Motivation

Internet Service Providers
❖ How can we monitor our users’ router statuses?

End Users
❖ How do I fix my router issues?

Our Solution

Internet Service Providers
❖ Monitor routers distribution
❖ Examine router outages

End Users
❖ Troubleshoot router status
❖ Receive router issue email

End User Dashboard

Architecture
❖ Server processes router data.
❖ Website displays router data.
❖ Email System sends out router performance or outage report.

ISP Dashboard

React
Website

Django
Server

AWS
Cloud Host

Celery
Email Job

SQLite
Database

Mongo
Database