

Pull Request (PR) raise karte samay hum log banate hai ek Pipeline jisse hum karwaenge security scans, validate, plan etc...

🔧 Suggested Workflow (PR Pipeline Mein Use Karne Ke Liye)	
📅 Stage	✅ Recommended Tools
PR Raised	Trufflehog, Semgrep, tfsec, checkov
Code Validation	Checkmarx, Fortify SCA, SonarQube
Secrets Check	Trufflehog, Trivy
IaC Scan	tfsec, checkov, Prisma Cloud
Dependency Scan	Snyk, BlackDuck
Plan Validation	Terraform Plan + tfsec
Image Build	Trivy
Post Deploy Test	OWASP ZAP, Nikto

📅 Recommended Terraform Workflow	🔧 Tool(s)
Format & Validate	terraform fmt, terraform validate, pre-commit-terraform
Lint	tfLint
Security	tfsec, checkov, regula, conftest
Testing	terratest
Cost Analysis	infracost
Docs	terraform-docs

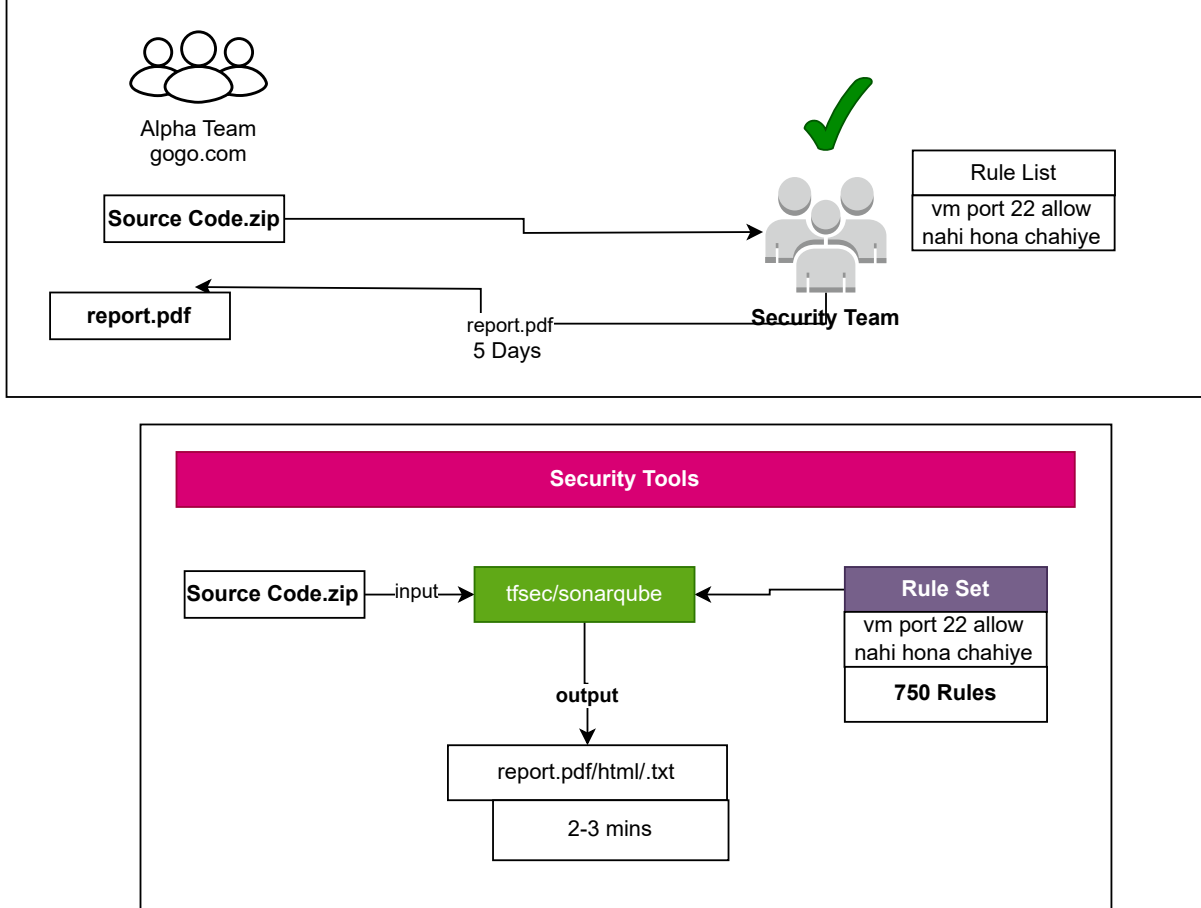
🔧 Pipeline Coverage (By Category)	🔧 Tool Suggestions
Secrets Scan	Trufflehog, Gitleaks, Whispers, Trivy
SAST (Code)	Checkmarx, Semgrep, Fortify, SonarQube, Bandit, AppScan, Cobra (Go), CodeQL
SCA (Open Source)	Snyk, BlackDuck, OWASP Dependency-Check
IaC Scan	tfsec, Checkov, Prisma, Kics, Fugue, TFSec-Action, Aqua, Snyk IaC
Cloud Security	Prisma, Scout Suite, Cloudsploit, Sysdig Secure
DAST (Runtime)	OWASP ZAP, Burp Suite, Nikto
Container/Image	Trivy, Aqua Security, Sysdig, Falco
Runtime Threats	Falco, Sysdig Secure, Prisma Runtime Defender
Git Hooks	↓ Husky + lint-staged, Gitleaks

🔧 Linting Tools Summary (For Screenshot)

📄 Language	🔧 Lint Tool(s)
JavaScript/TS	ESLint, Prettier
Python	Pylint, Flake8, Black
Java	Checkstyle, PMD, SpotBugs
Go	golint, go vet, staticcheck
C/C++	clang-tidy, cppcheck
C# (.NET)	StyleCop, Roslyn Analyzers
Ruby	RuboCop
PHP	PHP_CodeSniffer, PHPMD, PHPStan
Kotlin	ktlint, detekt
Swift	SwiftLint
Shell (bash)	ShellCheck
Terraform	tfLint
Dockerfile	hadolint
YAML/JSON	yamllint, jsonlint, spectral
Markdown	markdownlint

🔧 Unit Testing Tools (Quick Snapshot)	
📄 Language / Tech	🔧 Unit Testing Tool(s)
JavaScript / TypeScript	Jest, Mocha, Jasmine, Vitest
Python	unittest, pytest, nose2
Java	JUnit, TestNG, Mockito
C# / .NET	MSTest, NUnit, xUnit
Go	testing (builtin), Testify
C / C++	Google Test, CppUTest
PHP	PHPUnit
Ruby	RSpec, Minitest
Swift (iOS)	XCTest
Kotlin	JUnit, Kotest, Spek
Android	JUnit, Espresso, Robolectric
Flutter (Dart)	test, flutter_test, Mockito
Angular	Jasmine + Karma
React / Next.js	Jest + React Testing Library
Vue.js	Vitest + Vue Test Utils
Terraform	Terratest (Go-based)
Shell Scripts	shUnit2, Bats

🔒 Security Code Scanning



Sara tools ek jaise kaam karta hai..

- Koi bhi tool ko use karne ka tarika
- tool ko install karna pdega... checkov ho ya tfsec ya synk...
- tool dalne ke baad koi tarika hoga usse code scan karwana pdega... command/ui etc...
- Rule set se mila ke issue detect karega aur report dedega...
- report me btaega.. kon sir file me kya kya dikkat hai... high problem, low problem, medium problem.

