

Run Tests Faster!

Mobile Automation at Scale

Do you want to deliver your apps faster? Do you need to go into production every day?

At Noesis, we've streamlined mobile app testing to ensure rapid, error-free releases, making daily updates a reality. Our approach leverages powerful tools like **Kubernetes** and **Android Snapshots** to automate testing, saving you time and effort.

Kubernetes

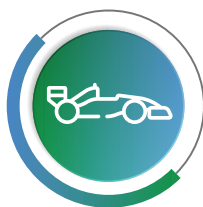
Kubernetes lets us run tests on multiple devices, like having a team of testers working simultaneously.

Android Snapshots

Snapshots allow us to quickly set up each test by starting from a known good state of the app, like having a clean workspace for each tester.



GOALS



Accelerate Test Execution: Implement parallel test execution with Kubernetes to reduce test execution time and accelerate feedback delivery.



Optimize Test Start: Utilize Android Snapshot technology to start tests from the post-login page, eliminating redundant login procedures and minimizing test setup time.



Improve Testing Efficiency: Streamline the testing process to improve overall testing efficiency, enabling faster time-to-market for software releases.

Solution

Kubernetes API development to **leverage parallel execution of test cases, maximizing testing** throughput and **efficiency**. This API creates **Kubernetes** pods for unique executions, leading to isolated performance and faster parallelization.

Utilizing **Android Snapshot** technology to start tests from the post-login page eliminates the need for **repetitive login procedures** and **reduces test setup time**.

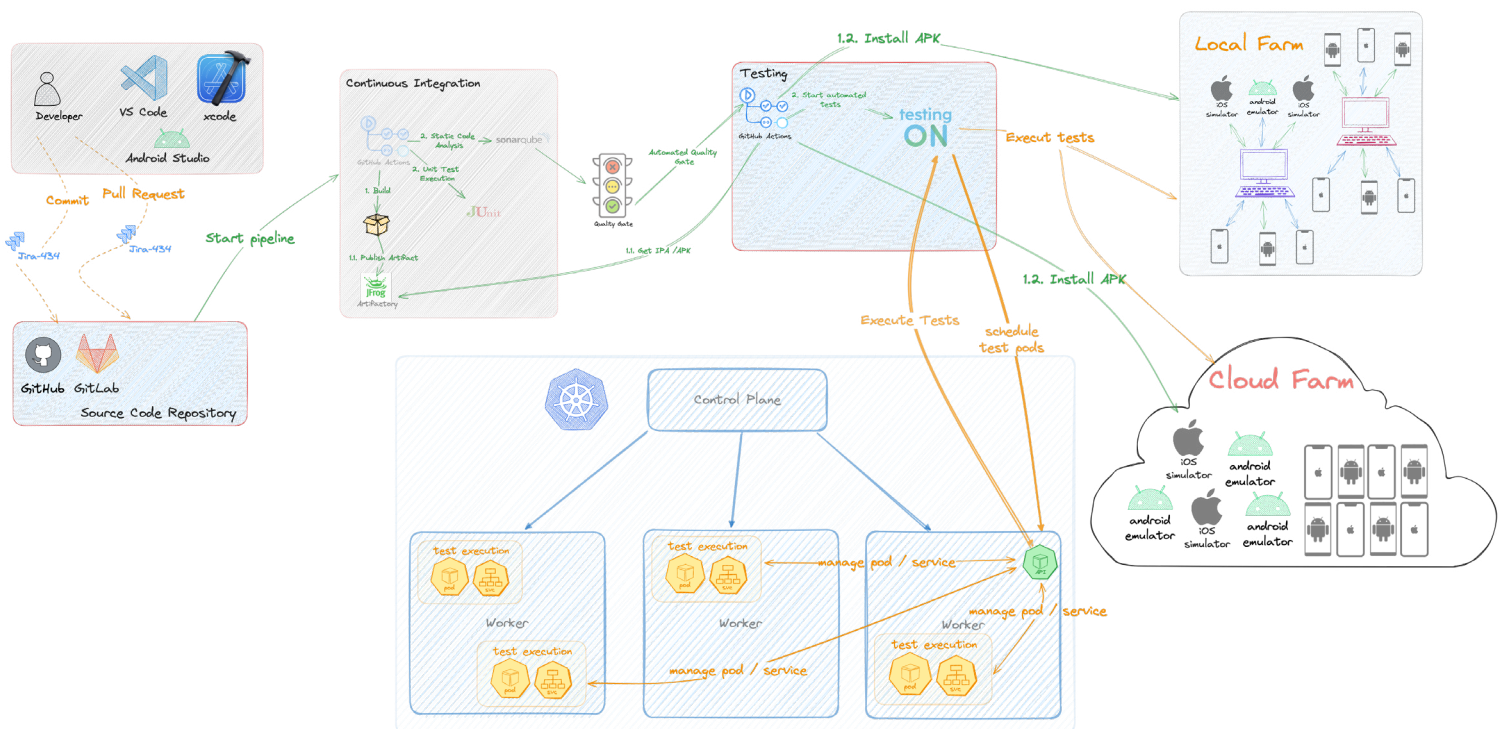
Implement automated testing pipelines to orchestrate test execution with both technologies, ensuring consistent and reliable test results. Integrate testing automation with CI/CD pipelines to automate the testing process and enable continuous testing practices.

Monitor and analyze test results using suitable testing frameworks and tools to identify bottlenecks and areas for improvement.



Noesis DevOps Approach

QUALITY | SPEED | EFFICIENCY | SECURITY



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