

Infrastructure Team

AWS Link: <https://signin.aws.cncloud.net/>

SSL Certs Expire: Tuesday, April 9, 2024 at 3:11:32PM

About

Welcome to the infra team! As an infra team member you will serve as the "glue" of the project, ensuring the work of all other team members fits together. You will do this primarily by pushing builds to our AWS EC2 and BioHPC servers, ensuring all certifications remain up to date, keeping all monitoring emails running, and exploring the database in the case that any issues arise.

While you'll often have fewer dedicated tasks to do for each weekly sprint, you should be prepared to assist members of other teams when they need your help. To make sure you're ready when this occasion arises it will pay off dividends to familiarize yourself with this documentation as well as all the technologies that are core to our applications. We've laid out a general roadmap to get you started below:

1. Connect to the servers:
 - a. See [How to ssh into AWS / BioHPC](#)
 - b. Learn how to move files between servers and your local machine using scp (see the last section of [Domain and SSL](#))
2. Access the databases:
 - a. See [BioHPC and MongoDB Atlas Set-up](#)
3. Familiarize yourself with Docker
4. Install Flutter and run through the Flutter tutorial: <https://flutter.dev/docs/get-started/install>
5. Familiarize yourself with continuous integration via Jenkins

Suggestions for future work:

1. Get unit tests running and integrated into the Jenkins pipelines***
2. Create a pipeline for frontend mobile

Current/Finished tasks

- [CI/CD - Pipeline Architecture](#)
 - [Phase 2 \(active\)](#)
 - [Phase 1 \(deprecated\)](#)
- [Dev/Debug in Container](#)
- [MongoDB setup](#)
 - [BioHPC and MongoDB Atlas Set-up](#)
 - [Configuration Notes](#)
- [Monitoring](#)
 - [E-list](#)
 - [Step 1: Scheduling \(EventBridge, CloudWatch\)](#)
 - [Step 2: Query \(Lambda\)](#)
 - [Step 3: Sending \(SES\)](#)
 - [System status page](#)
- [noob](#)
- [Send Emails in Your Code \(AWS Lambda\)](#)
- [SSL Certs and Update By Cloudflare](#)
 - [Domain and SSL \(Deprecated\)](#)
 - [SSL renewal \(Deprecated\)](#)
- [K8s & EC2 Connection](#)
 - [Create new Kubernetes service account \(token\)](#)
- [Confidential files \(deprecated\)](#)
- [Deploy React \(Deprecated\)](#)
- [Deploy Services on AWS \(Deprecated\)](#)
- [How to ssh/connect to AWS / BioHPC \(Deprecated\)](#)
- [Jenkins Tutorial](#)

For tasks that we're currently working on or have finished, please use the links **above** or in the **left sidebar** to access related sub-pages.