**Part 1**

**Installing ansible**

What is Ansible:

Ansible is an automation tool which is know for its simplicity of installation.

It does not have agents working on different machines and uses ssh for connectivity hence it is quite simple and easy to use.

Client details are stored in file called inventory files .once inventory files are created and populated it ,we can use ansible.

Why to use Ansible:

First and foremost, it is free and open source.

It does not need you to be an admin to use it.

It suits installing software and frameworks on large connected clusters and even among different clusters.

Here we will install vanilla Hadoop using anisble

Important terms used in Ansible ::

Ansible server : The machine where ansible is installed and from where all tasks and playbooks are will run.

Module : Commands or sets of commands used to be executed on client side.

Task : A section which consists of a single procedure to be completed.

Role : a way of organising tasks and related file to be used by playbook

Fact : Information fetched from clients related to global variables with gather facts operations.

Inventory : File containing data about ansible clients servers.

Play : execution of a playbook

Handler : Task which is called only if a notifier is present

Tag: Name set to task which can be used latter on to issue just that specific tasks or group of tasks.

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