# DevOps Transformation for XYZ

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# Problem Statement

- **Reduce development time** across a wide portfolio
- Implement **changes incrementally** in an Agile manner
- Create a **DevOps pipeline** prototype

# Overall Plan

- Break work into smaller chunks
- Automate work as much as possible
- Introduce change slowly, respecting current practices

# Break-up Workload

- Each current sprint needs to be roughly divided into 4 sprints
- Current 2 month sprint is now a release window
- Will require an initial rethink of the overall project

# Incremental Changes

- **Plan** the new workload before acting
- Development teams will be **involved** the whole way
- Respect and try to **include current efficient processes**

# Automation

- **Automate** as much of the workload as we can
- **Reduce overhead** of the team
- Allows the teams to **focus on the important work**

# Pipeline Prototype

1. Source Code Management (SCM) Polling
2. Building Stage
3. Testing Stage
4. Deployment Stage

# Technologies Used

- AWS
- Jenkins
- Java with Maven
- JUnit
- Docker

# Example Application

- Simple command line calculator

- Can add or subtract

```
java -jar target/my-app-1.0-SNAPSHOT.jar 3 + 2
```

# Demo

# Questions?