**Ansible**

**Introduction**

Ansible is orchestration tool used for provisioning and deployment, which can be used in CI/CD pipeline using ansible jenkins plugin.

**Components**

**Playbook**

It is a yml file where we define targets, parameters and tasks/roles to be executed on target machine.

**Inventory file**

Hosts.yml is used as inventory file where we define target hosts details or hosts in target group. This file can be specified using -i option.

**Environment variables**These are variables which are used inside playbook, which can be modified at time of execution.

Example - ansible-playbook -i hosts.yml -e variablename=value playbook.yml

Ref: http://docs.ansible.com/

**Jenkins Ansible plugin**

This plugin is used in build block to execute ansible playbooks.

We need to specify playbook name, Git repo, inventory file and environment variables.

At time of build it will execute this ansible script.