What the Hack – Proposal

This document will lay out the proposed hack and allow you to think through your challenges and create a document to share with teammates and WTH maintainers. Also fill the form at <http://aka.ms/wthproposal>

# Title

GitOps – Continuous Delivery + Continuous Operations

# Abstract

X

# Challenge 1 – Initial set up for GitOps on AKS

## Abstract

X

## Acceptance Criteria

* Set up Helm v3
* Set up Git repository
* Set up flux
* Set up Helm Operator
* Set up Linkerd
* Set up Flagger

# Challenge 2 – Understand YAML and Configs

## Abstract

X

## Acceptance Criteria

# Challenge 3 – Set up Helm Release

## Abstract

X

## Acceptance Criteria

* Install Nginx
* Install app
* Automate upgrade

# Challenge 4 – Set up Blue Green Releases

## Abstract

X

## Acceptance Criteria

* Application bootstrap
* Automated canary promotion
* Automated rollback
* Monitoring with Linkerd

# Challenge 5 – GitOps - Operations by PR

## Abstract

X

## Acceptance Criteria

* Application bootstrap
* Automated canary promotion
* Automated rollback
* Monitoring with Linkerd

# Challenge 6 – Config Management | Multi-cluster deployments

## Abstract

X

## Acceptance Criteria

* Application bootstrap
* Automated canary promotion
* Automated rollback
* Monitoring with Linkerd

# Challenge 7 – GitOps for Self Service and Automation

## Abstract

X

## Acceptance Criteria

* Application bootstrap
* Automated canary promotion
* Automated rollback
* Monitoring with Linkerd

# Challenge 8 – GitOps for Uptime and Reliability

## Abstract

X

## Acceptance Criteria

* Application bootstrap
* Automated canary promotion
* Automated rollback
* Monitoring with Linkerd

# Challenge 9 – Set up Canary releases