

Various Important Configuration Management Tools

Puppet

CN, MN + Puppet DSL + SSL + Pull Theory + Requires Agent + CLI

Chef

CN, MN + Ruby, Erlang + SSL + Pull Theory + Requires Agent CLI

Saltstack

CN, MN + YAML + SSH + Push Theory + Requires Agent + CLI

Ansible

CN, MN + YAML + SSH + Push Theory + Agentless + CLI, GUI

Features and Benefits of Ansible

1. Completely Agentless
2. Widely Used across the industry
3. Works on Push Theory
4. Based on YAML, commonly used
5. RedHat Owned Tool
6. Documentation Available
7. Many modules available
8. Open Source
9. Secure, Uses SSH
10. Cross Platform
11. Easily Scalable
12. RedHat Support System available
13. Lightweight
14. Provides a WebGUI Platform
15. Easy and simple to learn and implement
16. Reusability
17. Idempotent in nature

Installation and Setup of Ansible

- Build your VMs
- Install "ansible-core" package on CN
- Set hostname of all machines accordingly
- Establish key-based SSH between the CN and all MNs
- Generate key on CN and copy it on all MNs