

DEVOPS CI/CD PROJECT

GIT NEW CHECKOUT

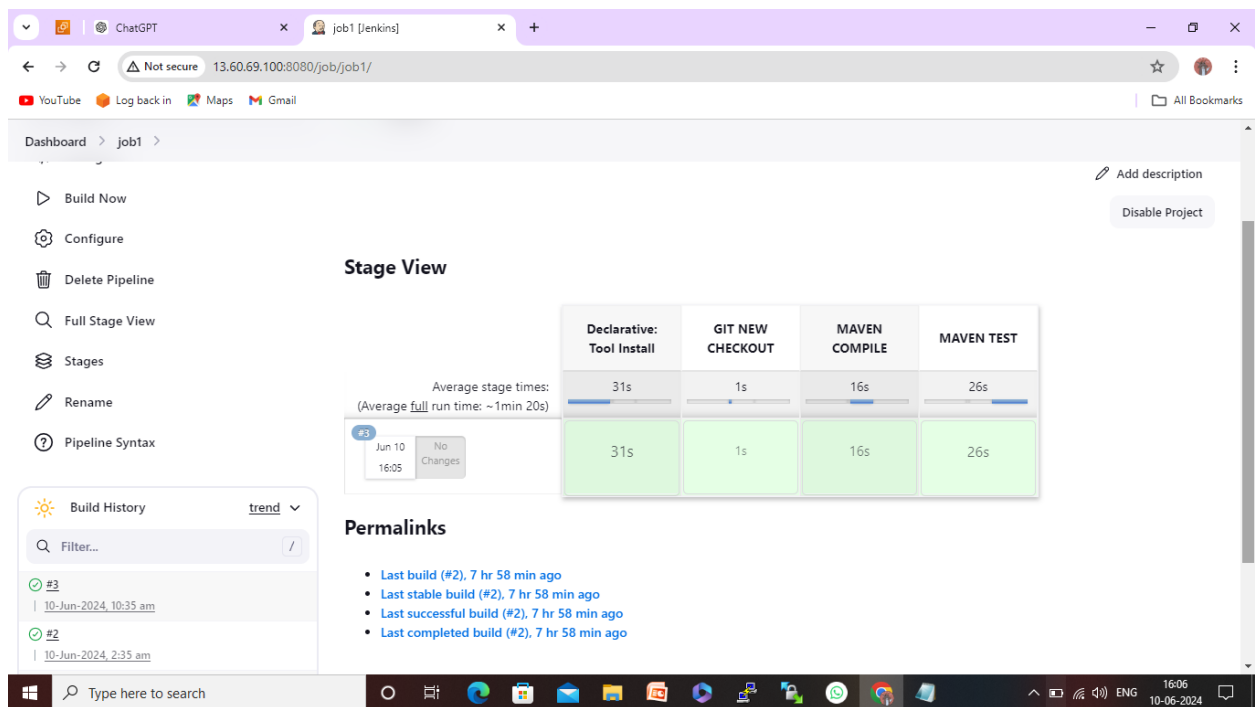
Code is checked out from the Git repository.

MAVEN COMPILE

Project is compiled successfully.

