

Ninja Stock Analytics



Stock Analytics application – Receives the Data feed from various sources (NSE, Sentiment indicators & Currency rates) and Build the portfolio strength/value for a given trade strategy.

- **Areas of Improvement:**

- Long time to enhance changes
- Missing Collaboration
- Environment inconsistency
- Elongated time to market
- Frequent downtime

- **Goal Statement:**

- Reduced Cost/time to delivery
- Deploy with reliable/repeatable process
- Reduce deployment downtime
- Ensure High Availability

- **Identified Solutions:**

- Unified Code Repository

- Pipeline the process from Build to Deploy for Continuous Integration

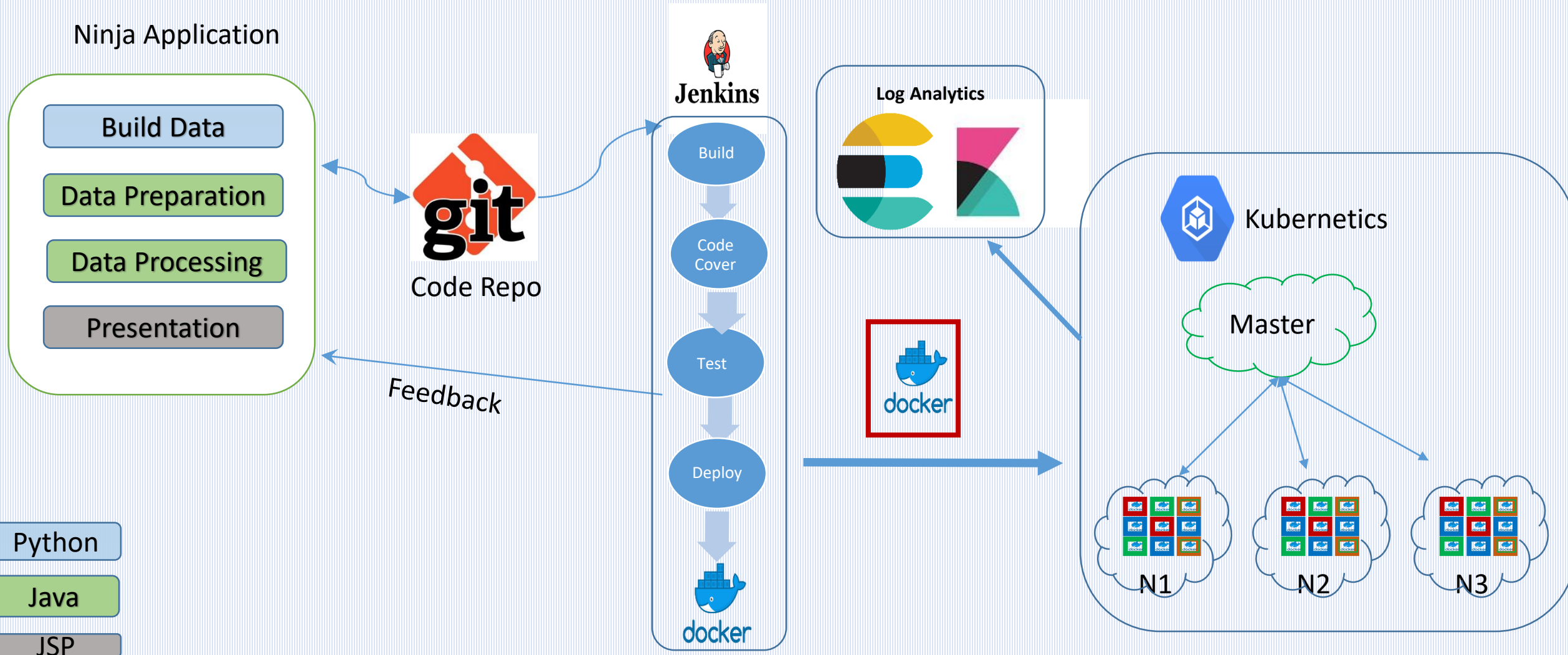
- Use Containerized applications to eliminate the environmental inconsistency

- Use Kubernetes cluster to ensure Continuous Deployment & High Availability

- Improve the Health & Build monitoring using ELK(Elastic Search, Logstash & Kibana)

Solution Architecture

Ninja Application



Application in Use..



Story #1

Change the application to consider sentiment analysis indicator for the strategy

Story #2

Change the currency from INR to USD, based on the rate

Benefits:

- Reduced time to market
- Inconsistent environment to immutable environment
- Zero downtime for change deployment
- High Application availability
- Improved logging & analytics for health & build of deployment

Questions

