

# CI/CD Workflow

Decomposition

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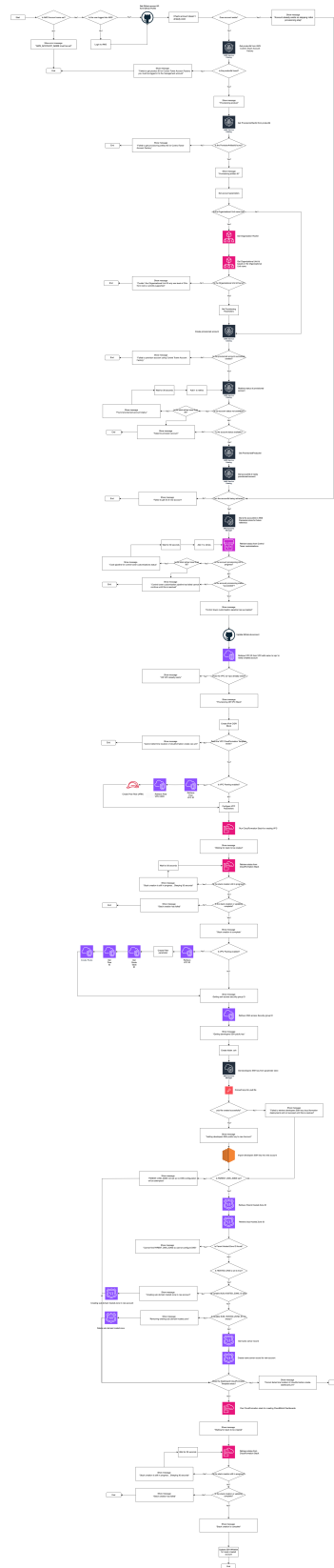
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## 1. Context

This document provides an overview of the flowcharts I created to decompose the CI/CD workflow. By visualizing this into a flowchart I've got a better understanding how the CI/CD workflow is functioning.

## 2. Flowchart: Provision Account

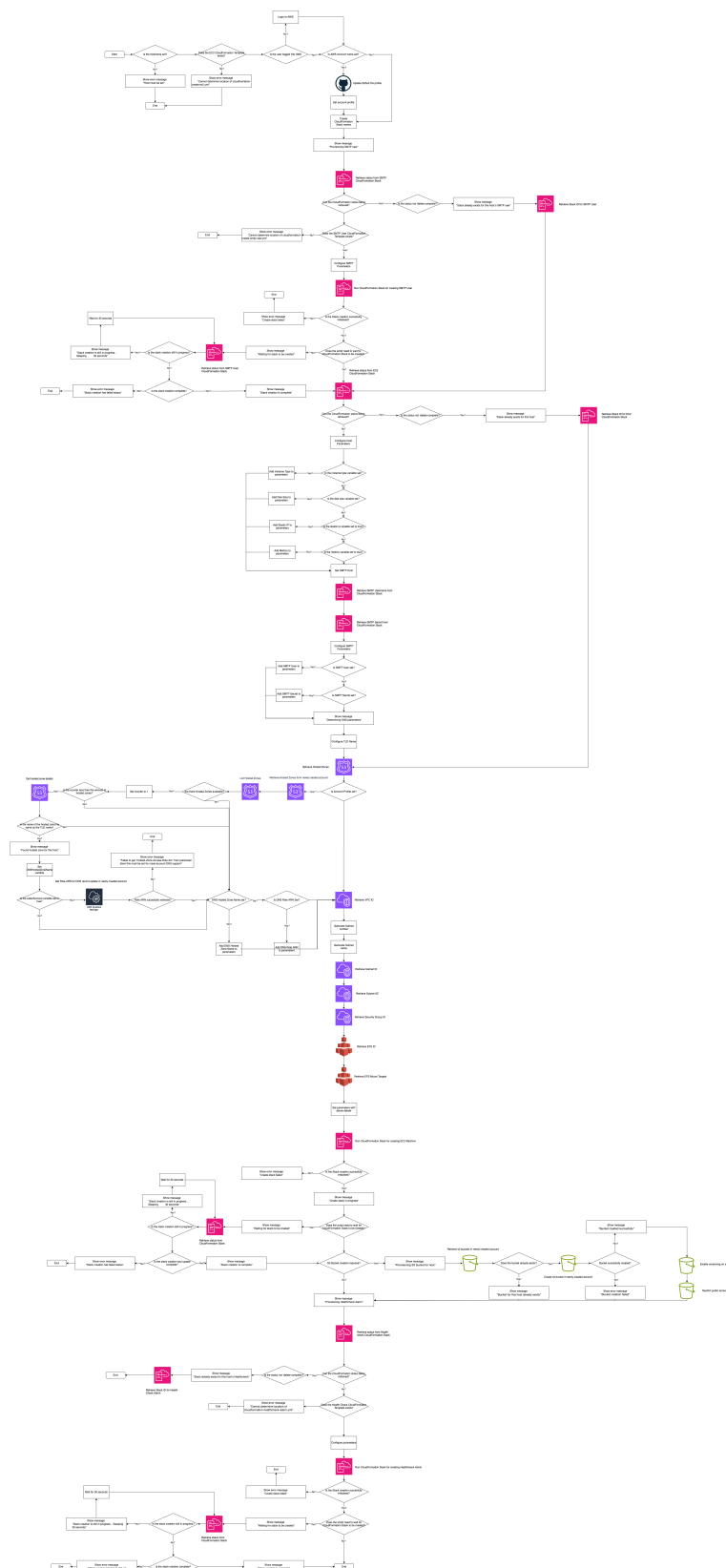
The picture below visualizes the working of the `provision account` bash script. The bash script will be executed when the `provision account` workflow get triggered by a manual `workflow dispatch`. This script creates an AWS account for the customer within the AWS account from OpenRemote using AWS `Organizations`. After the account is created the script will provision and configure several components such as the `VPC`, `SSH Key`, `CloudWatch` Dashboards and `Route53` for domain management.



**Figure 1:** Visualizes the working of the Provision Account CI/CD Workflow

### 3. Flowchart: Provision Host

The picture below visualizes the working of the `provision host` bash script. The bash script will be executed when the `provision host` workflow get triggered by a manual `workflow dispatch`. This script provisions an `EC2` instance within the customers AWS account. The instance will be used for running OpenRemote on AWS.



**Figure 2:** Visualizes the working of the Provision Host CI/CD Workflow