# Interacting with the Control Plane

# Control Plane??

- What's a control plane?
- Why is it useful?

# xDS

- Envoy's versioned configuration
- Various specific DS's: CDS, EDS, LDS, RDS, ...
- Various transports: Files, REST, gRPC
- Eventual consistency vs ADS

# Operational Concerns

- xDS workings:
  - Envoy sends a DiscoveryRequest
  - The server response with DiscoveryResponse
  - Envoy may accept or reject the response
- SotW vs Delta

# Future of xDS

- https://github.com/cncf/udpa/
- Allow for more use cases
  - Federated control plane
  - Caching

# Demo

- Implementing Canary roll-out with the control plane