



DevOps Case Study

# Continuous Integration, Automation & Support

for one of the largest Travel  
Tech Company



**300+**

Applications Deployed  
and Managed



**800**

Servers



**30K**

Build per month

## 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:

- ▶ Institutionalize an enterprise Innovation framework for Continuous Integration, Continuous Delivery and Continuous Learning
- ▶ Setup data centre, create an ecosystem to support development and testing of apps and products

## Challenges

Inconsistent Release  
Management

Monitoring, Logging, Alerting  
and Analytics for distributed  
environments

Technology and Culture  
Transformation for a DevOps  
culture

Continuous Innovation -  
Interfaces to manage the  
continuous integration flow



# Solutions

- ◆ DevOps Transformation Consulting & Readiness assessment
- ◆ Continuous Integration through integrated BASH scripts fetching, compiling and integrating the code with Jenkins
- ◆ Automated Release Management
  - Plan, Schedule and Control the Builds for multi-tier apps
  - Static code Analysis
  - Test Automation (Unit, Functional, Security & Performance)
  - Environment Management, Deployment
  - Push Application artefacts using Ansible



## Business Benefits

- ◆ Close synergy between Dev and Ops team for quick software delivery
- ◆ Operations Playbooks, contributed to continuous learning
- ◆ Rationalized DevOps Governance framework with standard SLAs, KPIs and Metrics



## Tools and Environment



### DevOps

Puppet, Jenkins, Ansible,  
ELK Stack, GitHub



### Cloud

Openstack/Openshift,  
VMWare



### Database

MongoDB, MySQL,  
PostgreSQL



### Scripting

PHP, Ruby, Python, HTML



### Application Servers

Java/Tomcat



### Agile Project Management

JIRA



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