Jenkins

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# Fix Jenkins credentials

On the terminal run below commands to disable complete security:

sudo sed -i 's|<useSecurity>true</useSecurity>|<useSecurity>false</useSecurity>|' /var/lib/jenkins/config.xml

sudo service jenkins restart

# Create First job

## Create job

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Save the configuration

## Execute the build

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Description automatically generated

# Create a User

## Enable Authentication (If required)

A screenshot of a computer

Description automatically generated

## Create user

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

## Manage permissions

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Description automatically generated

# Github Trigger:

## Configure Repo on github

Enable webhooks to send event triggers to Jenkins

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## Configure Jenkins job

On Jenkins, configure Job to receive web events

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A screenshot of a computer

Description automatically generated

# Jenkins – Github PR integration

<https://wiki.jenkins-ci.org/display/JENKINS/GitHub+Plugin>

<https://github.com/KostyaSha/github-integration-plugin/blob/master/docs/Configuration.adoc>

# Clone GitHub repositories using SSH

## Generate SSH keys on local system

<https://www.cyberciti.biz/faq/linux-generating-rsa-keys/>

## Add SSH Keys to your GitHub account

<https://docs.github.com/en/authentication/connecting-to-github-with-ssh/adding-a-new-ssh-key-to-your-github-account#adding-a-new-ssh-key-to-your-account>

# SonarQube with Jenkins

<https://docs.sonarsource.com/sonarqube-server/10.6/analyzing-source-code/ci-integration/jenkins-integration/key-features/>

# Deploy Java WebApp to tomcat

<https://plugins.jenkins.io/deploy/>