

**Practice for Lesson 3: Assign
Roles to User and Build
Master-slave configuration in
Jenkins Instance**

Practices for Lesson 3

Overview

In these practices, you will assign Role based authorization plugins to users created in Jenkins instance. Further, you will learn how to build a master-slave configuration on a Jenkins instances and followed by Backing up the configuration files of Jenkins in the AWS EC2 instance.

Practice 3-3: Backing-Up Configuration Files of Jenkins in AWS Instance

Overview

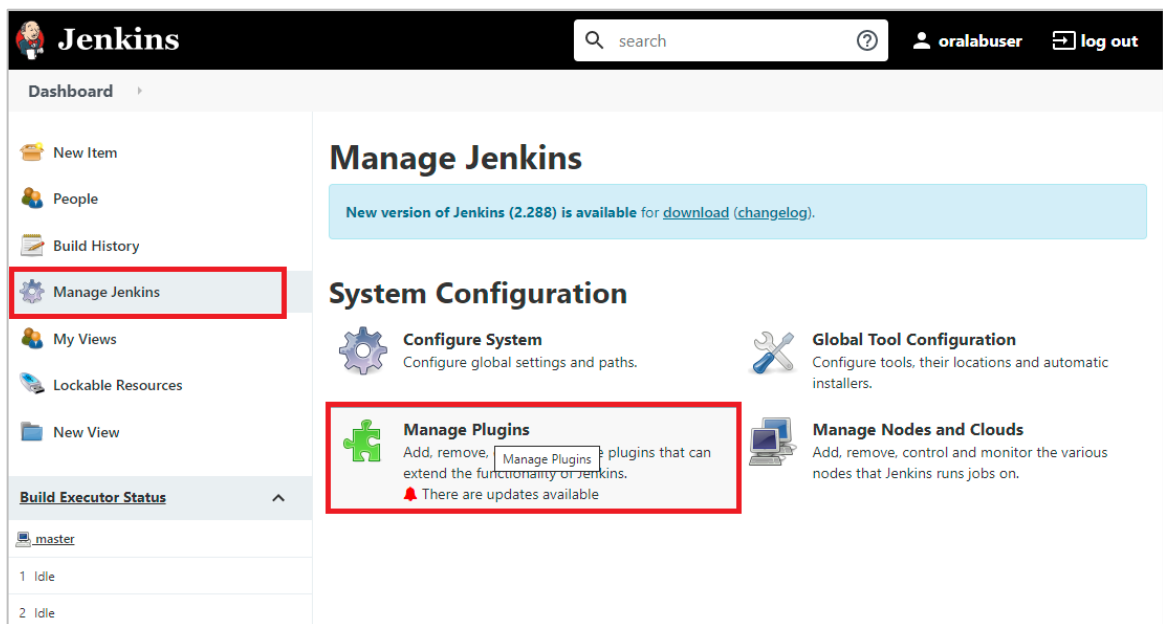
In this practice, you will learn how to Back-up the configuration files of Jenkins in the AWS EC2 instance.

Assumptions

You should have completed the Practice of Lesson 3-2.

Tasks

1. Install Backup Manager plugin in Jenkins instance.
 - a. Navigate to **Manage Jenkins** and select **Manage Plugins** under **Security Configuration** as shown below.



- b. Select **Available**, in search bar type **Backup** and select the check box of **Backup** as shown below. Click **Install without restart**.

Search: Backup

Updates Available Installed Advanced

| Install ↑ | Name | Version | Released |
|-------------------------------------|---|---------|-----------------|
| <input checked="" type="checkbox"/> | Backup Miscellaneous Backup or restore your Hudson configuration files <div>This plugin is up for adoption! We are looking for new maintainers. Visit our Adopt a Plugin initiative for more information.</div> | 1.6.1 | 9 yr 8 mo ago |
| <input type="checkbox"/> | ThinBackup Miscellaneous Backups the most important global and job specific configuration files. | 1.10 | 8 mo 8 days ago |
| <input type="checkbox"/> | Periodic Backup Backup or restore your Jenkins configuration files | 1.6 | 10 mo ago |

Backup and internet job plugins

Update information obtained: 41 min ago

- c. Verify that the installation is successful and click **Go back to the top page** as shown below.

