



CTIP 환경 구축

2021 Software V&V

Team #7

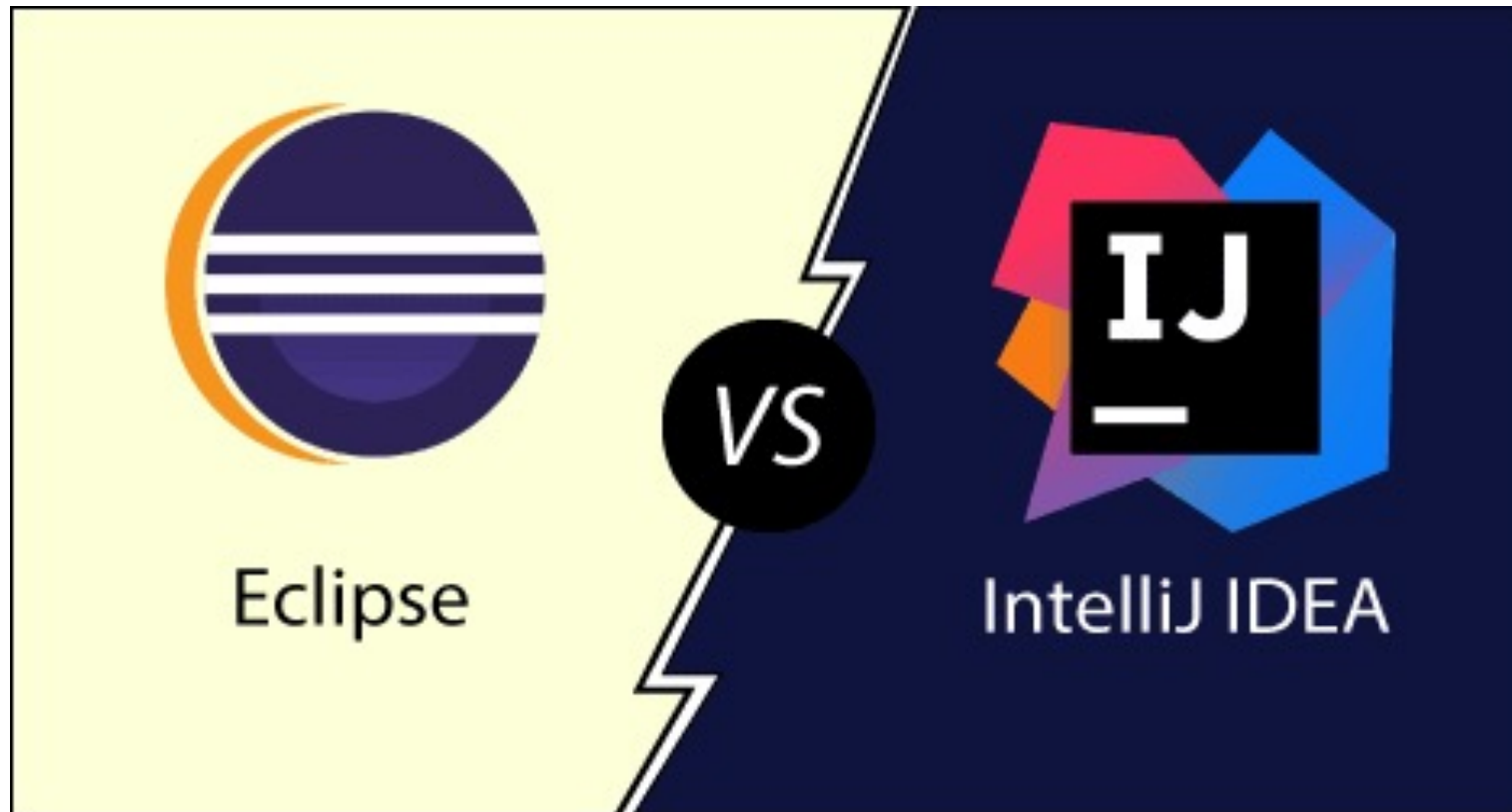
김승환 김유진 이현우 전도현



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1.IDE



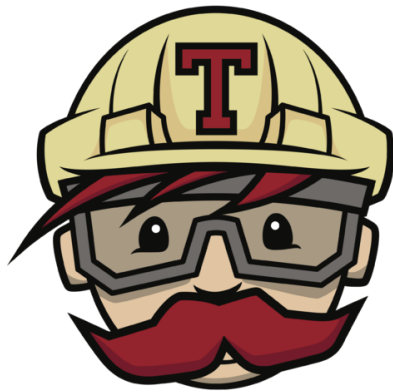
1.IDE



2.CI



2.CI



Travis CI

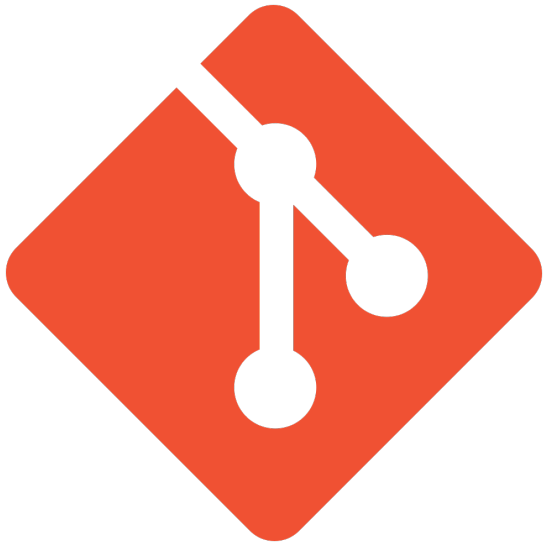


AWS CodePipeline

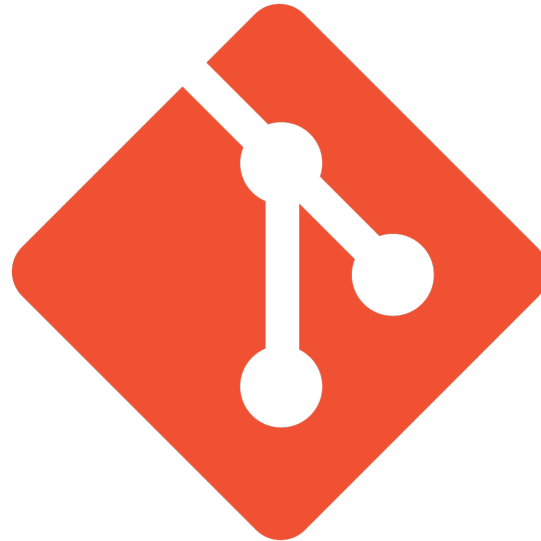
2.CI



3.CCM(Code Configurte Management)



3.CCM(Code Configurte Management)



4. Requirements Management & Bug Tracking

DevOps Issue Tracking Tools



Kanboard



zendesk



4. Requirements Management & Bug Tracking



4. Requirements Management & Bug Tracking

axiomzen / routific PRIVATE

Watch 28 Star 0 Fork 0

Repositories (1/1) show all Labels Milestones Assignees View pull requests View closed issues New Issue

New Issues (9)

- routific #21: Update social media tag styling (Engineering, Feature, Help Wanted, Invalid)
- routific #27: Real-time schedule updates (Help Wanted)
- routific #20: Feature request: Auto Discounting (Discussion, Feature)
- routific #1: Loading Testing API (Enhancement, Help Wanted, Question)
- routific #12: First Demo (Duplicate, Enhancement)
- routific #13: Demo Video

Backlog (6)

- routific #7: Beta Testing Feedback (Bug, Discussion, Duplicate, Feature, Help Wanted)
- routific #28: Partner with GreenPlanet Conference (Discussion, Help Wanted)
- routific #22: SMS delivery updates (Duplicate, Question)
- routific #19: Miles / Km Popup (Engineering, Wont Fix)
- routific #15: Increase geocoding speed (Feature)

To Do (4)

- routific #24: Reset password page fix (Engineering, Enhancement)
- routific #17: Better handling of route dispatch (Duplicate)
- routific #16: Feature request: Instant driver feedback (Discussion, Enhancement)
- routific #23: Real-time traffic data in maps (Enhancement)

In Progress (3)

