REGULATED DEVOPS

Egor Cole
DEVOPS AT A GLANCE

• High Level Of Automation
• Everything as Code
• Collaborative culture
• Fail-fast
• Alignment across application, operations and security teams
• Cutting edge technology
• Fast release cycle
• Shift Left
• Cloud Enablement
Why is this change required?

Problem statement:

As a team, we are under pressure from our customers to improve aspects of our delivery.

We are convinced that adoption of DevOps practices can, in the right context, contribute significantly to improved client satisfaction and operational efficiency.
DevOPS Adoption (3-5 Year Strategy)

**Objective**

Improve time to customer, reduce project cost and complexity via automation and collaboration across the organization.

**Step-change Plans**

**Y1**
- Aligned Strategy & OCM Plan endorsed
- Initial Automation
- POC’s
- Tools & Enablers are in place (basics)

**Y2**
- DevOps Competency Centre
- CI/CD
- Roadmap aligned with Business
- Cloud Exploration – 1st adoption achieved

**Y3**
- DevOps Service Catalog 50% Adoption
- Implement testing & release cycle automation strategy
- DevOps within all Business Units
- Multi-Cloud Capability Established for Dev/Test

**Y4**
- DevOps Service Catalog 80% Adoption
- Cloud Migration for part of PROD
Why do we want to adopt DevOps?

We are convinced that DevOps and Agile principles can facilitate improvements such as:

✓ Better communication
✓ Better risk management
✓ Better throughput (speed)
✓ Better quality
✓ More enjoyable work environment (self-organising)

We know our customers want better service, and we’re confident this will help.
OBSTACLES

- Reactive approach
- Low automation maturity
- Silos and politics
- Going slow considered normal
- Restrictions and audits
- Diverse skill levels across permanent / contract / outsourced staff
- Skepticism of change
GAPS

• Process Gaps
• Knowledge Gaps
• Empathy Gaps
• AIRGAPS
BEING PRAGMATIC

• Ensure executive support
• Start with security / compliance
• Don’t try to boil the ocean
• Solve specific problems
• Integrate and build on top of existing processes
• Don’t afraid to be opinionated
• Don’t become “platform owner”
• Embrace competition
DevOps Journey is about client satisfaction, throughput and cost savings.
Typical Layout

- Jenkins/Bamboo
- Bitbucket/Github
- Artifactory/Nexus
- Chef/Ansible/Puppet

- VMWare/OpenStack
- CyberArk
- Splunk/Nagios
- Remedy/SNOW
- ActiveDirectory/LDAP
THANK YOU