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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