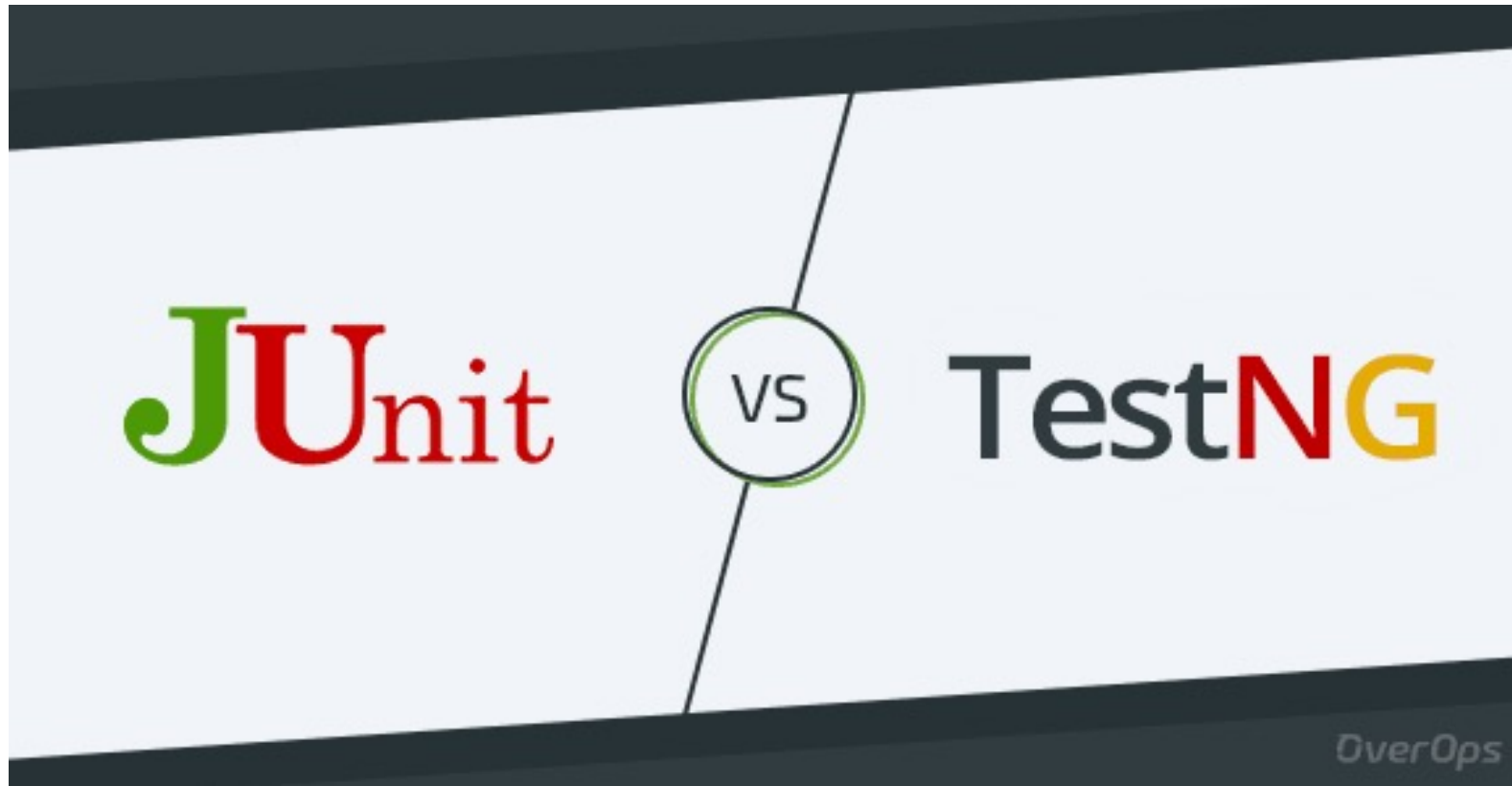
- routific #25: Weekly analytics newsletter (Invalid, Question)
- routific #18: Improve SMS dispatch system (Enhancement, Invalid)
- routific #8: Mobile Screen View (Engineering, Help Wanted, Invalid)

Done (1)

- routific #6: Map Load (Help Wanted, Ir)

Powered by | ZenHub

5. Unit Testing



5. Unit Testing

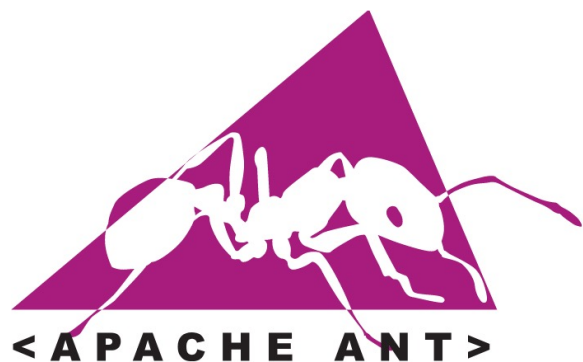
JUnit



6. Automatic Build

Maven™

 **Gradle**



6. Automatic Build



7. Team Communication



7. Team Communication



8.Server



8. Server

Free Tier 타입 및 Specification

AWS

- type: t2.micro
- cpu: vCPU 1, Intel(R) Xeon(R) CPU E5-2676 v3 @ 2.40GHz 1 core
- memory: 1GiB(983M), 2399.859 MHz

Azure

- type: B1S
- cpu: vCPU 1, Intel(R) Xeon(R) CPU E5-2673 v4 @ 2.30GHz 1 core
- memory: 1GiB(922M), 2294.687 MHz

Google Cloud Platform

- type: f1-micro
- cpu: vCPU 1, Intel(R) Xeon(R) CPU @ 2.30GHz 1 core
- memory: 0.6 GB(581M), 2300.000 MHz

Naver Cloud Platform

- type: micro
- cpu: vCPU 1, Intel(R) Xeon(R) CPU E5-2670 v3 @ 2.30GHz 1 core
- memory: 1GB(975M), 2300.039 MHz

Performance

테스트 항목	AWS	Azure	GCP	NCP
CPU				
SHA256-hashing 500 MB	3.282 seconds	3.527 seconds	3.259 seconds	3.613 seconds
bzip2-compressing 500 MB	5.570 seconds	5.900 seconds	5.633 seconds	5.816 seconds
AES-encrypting 500 MB	1.663 seconds	1.759 seconds	1.280 seconds	1.998 seconds
dd: sequential write speed				
1st run	64.66 MiB/s	17.07 MiB/s	35.76 MiB/s	4.01 MiB/s
2nd run	61.32 MiB/s	17.07 MiB/s	35.86 MiB/s	3.62 MiB/s
3rd run	61.13 MiB/s	17.07 MiB/s	35.86 MiB/s	3.72 MiB/s
average	62.37 MiB/s	17.07 MiB/s	35.83 MiB/s	3.78 MiB/s

8.Server





Thank You.

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