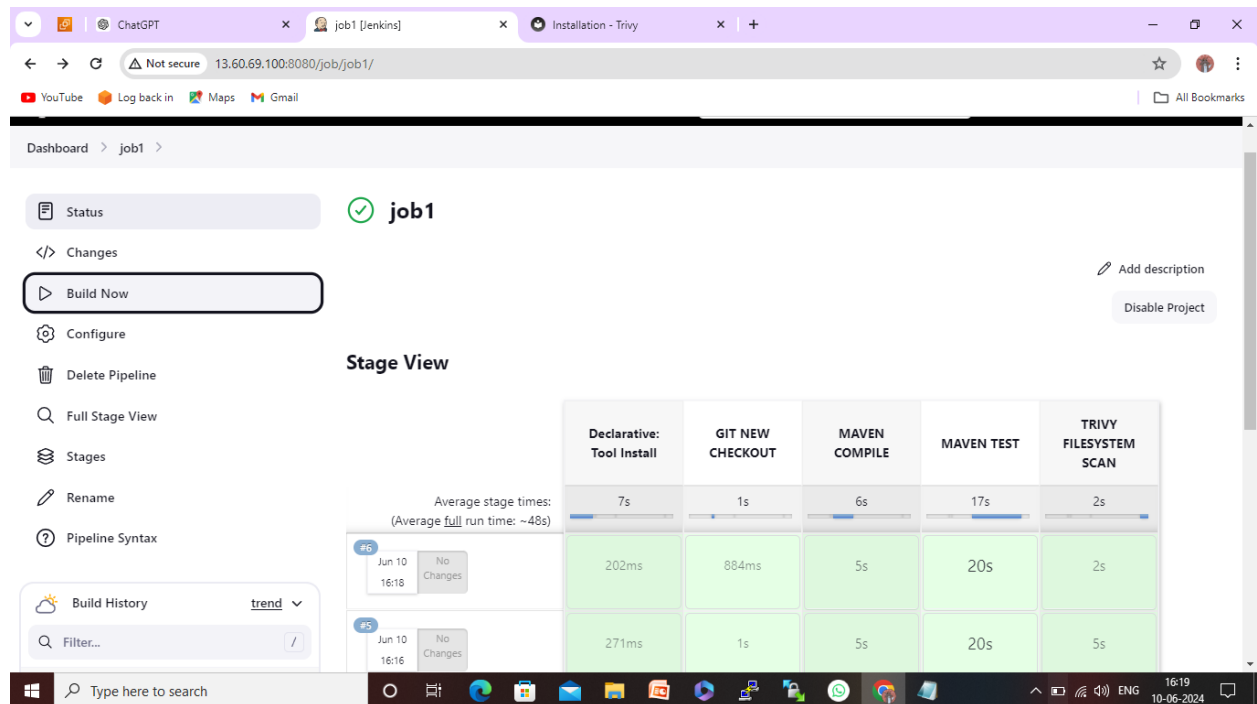
MAVEN TEST

Unit tests run and pass..



TRIVY FILESYSTEM SCAN

Filesystem scan completes with a report generated.



SONARQUBE ANALYSIS

Code analysis is performed and results are uploaded to SonarQube.

QUALITY GATE

Quality gate status is checked..

job1 [Jenkins] | How do you want to create you... | Welcome - Sonatype Nexus Re... | Pipeline Automatisasi Jenkins | +

Not secure 13.60.69.100:8080/job/job1/

YouTube Log back in Maps Gmail | All Bookmarks

Dashboard > job1 >

Configure
Delete Pipeline
Full Stage View
SonarQube
Stages
Rename
Pipeline Syntax

Stage View

Average stage times:
(Average full run time: ~50s)

	Declarative: Tool Install	GIT NEW CHECKOUT	MAVEN COMPILE	MAVEN TEST	TRIVY FILESYSTEM SCAN	SONARQUBE ANALYSIS	QUALITY GATE
#11 Jun 10 17:58 No Changes	170ms	762ms	5s	22s	2s	19s	394ms (passed for 2s)
#10 Jun 10 17:53 No Changes	154ms	780ms	6s	21s	2s	18s failed	68ms failed
#9 Jun 10 17:42 No Changes	211ms	853ms	5s	21s	6s	23s failed	71ms failed
#8 Jun 10 17:38 No Changes	205ms	887ms	5s	21s	2s	7s failed	77ms failed
#7 Jun 10 17:37 No Changes	305ms	1s	6s	22s	2s	737ms	213ms

Build History trend

Filter... /

- #11
10-Jun-2024, 12:28 pm
- #10
10-Jun-2024, 12:23 pm
- #9
10-Jun-2024, 12:12 pm
- #8

Type here to search

17:59
10-06-2024

Jenkins | Projects | Browse - Sonatype Nexus Repo... | +

Not secure 16.171.224.187:9000/projects

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sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration

Search for projects... A

My Favorites All

Filters

Quality Gate

Passed 1
Failed 0

Reliability (Bugs)

A rating 0
B rating 0
C rating 1
D rating 0
E rating 0

Security (Vulnerabilities)

A rating 1
B rating 0
C rating 0
D rating 0

Search by project name or key

1 project(s) Perspective: Overall Status Sort by: Name

Job1 Passed Last analysis: 12 minutes ago

Bugs 15 C Vulnerabilities 0 A Hotspots Reviewed 0.0% E Code Smells 35 A Coverage 30.8% Duplications 0.0% Lines 1.4k HTML, Ja...