Jenkins

Dashboard > Update Center

Back to Dashboard Manage Jenkins Manage Plugins

Installing Plugins/Upgrades

Preparation

- Checking internet connectivity
- Checking update center connectivity
- Success

Role-based Authorization Strategy ☒ Success

Loading plugin extensions ☒ Success

WMI Windows Agents ☒ Success

Javadoc ☒ Success

External Monitor Job Type ☒ Success

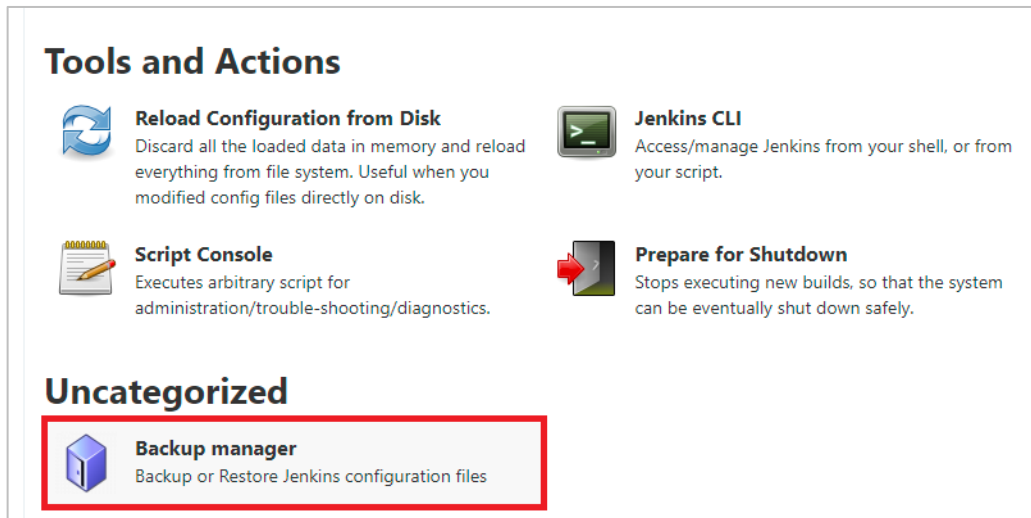
Backup ☒ Success

Loading plugin extensions ☒ Success

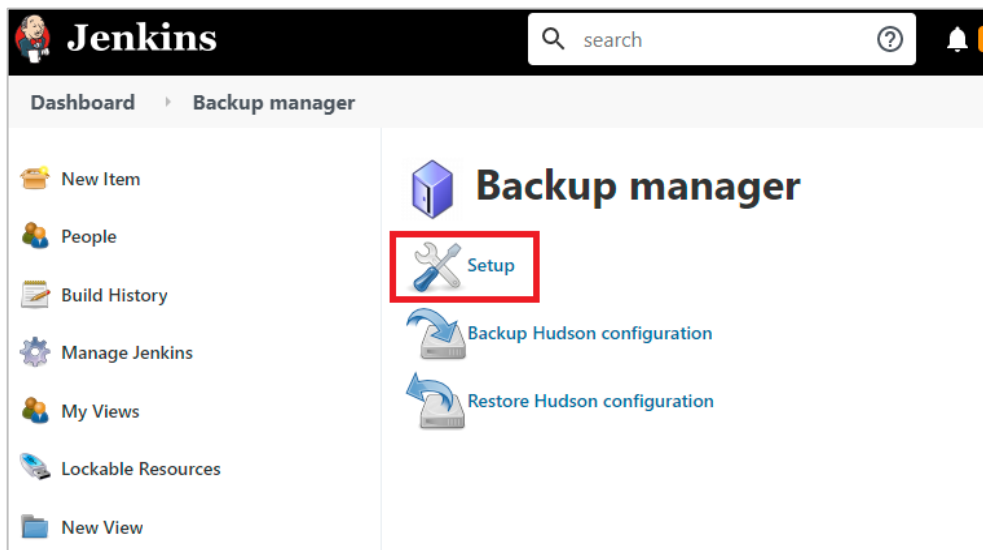
[Go back to the top page](#)
(you can start using the installed plugins right away)

