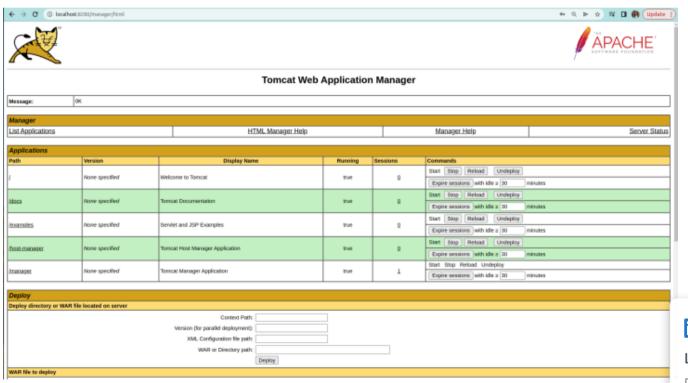


To deploy a WAR file to Apache Tomcat using Jenkins Freestyle job, you can follow these general steps:

1. Install Jenkins: Make sure you have Jenkins installed and running on your server.

Followed these steps to install the Tomcat in my ubuntu

https://www.digitalocean.com/community/tutorials/how-to-install-apache-tomcat-10-cubuntu-20-04



2. **Install Required Plugins**: Ensure you have the necessary plugins installed in Jenkins. For deploying to Tomcat, you may need the "Deploy to Container" plugin.

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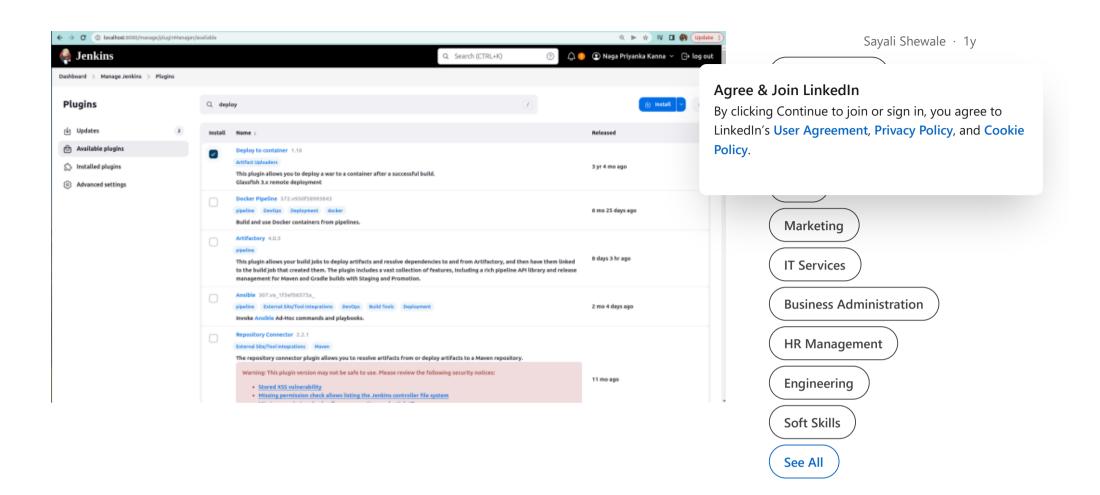


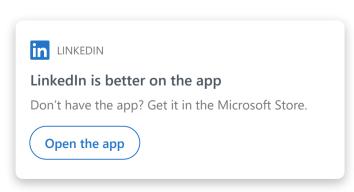
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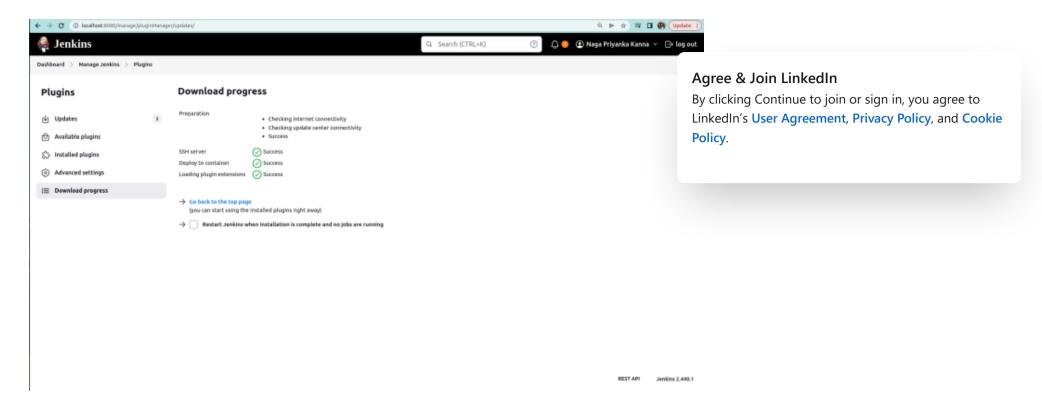
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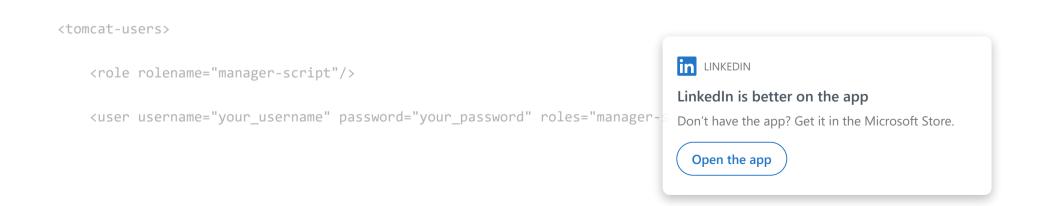
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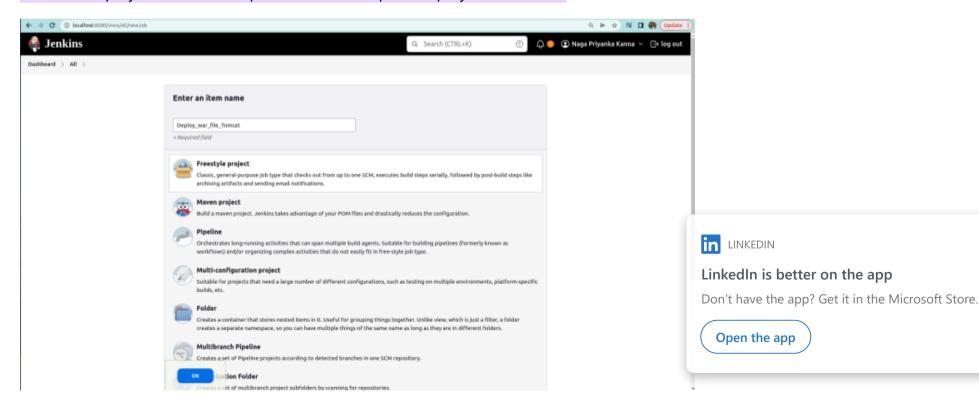
3. **Configure Tomcat Manager**: You need to configure Tomcat Manager so that Jenkins can deploy WAR files to Tomcat remotely. Update the tomcat-users.xml file in your Tomcat's conf directory to include a user with the manager-script role.



