**Ansible Documentation**

Terraform 🡪 service orchestration and provisioning tool 🡪 provision the server instances 🡪 use declarative task (knowing what)

Ansible 🡪 configuration management (CM) 🡪 ensure that all the servers meet the desired state 🡪 use procedural task (knowing how)

Ansible automates cloud provisioning, configuration management, application deployment, intra-service orchestration, and many other IT needs

Ansible uses SSH connection to orchestrate all the tasks

Ansible part:

* Modules: Ansible modules enables you connecting to your nodes. Modules can directly be executed on remote nodes or via playbooks. You can write your own custom modules as well. Modules can control system resources like services, software's and/or files etc. Ansible modules are also called as task plugins. Ansible removes modules from remote systems when task finished.
* Inventory: Inventory is just another text file where you keep the IP addresses or hostnames of your remote servers you want to manage. They can be in grouped together as per your preference in INI or YAML files.
* Playbooks: Ansible scripts which executes tasks in an order are known as Playbooks.
* Plugins: While modules execute on the target system in separate processes, plugins execute on the control node within the /usr/bin/ansible process. Plugins are responsible for - transforming data, logging output, connecting to inventory, and more.

**Installing Nginx with Ansible Playbook to Vagrant VM**

1. Buat file ansible: inventory (list host), provision (connecting host dan role), role (list task)
2. Buat public dan private key untuk VM
3. Jalankan file yaml ansible