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

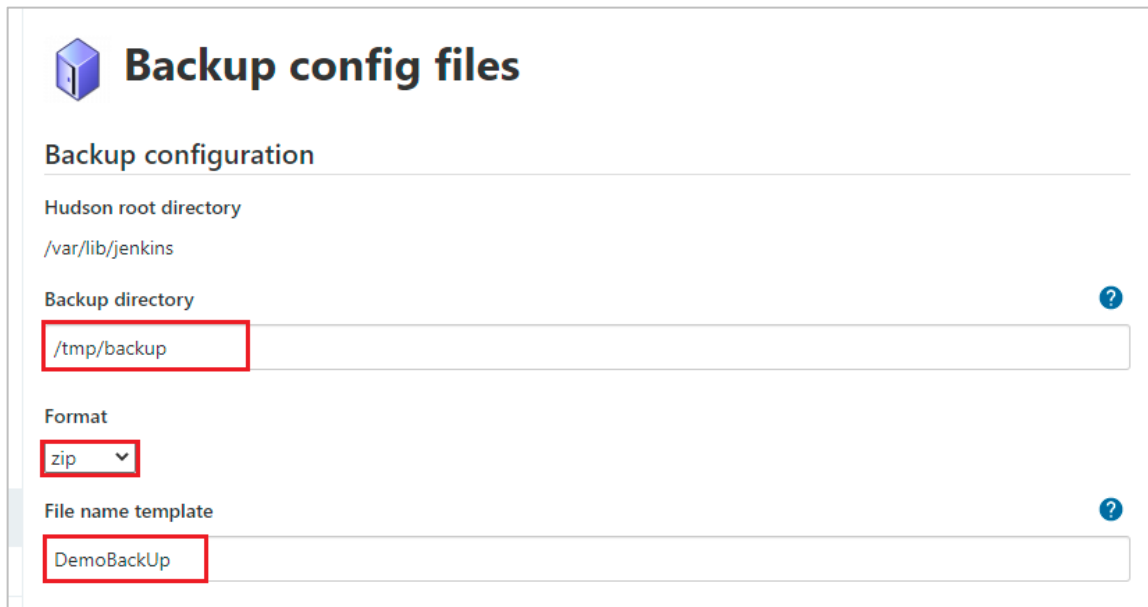
2. Backup configuration files of Jenkins in AWS instances.
 - a. Navigate to **Manage Jenkins** and select **Backup manager** under **Uncategorized** as shown below.



- b. Select **Setup** in the **Backup manager** page as shown below to setup the backup configuration of Jenkins files.



- c. In **Backup config files** provide the path for **Backup directory**, select the **Format** for the files to backup and provide the **File name template** as shown below.



Backup config files

Backup configuration

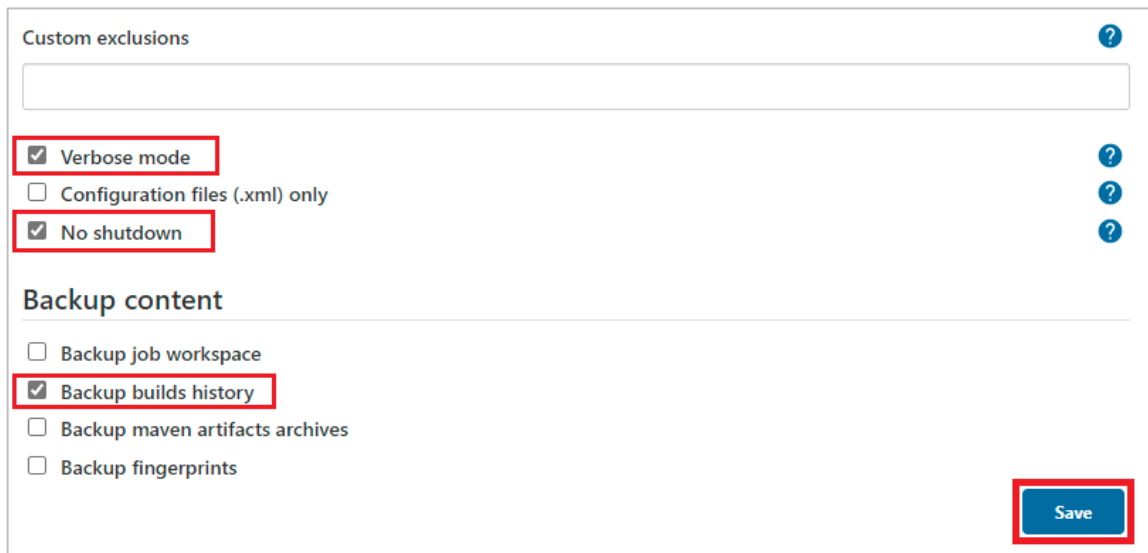
Hudson root directory
/var/lib/jenkins

Backup directory ?
/tmp/backup

Format
zip

File name template ?
DemoBackUp

- d. Select the check boxes required for the backup of files as shown below and click **Save**.



Custom exclusions ?

