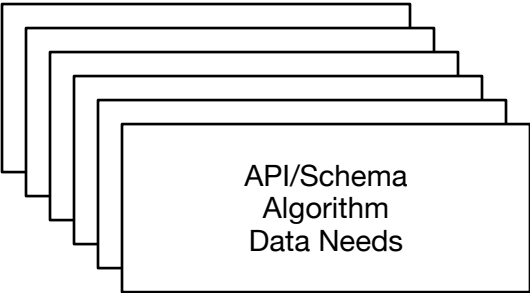


Create “French Press” vService:
- Compute latency for BGP table across 3 peers as data collector vService and associate with topology
- Provide API to query lowest-latency path to destination x.x.x.x
- Determine low latency path
- Return MPLS label stack {PeeringRouter, SP Peer EPE}



Services

Bruce
Dan
Zia
Aishwarya
Anush

Enable Creation of “French Press” vService:
- Build templates for API vService and Collection vService
- Build network topology in graph DB based on BMP
- Monitor vServices through simple state machine
- Create automation for packaging and deployment



Voltron Framework

Matt
Steve
Mike

Create blueprint for Voltron deployment:
- Deploy k8s cluster in AWS and in-house
- Bringup baseline services (frontend, Kafka, Graph DB)
- Deploy k8s monitoring (Heapster or equiv.)
- Build k8s+openshift templates for Deployment



Voltron Infrastructure

Omar
Erez
Paul?

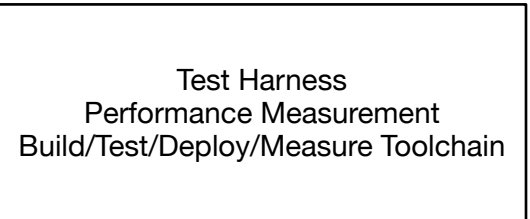
(*Not essential)
Create models for “French Press” prediction:
- Tie topology with TSDB for storing historical values
- Incorporate temporal fluctuations in Metrics into model
- Build visualization of metrics over time



Network Analytics Collection

Drew
Rachael
Remington

Automate Skeleton for “French Press” vService build and test:
- Automate French Press testbed build
- Report steps of entire toolchain into DB via scripts
- Start nightly builds + test of Voltron on Jenkins and store
- Define performance metrics for next phase of implementation



Platform
Automation and Validation

Rachael
Paul