1 of 1 shown

Embedded database should be used for evaluation
The embedded database will not scale, it will not support upgrading to database engine.

Get the most out of SonarQube!
Take advantage of the whole ecosystem by using SonarLint, a free IDE plugin that helps you find and fix issues earlier in your workflow. Connect SonarLint to SonarQube to sync rule sets and issue states. Learn More Dismiss

SonarQube™ technology
Community Edition - v9.9.5 (build 90363) - [Link]

Type here to search

18:50
10-06-2024

MAVEN BUILD

This stage builds the project using Maven.

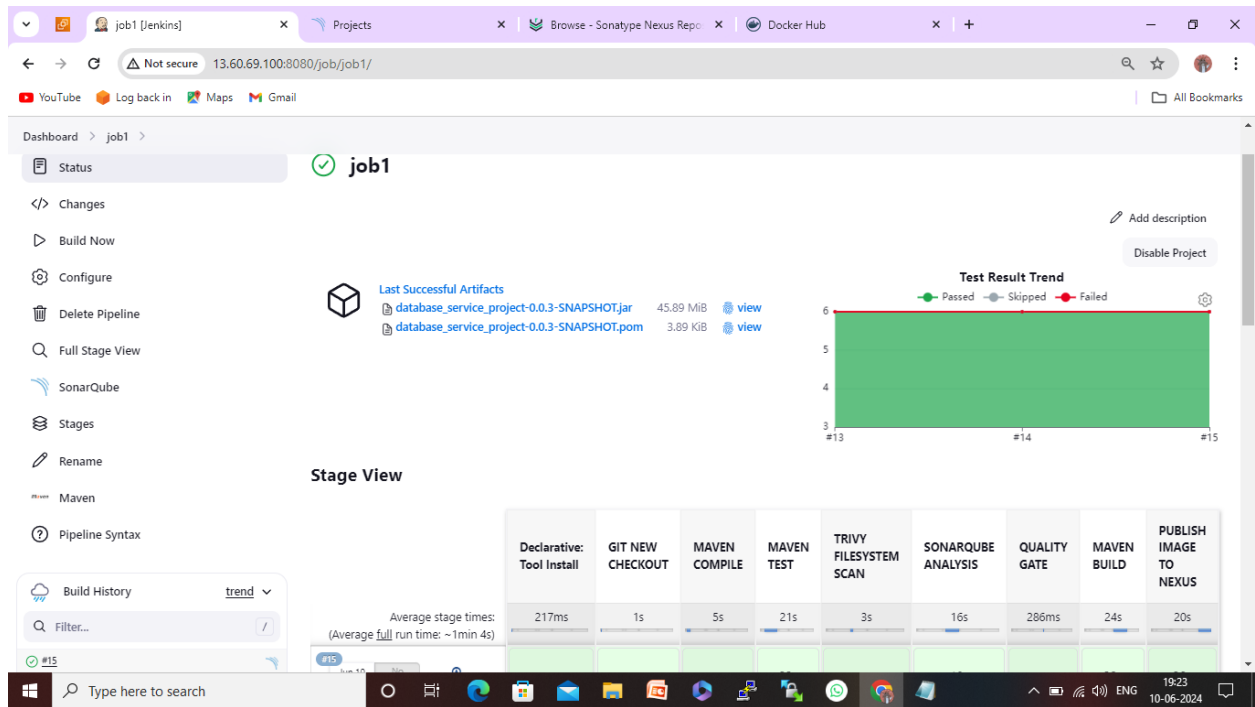
PUBLISH IMAGE TO NEXUS

This stage publishes the built image to Nexus repository.

