← Activity →

Stage ↓

Trunk-based Development Workflow

| Commit changes | Run pre-commit hook | Push commit to a task branch | Run on-commit workflow (automated) | Code review | Integrate changes to the master branch | Run on-commit workflow (automated) | Tag release candidate [timestamp]-rc | Tag environment deployment [timestamp-env] | Run deployment workflow to [env] (automated) |

On-commit Workflow

| Triggered by commit | Static analysis test | Unit test | Build artefact | Tag artefact [timestamp-hash] | Prepare data | Integration test | Contract test | Fitness function test | Publish artefact [timestamp-hash] | Run deployment workflow to dev if on master branch |

Deployment Workflow (Rollout) to a specific environment

| Triggered by commit or tag | Backup datastore | Provision infrastructure | Deploy application | Update datastore | Smoke test |

Deployment Workflow (Rollback)

| Triggered manually | Provision infrastructure | Deploy application | Update datastore | Smoke test |

On-demand / Nightly Workflow

| Triggered manually or by time | Provision infrastructure | Deploy application | Prepare data | Smoke test | End-to-end test | Performance test | Security test | Fitness function test |

Clean-up / Time-triggered Workflow

| Triggered manually or by time | Clean up environment | Clean up backups | Clean up artefacts |

Continuous Integration Diagram

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