# Development



Commit changes



Run pre-commit hook





Push



Schedule pipeline

### Commit Pipeline



Checkout commit



Build artefact



commit

Tag artefact



Test (Linting)



Test (Unit)



Test (Integration)



Prepare data



Test (End-to-end)



Publish artefact

### On-demand / Nightly Pipeline



Checkout commit



Download corresponding artefact



Provision infrastructure



Deploy application



Prepare data



Test (Smoke)



Test (End-to-end)



Test (Performance)



Test (Security)

#### This is the only customisable pipeline. The intention is that it can perform any test and run against any existing non-live environment as well as build it from scratch.

## Clean-up Pipeline



Checkout master



Clean up environments



Clean up backups





Clean up artefacts

### Release Pipeline (Rollout)



Checkout latest release tag



Download corresponding artefact





Backup data



Provision infrastructure



Deploy application



Update data



Test (Smoke)

# Release Pipeline (Rollback)



Checkout previous release tag



Download corresponding artefact



Provision infrastructure



Deploy application



Revert data

Test (Smoke)

Pingdom

Splunk

CloudWatch

Instana

Uptime

Logs

CPU usage

Analysis

Usage

Memory usage

Response time

Read/write speed

Error rate

Monintoring diagram for DoS Capacity Status API

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