



Planning



Operate



Built



Test



Devops process



Package



Release

DevOps Capabilities

DECK 2019

MANTRA LABS



About Us



www.TheInsurTech100.com

- ✓ Domain Focused Products and Solutions for the Digital Insurer
- ✓ Real World Problem Solving using Artificial Intelligence and Customer Experience Consulting



100+

PROJECTS

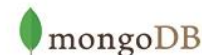
175+

GEEKS

3

OFFICES

Key Partnerships





THE NEED FOR DEVOPS

DevOps offers enterprises the ability for **greater** collaboration, software performance, business agility & customer experiences while also reducing development costs, error-rates and shortening release cycles.

HIGH PERFORMING ORGANIZATIONS THAT USE 'DEVOPS' ACHIEVE

46X

MORE FREQUENT
DEPLOYMENTS THAN PEERS

96X

FASTER RECOVERY
FROM FAILURES

440X

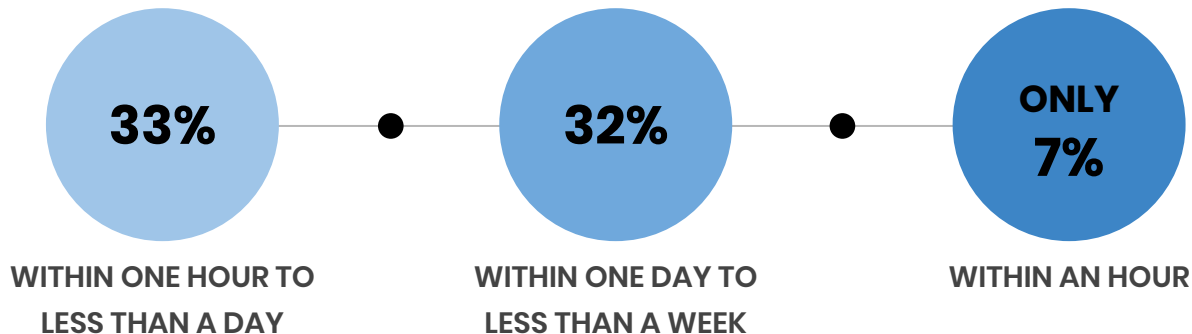
FASTER LEAD TIME
FOR CHANGES



BUSINESS CHALLENGES TO DEPLOYING DEVOPS

Delivering superior experiences at the speed of the consumer will depend on the organization's ability to develop, deploy and update at scale.

ORGANIZATIONAL ABILITY IN REMEDIATING TIME-CRITICAL VULNERABILITIES



2019 State of DevOps Report



OUR SERVICES

Our DevOps offering covers end-to-end delivery pipelines, continuous integration and deployments **across all cloud platforms.**

OUR CAPABILITIES INCLUDE

- Automating Cloud Deployment Processes (CI/CD)
- Cloud Infrastructure Designing
- Deploying Infrastructure over Cloud (AWS, GCP)
- Containerization Using Docker
- Server Configuration Management
- Automated Code Review for Syntactical Correctness
- System Monitoring through Nagios & Observium
- Infrastructure as code using Vagrant & Terraform



