

# DevOps for Zero Downtime Deployment

## CLIENT

Leading marketing solutions platform providing innovative marketing and fulfillment solutions

## CHALLENGES

Deployments in data center used to happen independently using Chef on each node. For this there used to be planned downtime.

## MSYS VALUE CREATION

- We added a provisioning engine
  - Bare metal provisioning using Razor
  - Management portal using Razor API with role based access
- Cobbler
  - Cobbler will bring newly provisioned node into Chef control
  - Rules to add nodes into VM pools / group

## TOOLS & TECHNOLOGIES

Chef, Razor, RunDeck, Cobbler

## MSYS VALUE CREATION (..Continued)

- Blue - Green Deployment strategy
  - Maintain two groups of VM's i.e., Blue and Green
  - At a time green will be pointing to load balancer and blue will be on standby mode
  - New deployment will happen on blue and once integration tests are passed switch over will happen

