**Ansible Tower Installation**

#### What is Ansible Tower?

Ansible Tower (Red Hat® Ansible® Tower) is web based GUI tool with which you can managing your infrastructure centrally and control most aspects of infrastructure Configurations.

**Ansible Tower is Ansible at a more enterprise level.** Centralize your Ansible infrastructure from a modern UI, featuring role-based access control, job scheduling, and graphical inventory management.

**Main feature that make Ansible Tower :**

* Clean dashboard
* Manage inventory dynamically
* Real time Job status
* Job scheduling
* Integrate internal notification
* Role base access control (RABAC)
* Audit job and Tower resource
* Adhok remote command access (built in module)
* Store credential safely for different tool
* REST API to take it further
* Self- service UI

#### Prerequisites To Install Ansible Tower

The following are the pre-requisites to install Tower:  
Ansible Tower is supported by the following operating systems:

* Red Hat Enterprise Linux 6 64-bit
* Red Hat Enterprise Linux 7 64-bit
* Red Hat Enterprise Linux 8 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**

**For Amazon EC2: Instance size of m4.large or larger is required**

#### **Step 1: Update system and add EPEL repository**

#### **Update Package Manager**

$ sudo yum -y update

#### **Install EPEL Repository on RHEL**

$ sudo dnf install <https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rpm> -y

#### **Confirm EPEL installation**

$ sudo dnf repolist epel

#### **Ansible Tower uses Ansible playbook to deploy itself so we also need Ansible installed.**

#### $ sudo yum -y install ansible vim curl

#### **Step 2: Download Ansible Tower archive**

Download the latest Ansible Tower release.

$ mkdir /tmp/tower && cd /tmp/tower

$ curl -k -O <https://releases.ansible.com/ansible-tower/setup/ansible-tower-setup-latest.tar.gz>

Extract downloaded archive.

$ tar xvf ansible-tower-setup-latest.tar.gz

#### **Step 3: Install Ansible Tower**

Navigate to the created directory.

$ cd ansible-tower-setup\*/

Edit inventory file to set required credentials(Admin Password & PG Password).

$ vim inventory

[tower]

localhost ansible\_connection=local

[database]

[all:vars]

admin\_password='admin123'

pg\_host=''

pg\_port=''

pg\_database='awx'

pg\_username='awx'

pg\_password='db@123'

pg\_sslmode='prefer' # set to 'verify-full' for client-side enforced SSL

# Isolated Tower nodes automatically generate an RSA key for authentication;

# To disable this behavior, set this value to false

# isolated\_key\_generation=true

# SSL-related variables

# If set, this will install a custom CA certificate to the system trust store.

**Installation of Ansible Tower.**

$ sudo ./setup.sh

**Start Ansible Tower**

$ sudo ansible-tower-service start

#### **Step 4: Configure Ansible Tower**

We will use the Web UI since this is the most preferred method by most new Ansible Tower users. Open your favorite browser point to your Ansible Tower **server IP or hostname via *https* protocol**.

Login as admin user and password set in the inventory file.  
Once you are logged in, you need to configure Ansible Tower license. Browse to the license file and accept the terms. **If you don’t have a license, get trial one** **[here](https://www.ansible.com/license).**