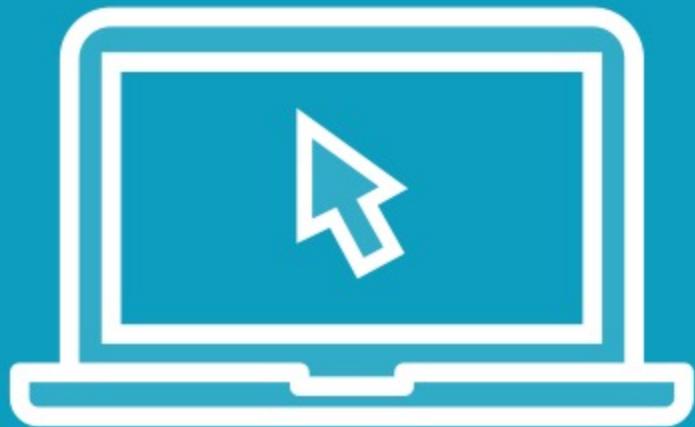
Harder to read

Well established options to query data in XML file

Decreasing in popularity because of JSON and YAML



Demo



Have a look at three files containing the same data

- JSON
- YAML
- XML



Summary



YAML usage

Basic building blocks

Parsing YAML

YAML in the wild



A photograph of two young women in an office setting. One woman, wearing a white and black striped shirt, is standing and cheering with her arms raised. The other woman, wearing a light blue button-down shirt, is seated at a desk with a laptop, also cheering with her arms raised. They appear to be celebrating a success or achievement. A green vertical bar is positioned to the left of the text.

Good luck on your YAML journey!