

27th Jan 2022

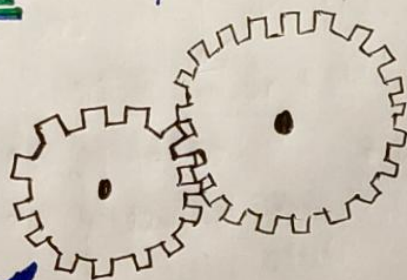
ANSIBLE

IT admin/op Ansible
↳ Automation
↳ Simple

Install
Run a program } Configuration

IT guys have to do these steps again and again for different operating systems. Installing, Running an application (prog) manually at twice, twice is OKAY!! But if we have to do these (same steps) again and again than that works becomes a hectic than there are more chances of mistakes so in that we need to automate that part which is repeating.

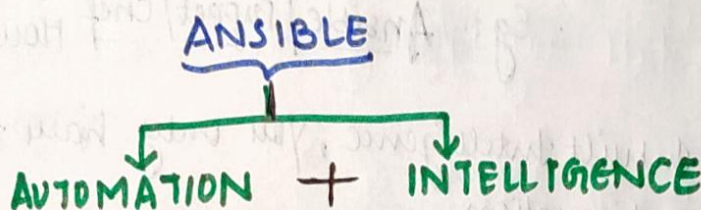
AUTOMATION



Manually doing works, things become slower and full of errors. So that's why we do all the things in a automated manner.

ANSIBLE → AUTOMATION WRT CONFIGURATION

Ansible is not helping us only for automation. Ansible is used/famous for something else other than automation:



* If you want to configure something. Write a **script** and use that **script** everywhere.

program file (script)
↓ contains
CODE

If you write a code in python, perl, ruby, they work on the concept of Imperative language

NOTE :- If you don't know OS respective command then it's impossible to do configuration.

IMPERATIVE LANGUAGE } → 1) WHAT TO DO → which software to install
2) HOW TO DO → How to install that software

* Script always helps us to automate the things it never helps us to find new commands.
↓
detect

* Scripts are manually Hand coded.

DECLARATIVE LANGUAGE } → What to do

Eg:- Ansible / Puppet / Chef ↓ How to do ✗

Has Inbuilt Intelligence, you only have to declare the configuration.

After writing the code in Ansible you don't have to mention the base OS. Ansible is intelligent enough to detect the base OS.

CONFIGURATION MANAGEMENT (CM)

Manual

Automation

Imperative

Declarative

• What to do

• What to do

• How to do

*** WRITE ONCE RUN ANYWHERE (WORA)**