Ansible Tower

Ansible Tower is Ansible at a more enterprise level. It is a web-based solution for managing your organization with a very easy user interface that provides a dashboard with all of the state summaries of all the hosts, allows quick deployments, and monitors all configurations.

The tower allows you to share the SSH credentials without exposing them, logs all the jobs, manage inventories graphically and syncs them with a wide variety of cloud providers.

Ansible Tower is supported by the following operating systems:

- Red Hat Enterprise Linux 6 64-bit
- Red Hat Enterprise Linux 7 64-bit
- CentOS 6 64-bit
- CentOS 7 64-bit
- Ubuntu 12.04 LTS 64-bit
- Ubuntu 14.04 LTS 64-bit
- Ubuntu 16.04 LTS 64 bit

You should have the latest stable release of Ansible.

64-bit support required (kernel and runtime) and 20 GB hard disk.

Minimum 2 GB RAM (4+ GB RAM recommended) is required.

- 2 GB RAM (minimum and recommended for Vagrant trial installations
- 4 GB RAM is recommended /100 forks

For Amazon EC2: Instance size of m3.medium or larger is required for less than 100 hosts and if you have more than 100 hosts, then you require an instance size of m3.xlarge or larger.

For HA MongoDB setups, you can use the below formula for a rough estimate of the amount of space required.

Note: **The Ansible Tower has 3 different editions; the self-support, standard, and the premium edition**

Tower Features

Below are few of the Ansible Tower features:

- **Ansible Tower Dashboard –** The Ansible Tower dashboard displays everything going on in your Ansible environment like the hosts, inventory status, the recent job activity and soon.

- **Real-Time Job Updates –** As Ansible can automate the complete infrastructure, you can see real-time job updates, like plays and tasks broken down by each machine either been successful or a failure. So, with this, you can see the status of your automation, and know what'snextinthequeue.

- **Multi-Playbook Workflows –** This feature allows you to chain any number of playbooks, regardless of the usage of different inventories, utilizes various credentials, or runs different users.
- **Who Ran What Job When –** As the name suggests, you can easily know who ran what job where and when as, all the automation activity is securely logged in Ansible Tower.

- **Scale Capacity With Clusters –** We can connect multiple Ansible Tower nodes into an Ansible Tower cluster as the clusters add redundancy and capacity, which allow you to scale Ansible automation across the enterprise.
- **Integrated Notifications –** This feature lets you notify a person or team when a job succeeds or fails across the entire organization at once, or customize on a per-job basis.

- **Schedule Ansible Jobs –** Different kinds of jobs such as Playbook runs, cloud inventory updates, and source control updates can be scheduled inside Ansible Tower to run accordingtotheneed.

- **Manage & Track Inventory –** Ansible Tower helps you manage your entire infrastructure by letting you easily pull inventory from public cloud providers such as Amazon Web Services, Microsoft Azure, and more.

- **Self-Service –** This feature of Ansible Tower lets you launch Playbooks with just a single click. It can also, let you choose from available secure credentials or prompt you for variablesandmonitor-theresultingdeployments.

- **REST API & Tower CLI Tool –** Every feature present in Ansible Tower is available via Ansible Tower's REST API, which provides the ideal API for a systems management infrastructure. The Ansible Tower's CLI tool is available for launching jobs from CI systems such as Jenkins, or when you need to integrate with other command line tools.
- **Remote Command Execution –** You can run simple tasks such as add users, restart any malfunctioning service, reset passwords on any host or group of hosts in the inventory with Ansible Tower's remote command execution.

Step 1):Install Latest Ansible Software.

Step 2) Step **Installing PostgreSQL**

Use the below commands, to install PostgreSQL.

```
apt-get update
sudo apt-get install postgresql postgresql-contrib
```

Step 3) Open inventory file from Tower folder and change the file.

Step 4) Start ./setup.sh