

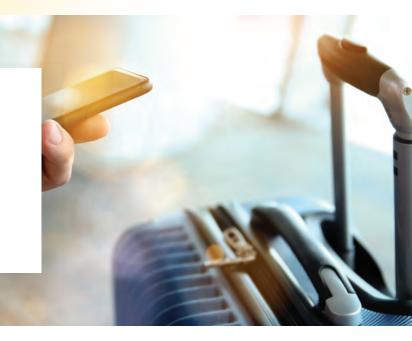
**CASE STUDY** 

End-to-End AWS Services for a Travel Technology Company Delivers Extensive Business Benefits



## Client

A travel technology company headquartered in the US and is one of the largest global distribution systems providers for air bookings in North America.



# Challenges

 $\oslash$ 

No control on unused AMI images

### Ø

Lack of visibility on Amazon Machine Image (AMI) image expiry



IP address availability management is not tracked

No validation of committed code

*C.*;

Manual AWS account setup takes longer time (2-3 weeks) and is error prone



Difficulty in releasing new infra changes

Need for cost optimization



No monitoring system for legacy accounts and AWS service outages



### **LTIMindtree Solution**

LTIMindtree team collaborated with the customer's operational and engineering teams and proposed the Migration with Managed Services solution as below:

- Designed the AMI expiry solution using AWS core services (Lambda, DynamoDB, etc.) to identify the expired images.
- Designed and developed the product to identify unused AMIs and formalized the deletion process.
- Developed one-click deployment product for building multiple accounts using AWS core services like Cloud Formation Template (CFT), Identity and Access Management (IAM), code build, and shell scripts.
- Designed and developed the new product for AWS Subnet IP monitoring.
- Integrated the Jenkins file for all AWS repositories for Continuous Integration (CI) build for every code commit.
- Built CI/Continuous Deployment (CD) pipeline and automated updation process of CFT stacks and stack set for infra.
- Developed the code to integrate AppDynamics and Trend Micro agents on all legacy instances.
- Wrote the code to delete unused snapshots for legacy instances using shell scripts.
- Implemented Amazon Health Aware (AHA) and integrated with MS Teams channel to send notifications to cloud team.



#### **Business Benefits**



**LTIMindtree** is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700 clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by 81,000+ talented and entrepreneurial professionals across more than 30 countries, LTIMindtree – a Larsen & Toubro Group company – combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit https://www.ltimindtree.com/