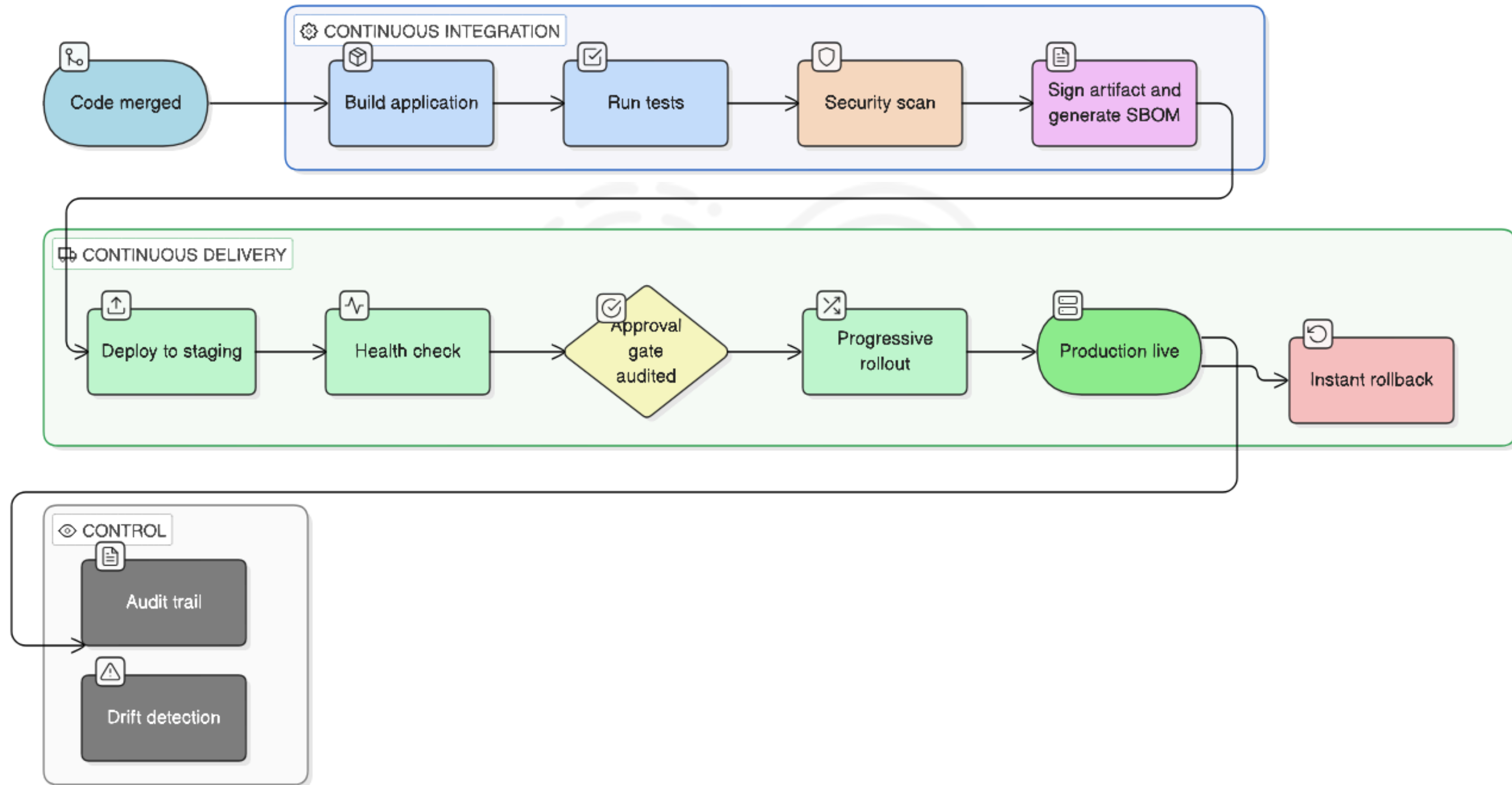




Architecture of automated CI/CD processes



Before



After

01 Manual triggers and shell scripts, hours lost per release

01

01 On push builds and pull request checks in Jenkins, minutes not hours

01

02 Inconsistent build results and environments

02

02 Immutable builds, containers, reproducible runners, consistent results

02

03 No artifact retention or signing, weak traceability

03

03 Artifacts in registry with retention, signing, full traceability and rollback

03

04 Ad hoc approvals in chat, policy bypass risk

04

04 Gated deployments with role based approvals, audit ready logs

04

05 Limited automated tests, defects escape to production

05

05 Automated unit and integration tests, dependency scans, fewer defects

05

06 No integrated notifications, slow feedback loops

06

06 Notifications to Slack or Teams, fast feedback and visibility

06

SDLC
Automation