REMLA-Team 7

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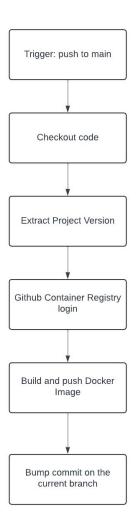


Release Pipeline

- Poetry for dependency and version management
- Versioned GitHub releases
- Versioned images (GHCR-hosted)







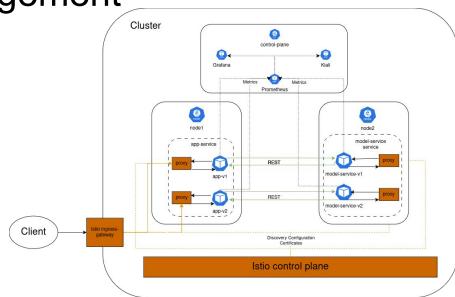


Deployment



Multi-node cluster

Traffic Management





Extension Proposal

- Kubernetes Deployment with Helm
- Remove manual steps
- Installed multiple times into the same cluster.
- Condense multiple yaml files into one cluster.
- Secret management

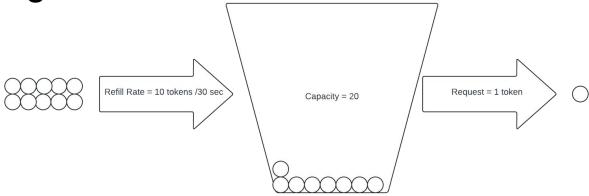




Additional Use Case



- Local Rate Limiting
- Implemented through an EnvoyFilter
- Only allow 20 requests per 30 sec from single client.





Experimental Setup

- Control: Core functionality, no styling
- Test: User instructions + styling
- Metrics:
 - View Counter
 - Requests counter
 - Agree/Disagree Counters



Phishing Prediction



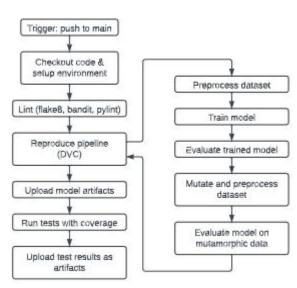


ML Pipeline and Testing

Automated testing based on ML Test

score guidelines

- Code Quality:
 - Flake8
 - Bandit
 - pylint





Q&A

