# https://www.youtube.com/watch?v=g20Uv6LXAoA

# ChatOps

* Monitoring
* System management
* Managing ci/cd workflows

Increasing Collaboration & decreasing response time

# Stay up to date with:

* Operational events
* Security findings
* CI/CD Workflows
* Budget etc

# AWS Chatbot Use cases.

## Use case 1: receive notifications

* + Supported services:
    - Cloudwatch alarms
    - Codepipeline
    - Codecommit
    - Code build
    - Code deploy
    - Guardduty
    - Security hub
    - Health
    - Cloud formation
    - Budget
    - Config
    - Systems manager

## Use case 2: notification actions

* + Get logs for lambda and API gateway with the click of a button

## Use case 3: run AWS CLI commands from Slack

* Aws cli syntax
* Supported commands
  + Read-only aws api
  + Lambda invoke
  + Support create-case
* Some commands are blocked
  + Iam
  + Kms
  + Sts
  + Operations with credentials
* IAM Role per channel

Notes from the project proposal:

* Culture
* Collaboration in teams (high performing teams)
* Code review – collaboration
* Security
* Project methodologies
* Serverless
* Centralised platform (slack instance messaging)
* Devops (documentation)
* Continuous integration (notifications)
* Differences of bots
* Jira integration

Integration within Slack/Teams using AWS (web hooks)

* Automate the things you find your team mates bugging someone to do
* Allow self provisioning by mostly anyone
* Develop trust in automation (example):
  + Setup Adhoc testing environments
  + Setup load testing environments
  + Query detailed analytics systems
* Using automation to deploy to CI/CD
  + A history log of anything that went wrong etc

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