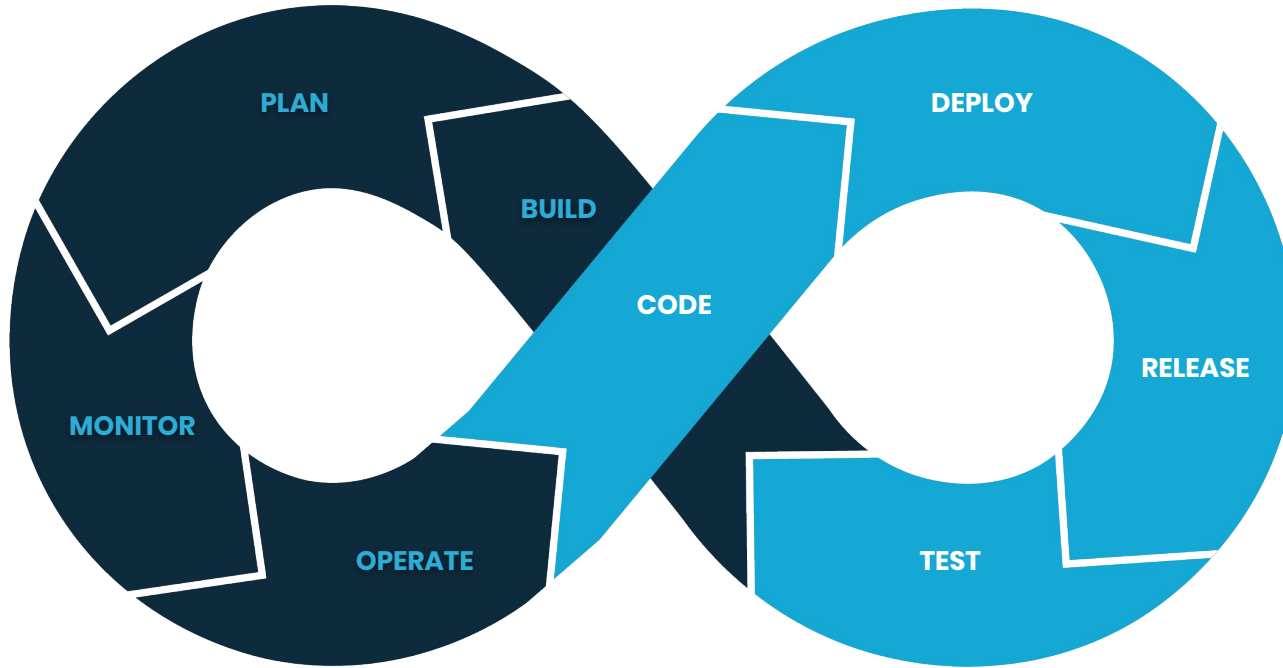
OUR DEVOPS PROCESS /1

Mantra provides guidance for the **Enterprise DevOps journey** through complete software lifecycle management solutions for any technology or delivery model.

KEY BENEFITS

- Global availability with zero downtime for applications.
- Seamlessly production changes for deployments.
- Intelligently gather real-time data and KPIs throughout the entire DevOps toolchain.
- Optimize value streams and Increase service reliability.

