

# SCENARIO

## CURRENT SITUATION

- ✿ Agile SDLC
- ✿ Developers make regular code changes.
- ✿ These commits needs to be Build & Tested.
- ✿ Usually Build & Release Team will do this job.
- ✿ Or Developers responsibility to merge and integrate code.

# PROBLEM

## ISSUES WITH CURRENT SITUATION

- ✿ In an Agile SDLC, there will be frequent code changes.
- ✿ Not so frequently code will be tested.
- ✿ Which accumulates bugs and error in the code
- ✿ Developers need to rework to fix these bugs and error.
- ✿ Manual Build & Release process.
- ✿ Inter Team Dependencies.

# SOLUTION

## FIX

- ✿ BUILD & TEST FOR EVERY COMMIT.
- ✿ AUTOMATED PROCESS
- ✿ NOTIFY FOR EVERY BUILD STATUS.
- ✿ FIX CODE IF BUGS OR ERROR FOUND INSTANTLY RATHER THAN WAITING.

# PROBLEM

## WITH CI SERVER

- ✿ CI SERVER MAINTENANCE
- ✿ OPERATIONAL OVERHEAD TO MAINTAIN SERVER LIKE JENKINS, NEXUS, SONAR, GIT ETC

# SOLUTION

## FIX

- ✿ CLOUD SERVICES FOR CI TO REMOVE OPS OVERHEAD.

# BENEFITS

✓ FAULT  
ISOLATION

AGILE  
NO OPS ✓ ✓

# BENEFITS

✓ FAULT  
ISOLATION

AGILE ✓  
NO OPS ✓

✓ SHORT MTTR

CI PIPELINE  
ON AWS

NO HUMAN  
INTERVENTION ✓