

CRE & DevOps Trial Project

Introduction

Congratulations and thank you for attending the CRE & DevOps project at Chainlink Labs! This is a paid project and should take 3-7 days. Please be as detailed and technical as possible. As part of the project work you will be invited to a Slack channel with members of the operations team and any questions can be asked along the way of working on the project. The end goal of the project is to show that areas of work can be solely owned and solutions can be critically thought out without being given much direction.

Admin

You can get paid for the time you spend on this project! Please send an invoice to: adrian@smartcontract.com with your rate and the number of hours to bill for. Any expenses incurred as a result of this project, whether in server costs or time will be reimbursed.

Project Brief

High Level Epic

Continuous Deployment of a Static Application via GitOps

Solution Design

To be decided solely by the candidate, as long as it meets the requirements of the epic.

Requirements

- Application deployed needs to have some form of external state, a database

or cache. The application given as part of the technical loop can be used, but it's not mandatory. - On each commit to master, the application is built then deployed via any deployment approach.

- If the application fails to build or errors, then a rollback is performed.
- The audit history of build & deployments has to be visible in GIT, to allow for auditable history.
- All the dependent deployment of infrastructure has to be managed in code. - Deployment of the application has to be publicly reachable.

Stretch Requirements

- Ephemeral environments are created on each new pull request
- Any dependent infrastructure changes are also applied as part of any pull request