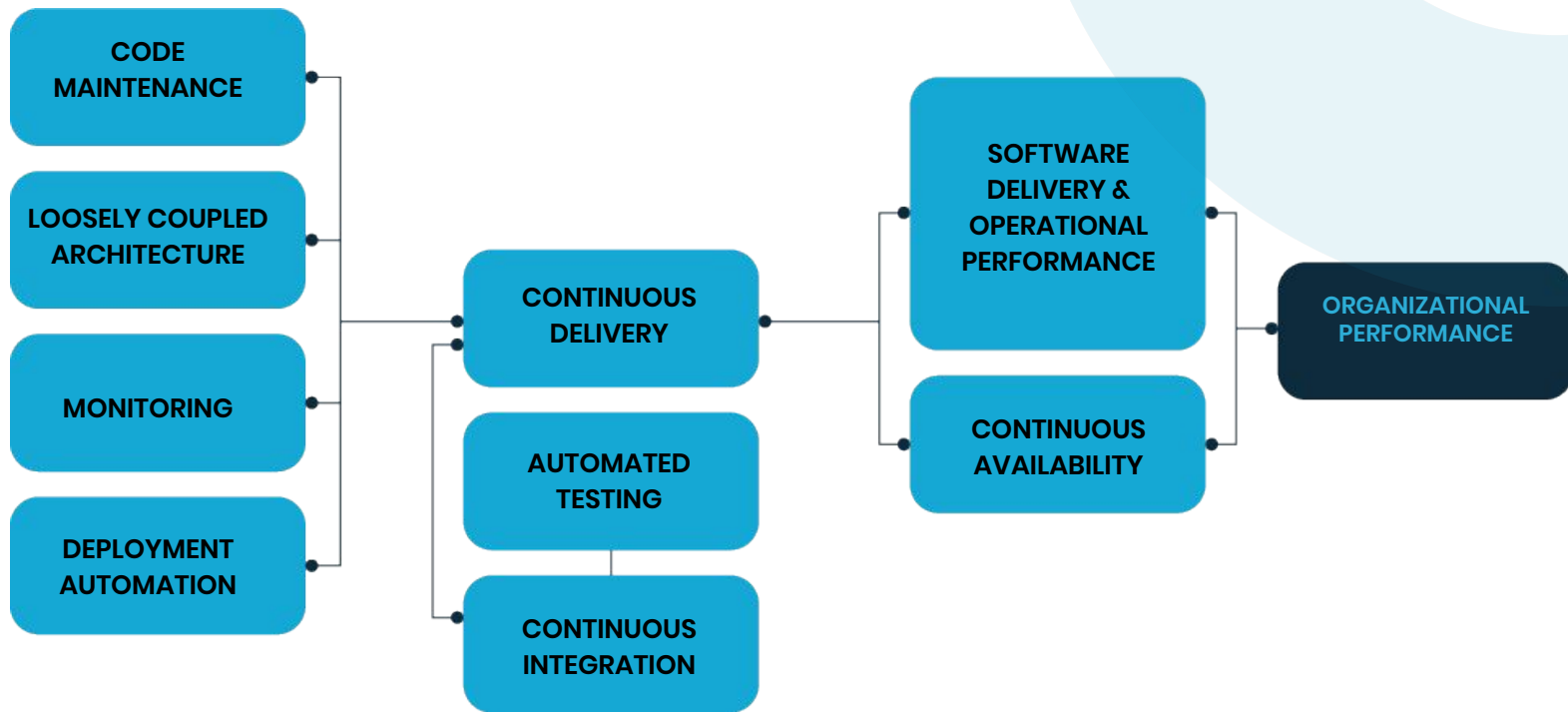
OUR DEVOPS PROCESS /2





OUR DEVOPS MODEL

Mantra's DevOps model is designed to produce more consistent release pipelines, and deeper collaboration between development, IT and business teams.



TECHNOLOGIES WE USE



To achieve continuous improvement from planning to production, Mantra relies on Industry-leading tools to ensure **continuous delivery**.

AUTOMATED PROCESSES

JENKINS, SONARQUBE,
PYTHON SCRIPTING, ANSIBLE,
DOCKER, SHELL SCRIPTING

AWS SERVICES

EC2, ECS, LAMBDA,
S3, ELASTIC BEANSTALK,
CLOUDFRONT, ROUTE53, ELB

CERTIFICATIONS



Mantra is a part of the **AWS Partner Network** (APN). The AWS Certification validates our in-demand skills and cloud expertise for building reliable & effective software for the cloud. Mantra's team of in-house DevOps experts is certified in —





OUR SUCCESS STORIES

MANTRA'S DEVOPS CAPABILITIES HAS LED TO
400% INCREASE IN LIVE DEPLOYMENT
EFFICIENCY WITH FEWER ROLL-BACKS.





CLIENT: MAJOR POLITICAL ORGANIZATION

THE CHALLENGES

Debugging, Monitoring & Scaling challenges faced by a national political organization impacted their overall campaign efficacy.

SOLUTION FEATURES

- AWS Nagios for Monitoring
- Autoscaling
- Load balancing
- Server Setup & Deployments
- Database Setup
- Database Migration
- Server Monitoring
- Network Security

KEY RESULTS

3X

FASTER RELEASE CYCLE

43%

43% REDUCTION IN
BUSINESS-IMPACTING INCIDENTS

110%

110% COST SAVINGS THROUGH
DEVOPS



CLIENT: KREEDO

THE CHALLENGES

Deploying new product features at scale became the critical path for product development & cost reduction for this venture capital-backed Edtech company.

SOLUTION FEATURES

1. Custom Architecture build with AWS S3 bucket
2. AWS Cloud Watch for Monitoring
3. Server Setup & Deployments
4. Network Security & Monitoring

KEY RESULTS

80%

REDUCTION IN STORAGE SERVER COSTS THROUGH CUSTOM SERVER ARCHITECTURES

22%

REDUCTION IN FUNCTIONAL DEFECTS

110%

FASTER TIME TO MARKET



CLIENT: RELIGARE

THE CHALLENGES

The leading health insurer experienced sharp swings in demand for its key client-facing applications, causing several issues in performance management.

SOLUTION FEATURES

1. Server Setup & Deployment
2. Cloud Monitoring
3. Database Setup
4. Load Balancing
5. Network Security & Monitoring

KEY RESULTS

66%

IMPROVEMENT IN
APPLICATION PERFORMANCE

57%

REDUCTION IN CODE
DEPLOYMENT TIME

2X

MORE ROI FROM CONTINUOUS
DELIVERY



OUR CLIENTS



Say Hello!



+91 990-261-9003



hello@mantralabsglobal.com



www.mantralabsglobal.com

