



DevOps Case Study

## Build & Release Engineering

for one of the largest travel Technology Company



**20+**

Release Environments



**20**

Releases per month



**92%**

Reduction in testing & Release cycle time

## Customer Context & Goals

The client is one of the leading travel technology pioneer, providing robust platforms and solutions to the **Travel Industry**.

The DevOps and Cloud Automation CoE helped the customer:

- Optimize development and operations activities through structured processes, automation and collaboration

## Challenges

Developing interface to manage the flow and process of CI

Monitoring, Logging, Alerting and Analytics for the distributed environment with isolated sub-systems

## Solutions

- ◆ Developed Shell scripts for code compilation, error reporting and package creation
- ◆ With 20+ releases and support desk, the team ensured exceptional customer experience
- ◆ Monitor, Manage health of 20+ release environments hosting 150+ applications
- ◆ Supported 18+ environments for the release program

## Business Benefits

- ◆ Reduced the deployment window from 20 hours to 1.5 hours with automation
- ◆ Superior travel experiences delivered by innovating, integrating disparate IT apps and systems at the Airports
- ◆ Code optimization, reduced system downtime by 90%

## Tools and Environment



### DevOps

Puppet, Jenkins, Ansible,  
ELK Stack, GitHub



### Cloud

Openstack/Openshift,  
VMWare



### Database

MongoDB, MySQL,  
PostgreSQL



### Automation Scripting

PHP, Ruby, Python, HTML



### Application Servers

Java/Tomcat



### Agile Project Management

JIRA