

SkillAssure Discoveri

Jenkins DevOps Hands-on Nugget

SkillAssure



A large orange L-shaped graphic in the top-left corner of the slide.

Goal:

To understand how to Deploy Hearti-health application through Jenkins,

01

Activity

09

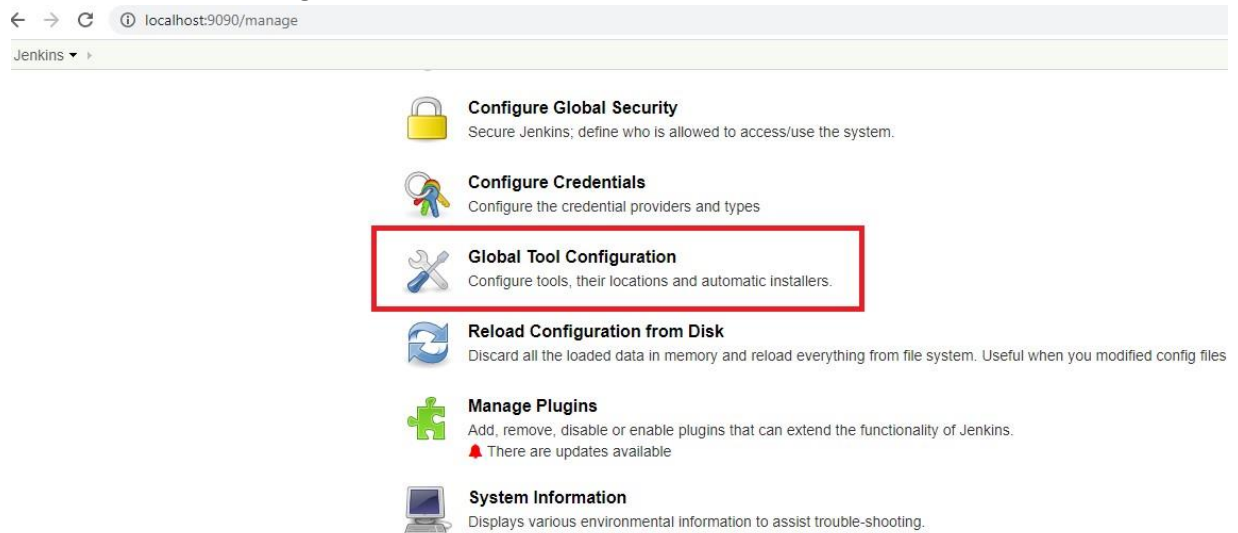
Steps

Activity-A : Deploy Hearti-health application through Jenkins.

Step-A.1: Browse localhost:8080 open Jenkins and click on “Mange Jenkins”



Step-A.2: Click on Global Tools Configuration




Step-A.3: Add following location in Path to Git Executable

"C:\Program Files\Git\bin\git.exe"

Git

Git installations

 Git

Name

Path to Git executable


☐ Install automatically


Step-A.4: Open Jenkins and click on New item from left side menu.


- Enter job name and select freestyle project.
- Click on OK Button


Enter an item name


» Required field


 **Freestyle project**
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

 **Maven project**
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

 **Pipeline**
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

 **Multi-configuration project**
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

 **Folder**
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

 **GitHub Organization**
Scans a GitHub organization (or user account) for all repositories matching some defined markers

Step-A.5: Provide description about job.

- Select GIT in Source Code Management.
- Provide your GitHub URL forked from

<https://github.com/abhianshu2020/Hearti-Health>

Source Code Management

☐ None
☒ Git

Repositories

Repository URL

Credentials

Branches to build

Branch Specifier (blank for 'any')

Repository browser

Step-A.6: Add Build Step

- Click on Add build step
- Select "Execute Windows Batch Command.
- Enter the below command
npm install
- Select "Execute Windows Batch Command.
- Enter the below command
npm run build --prod

The image shows two sequential screenshots of a 'Execute Windows batch command' dialog box. The first screenshot shows the 'Command' field with the text 'npm install'. Below the field is a link that says 'See the list of available environment variables' and an 'Advanced...' button. The second screenshot shows the 'Command' field with the text 'npm run build --prod'. It also has the same link and button below it.

Step-A.7:

Click on Add build setup.

- Select "Execute Windows Batch Command.
- Enter the below command

@echo Copying Build Artifacts.

set CopyTo="C:\inetpub\wwwroot\"

xcopy "%WORKSPACE%\dist*" %CopyTo% /s /y /Q

This screenshot shows the 'Execute Windows batch command' dialog box with the following text in the 'Command' field:
`@echo Copying Build Artifacts.

set CopyTo="C:\inetpub\wwwroot\

xcopy "%WORKSPACE%\dist*" %CopyTo% /s /y /Q`
Below the field is the link 'See the list of available environment variables' and the 'Advanced...' button.

Step-A.8: Click on Add build setup.

- Select "Execute Windows Batch Command.
- Enter the below command

**set CopyTo="C:\inetpub\wwwroot\" copy
"%WORKSPACE%\web.config" %CopyTo%**



Step-A.9: Browse localhost in your browser you will be able to see this application.

