What are we going to see in this session?

- Why YAML ?
- YAML Basics
- Dictionary Representation

Why YAML

- YAML – Yet Another Markup Language
- We use YAML because it is easier for humans to read and write than other common data formats like XML or JSON.
- We use .yml as an extension for configuration file or scripts written in YAML language.

YAML Basics

- All YAML files (regardless of their association with Ansible or not) can optionally begin with [---] and end with […]

- This is part of the YAML format and indicates the start and end of a document.

- Example :

```
---
# A list of tasty fruits
- Apple
- Orange
- Strawberry
- Mango
...
```

- Here you can see all the members of a list are eventually beginning with a dash and a space "-"

Dictionary Representation

- Ansible allows you to represent dictionary format.

- It can declare in very simple form key: value [The colon must be followed by a space]

- In below example you can see how an employee record is represented in YAML.

- Martine is an employee, and you can see how his details are registered dictionary format.

```
# An employee record
martin:
    name: Martin D'vloper
    job: Developer
    skill: Elite
```

- More complicated data structure are also possible.

```
# Employee records
-  martin:
    name: Martin D'vloper
    job: Developer
    skills:
        - python
        - perl
        - pascal
-  tabitha:
    name: Tabitha Bitumen
    job: Developer
    skills:
        - lisp
        - fortran
        - erlang
```

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Cont.

Dictionaries and lists can also be represented in an abbreviated form if you really want it to be.

```
---
martin: {name: Martin D'vloper, job: Developer, skill: Elite}
```

We can also use Boolean values(true/false) in several forms.

```
create_key: yes
needs_agent: no
knows_oop: True
likes_emacs: TRUE
uses_cvs: false
```

You can see the complete combinations below of what we have learned so far.

```
---
# An employee record
name: Martin D'vloper
job: Developer
skill: Elite
employed: True
foods:
    - Apple
    - Orange
    - Strawberry
    - Mango
languages:
    perl: Elite
    python: Elite
    pascal: Lame
```

End of this topic !

Any questions?