

Jenkins Ansible plugin Setup

Demo Document

edureka!

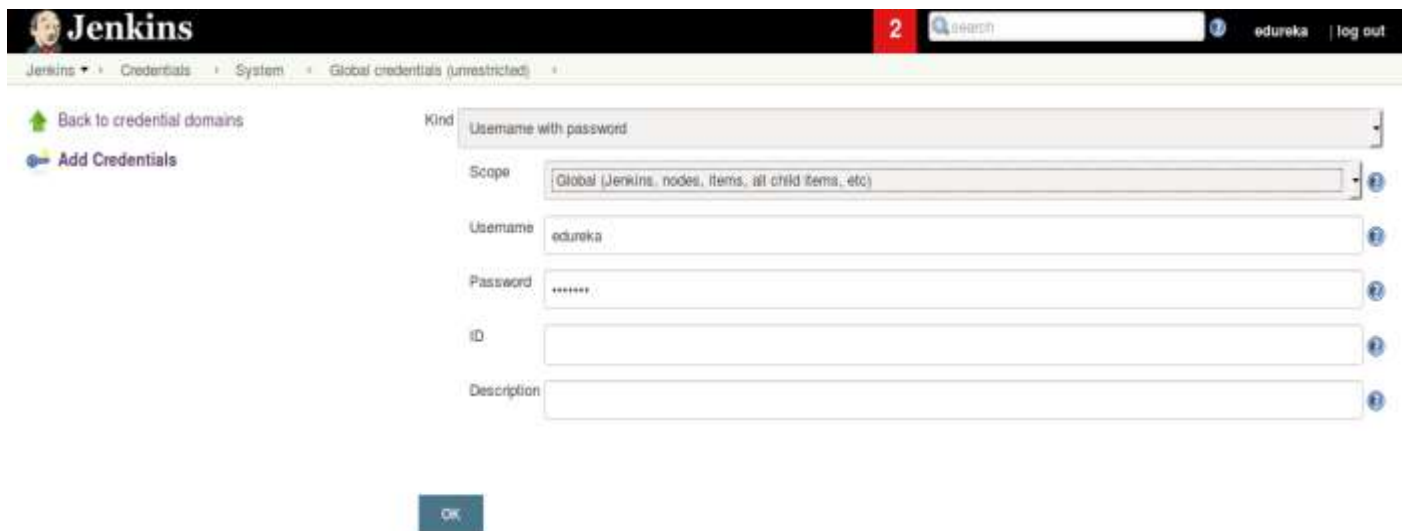
edureka!

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Setting Up Ansible plugin on Jenkins

Adding user Credentials

1. Add a user credential by navigating from Credentials-> System-> Global Credentials(Unrestricted)-> Add Credential
Set the scope to Global and add the Username and password used by ansible to ssh into the remote machine



The screenshot shows the Jenkins web interface for adding a new credential. The breadcrumb trail is: Jenkins > Credentials > System > Global credentials (unrestricted). The 'Add Credentials' button is highlighted. The form fields are as follows:

- Kind: Username with password
- Scope: Global (Jenkins, nodes, items, all child items, etc)
- Username: edureka
- Password: masked with asterisks
- ID: (empty)
- Description: (empty)

An 'OK' button is located at the bottom of the form.

Ansible plugin setup

2. On the ubuntu terminal edit the /etc/ansible/ansible.cfg file
Uncomment the host_key_checking = false line in the file

```
edureka@master:~$ sudo vi /etc/ansible/ansible.cfg
[sudo] password for edureka:
edureka@master:~$

# additional paths to search for roles in, colon separated
#roles_path    = /etc/ansible/roles

# uncomment this to disable SSH key host checking
host_key_checking = False
```

3. On Jenkins Home page goto Manage Jenkins-> Manage Plugins

**Reload Configuration from Disk**

Discard all the loaded data in memory and reload everything from file system. Useful when you modified config files directly on disk.

**Manage Plugins**

Add, remove, disable or enable plugins that can extend the functionality of Jenkins.

🔴 There are updates available

**System Information**

Displays various environmental information to assist trouble-shooting.

4. Search for ansible in available section and then install it

Filter:

Updates Available Installed Advanced

Install	Name	Version
<input checked="" type="checkbox"/>	Ansible Ansible support in Jenkins	1.0
<input type="checkbox"/>	Ansible Tower This plugin allows Jenkins to run a job template in Ansible Tower.	0.8.5

[Install without restart](#)
[Download now and install after restart](#)
Update information obtained: 16 hr ago
[Check now](#)

Installing Plugins/Upgrades

Preparation

- Checking internet connectivity
- Checking update center connectivity
- Success

Ansible Success

➡ [Go back to the top page](#)
(you can start using the installed plugins right away)

➡ ☐ Restart Jenkins when installation is complete and no jobs are running

5. Now go back to Manage Jenkins and then click on Global Tool Configuration



Configure Credentials

Configure the credential providers and types



Global Tool Configuration

Configure tools, their locations and automatic installers.



Reload Configuration from Disk

Discard all the loaded data in memory and reload everything from file system. I disk.

6. Now Under Ansible set a name and the path to executables directory for it(/usr/bin for ubuntu)

Ansible

Ansible installations

Add Ansible

Ansible

Name

Ansible-2.6.0

Path to ansible executables directory

/usr/bin/

☐ Install automatically

Delete Ansible

Add Ansible

List of Ansible installations on this system

- Now to run a playbook in a job; under add build step choose Invoke Ansible Playbook
Add your playbook and inventory path and add select your ansible user credentials

The screenshot shows the Jenkins configuration interface for the 'Build' step. The 'Invoke Ansible Playbook' step is selected. The configuration fields are as follows:

- Playbook path:** /etc/ansible/playbook.yml
- Inventory:** ☒ File or host list. The file path or comma separated host list is /etc/ansible/hosts.
- Host subset:** (Empty text field)
- Credentials:** edureka/***** (with an 'Add' button)
- Vault Credentials:** - none - (with an 'Add' button)

At the bottom left, there are 'Save' and 'Apply' buttons. A large 'edureka!' watermark is visible across the bottom of the image.