The screenshot shows the Jenkins web interface for a job named 'job1'. The 'Stage View' is displayed, showing a pipeline with the following stages and their durations for build #15 (Jun 10 19:07):

Stage	Duration
Declarative: Tool Install	217ms
GIT NEW CHECKOUT	1s
MAVEN COMPILE	5s
MAVEN TEST	21s
TRIVY FILESYSTEM SCAN	3s
SONARQUBE ANALYSIS	19s
QUALITY GATE	378ms (passed for 2s)
MAVEN BUILD	22s
PUBLISH IMAGE TO NEXUS	28s

The 'PUBLISH IMAGE TO NEXUS' stage is highlighted in red, indicating a failure. The overall average stage time is 217ms, and the average full run time is ~1min 4s. The build history shows that the previous build (#14) also failed at the 'PUBLISH IMAGE TO NEXUS' stage with a duration of 24s.



BUILD & TAG DOCKER IMAGE

Docker image is built and tagged.

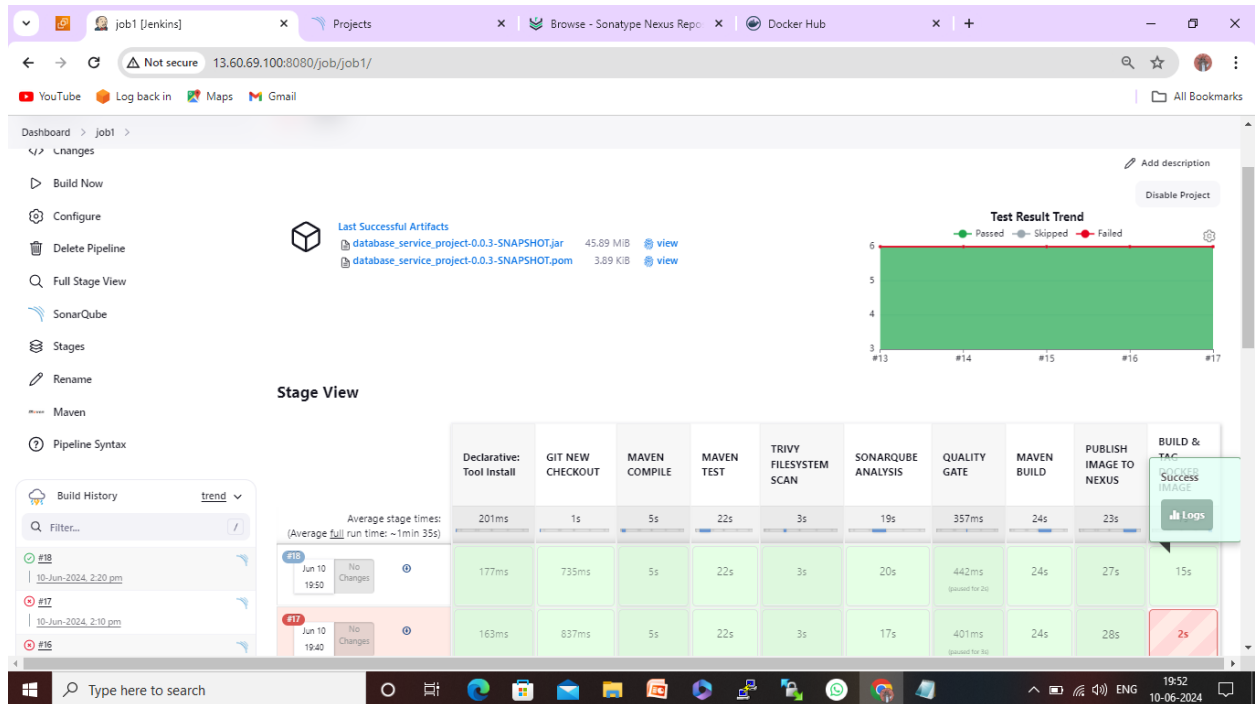


IMAGE SCANNING

This stage scans the Docker image for vulnerabilities using Trivy.

DOCKER DEPLOYMENT

This stage deploys the Docker container.

