

Built and managed microservices-based AWS setup for scalability and cost optimization

About the Customer

Established in August 2006, **Indigo** is an Indian passenger airline company that now occupies 55.5% of the market share as of October 2020, making it India's biggest airline. They have a fleet of 180 aircrafts today, offering a total destinations count of 87 with 63 domestic and 47 international.

Customer Challenge

Interglobe Aviation (Referred to as "Indigo") wanted to build and manage a highly scalable, secured, and highly reliable setup on AWS, with a mix of Compute resource (VM and Database) with the fully automated infrastructure provisioning and configuration management tools to cut down the efforts, time, cost, and resources needed for going to the market at a very fast pace.

Partner Solution

TO THE NEW worked with Indigo on delivering a solution that included:

- Revamping of the old architecture and moving to cloud-based highly scalable architecture using AWS EC2, RDS, VPC, ECS on AWS, and other services including:
 - Infrastructure Provisioning
 - Migrate legacy application from Datacenter to AWS Cloud
 - Centralized Logging
 - End to End Monitoring & Alerting
- Implementation of robust security safeguards to comply with the latest standards and regulations including SOC2, along with end encryption of data (at rest and in transit)
- **24x7 L1/L2 Managed Services Support** services for streamlining the processes of monitoring the overall health of infrastructure including onboarding and offboarding access Some of the major activities performed by the MSP team are:
 - Weekly/Monthly Availability, SLA and Cost Optimization Recommendations Reports
 - AWS and CIS Security Audit & Recommendations
 - Backup Management
 - OS Administration & Patching

Industry: Aviation/Travel



- ITIL Process Management (Problem Management, Change Management)
- Optimization of AWS cost by leveraging TTN's Cloud Spend Management offering. TTN's Cloud Spend Management solution provided AllyO with a list of underutilized RDS, EC2 instances, lists unused elastic IPs, EBS volumes & load-balancers, and other resources, along with purchase recommendations and cloud discounting options. AllyO also got access to TTN's MyCloud dashboard that keeps a 360-degree eye on AWS costs and sends notifications to users in case of deviations in daily, weekly, or monthly cost, and thus keeping a check on the overall AWS costs
- Migration of application from Windows 2008 to Windows 2016 without impacting business. Built Security Compliance Dashboard by using various AWS security services eg. AWS Config, AWS Cloudtrail, etc.

Result and Benefits

The use of Infrastructure provisioning helped Indigo lower the cost of application hosting and encouraged them to build/migrate more applications on AWS for security and scalability as against hosting them on DC.

- 90% time reduction in onboarding and offboarding efforts on application
- 35-40% reduction in AWS Spend within 12 months
- Infrastructure provisioning and deployment reduced from a few Days to 60 mins
- Streamlining of the reporting process and minimization of the recurring infrastructure and application issues
- through TTN's Managed Services

About Partner

TO THE NEW is a digital technology company providing digital transformation and product engineering services to ISVs, Consumer Internet, and large enterprises across the globe. We design & build digital platforms and products with Cloud and Data at the focal point by working on cutting-edge technologies.

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