

# Enhancements and recommendations on API Layer:

Below are proposed recommendations to the API Layer:

1. Enhance security to restrict unauthorized access to the data.
2. Include weather data in the site summary analytics.
3. Implement circuit breaker to handle failures gracefully.
4. Implement load balancer to route traffic effectively.
5. Implement service discovery e.g. Eureka
6. Enhance logging and log aggregation
7. Implement a CI/CD pipeline
8. Implement consumer driven contracts testing using mock consumers and providers.
9. Extend API to provide data that can be used for Livestock insurance, by calculating the risk pastoralist face by using weather data, waterpoints data and routes used by the pastoralists.