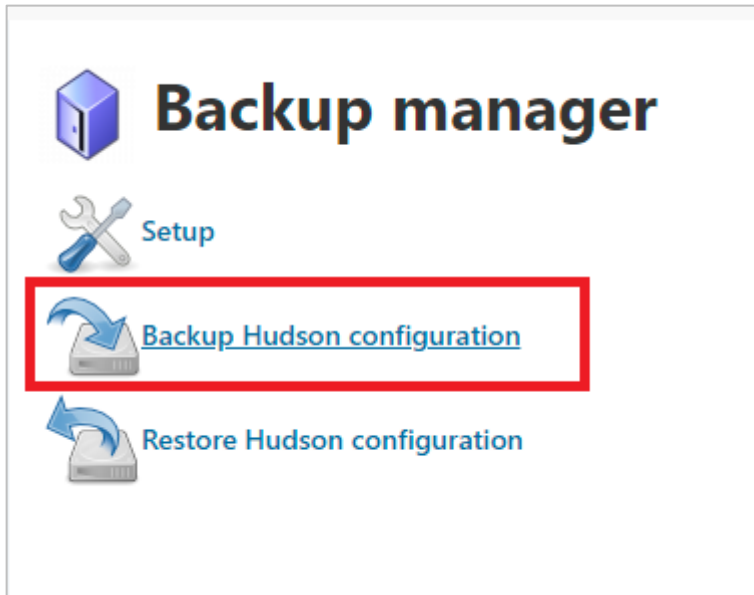
☒ Verbose mode ?
☐ Configuration files (.xml) only ?
☒ No shutdown ?

Backup content

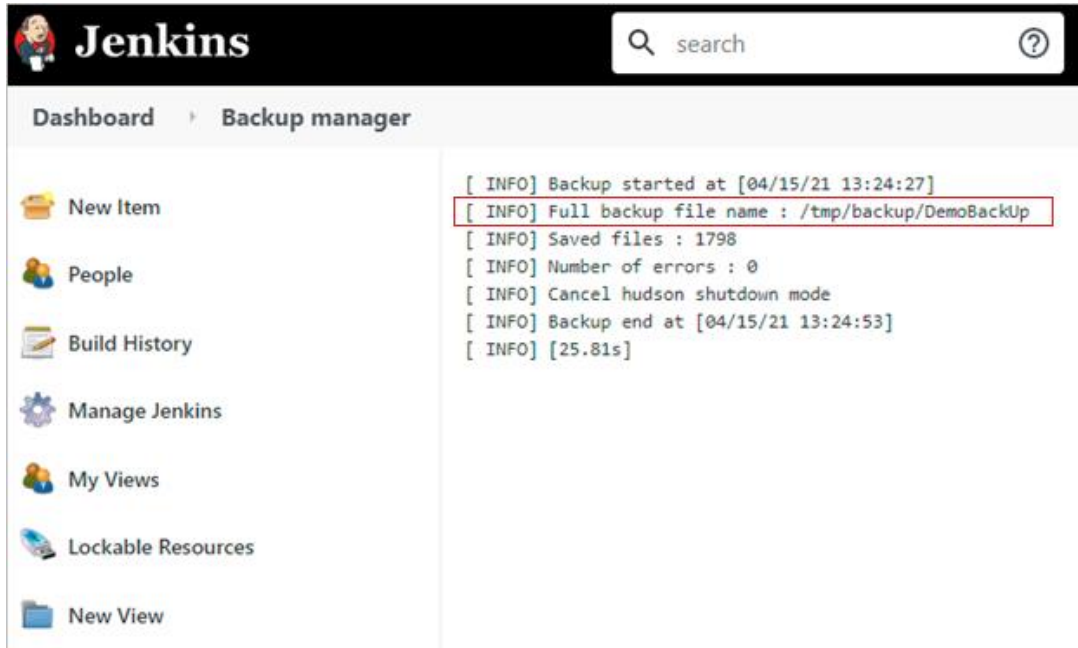
☐ Backup job workspace
☒ Backup builds history
☐ Backup maven artifacts archives
☐ Backup fingerprints

Save

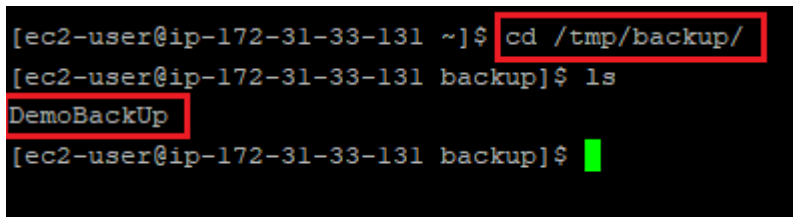
- e. In the **Backup manager** page, click on **Backup Hudson configuration** as shown below.



- f. It displays the number of files saved and the path of the backup file as shown below.



- g. Connect to the Jenkins AWS instances from Putty and verify the path of the backup file as shown below.



3. Close the terminal, and Logout from the AWS Management console and Jenkins Dashboard.