</tomcat-users>

4. Create a Jenkins Freestyle Job:

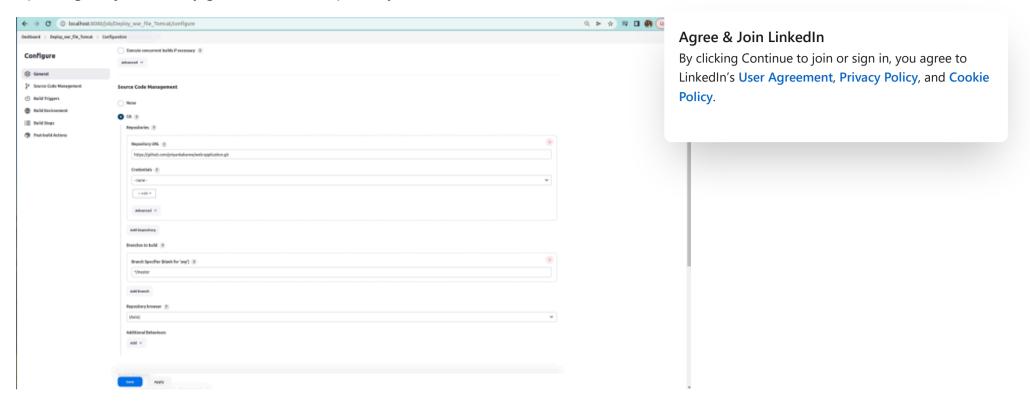
- Go to Jenkins and create a new Freestyle project.
- Configure the job as per your requirements.
- In the build section, add a build step to deploy the WAR file to Tomcat.
- Select "Deploy to container" option or use a script to deploy the WAR file.



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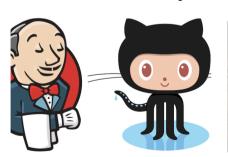
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Updating the job with my git source code repository:



Maven already configured in the previous articles, using the same

Recommended by LinkedIn



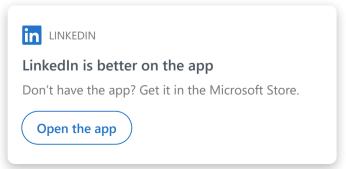
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5. Configure Deploy to Container Plugin:

- If you're using the "Deploy to Container" plugin, you'll need to configure it.
- Specify the credentials you set up in the Tomcat Manager configuration.
- Provide the URL to your Tomcat Manager in the plugin settings.
- Specify the WAR file to deploy.

6. **Save and Run the Job**: Save your Jenkins job configuration and run it to deploy the WAR file to Tomcat.

Here's an example of how you might set up the deploy script using curl in a shell script builc step:



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```
#!/bin/bash
TOMCAT USERNAME="your username"
TOMCAT PASSWORD="your password"
TOMCAT MANAGER URL="http://your tomcat server:port/manager/text"
WAR FILE="path to your war file.war"
curl -T $WAR FILE "$TOMCAT MANAGER URL/deploy?path=/context name&update=true" --
```

Replace your_username, your_password, your_tomcat_server, port, context_name, and path to your war file.war with your actual values.

Ensure that the Jenkins server has permission to write to the Tomcat directory and access to Tomcat's manager URL.

With these steps, you should be able to deploy your WAR file to Tomcat using a Jenkins Freestyle job.

Failed to deploy the war file at tomcat server due to user access issue. But this is the whole process we need to follow to deploy a war file to tomcat server.



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