Managed Migration & Hosting Services - Windows Applications

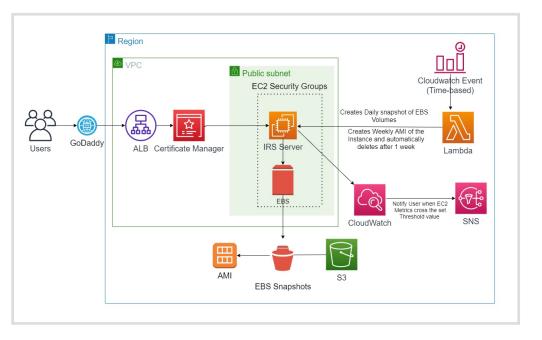


Executive Summary

International Register of Shipping (INTELREG) is a leading independent organization with 26 years of experience, internationally recognized by 31 governments and a global network of professionals. Since 1993, INTLREG has been an independent classification society working with an objective of safeguarding life, property and the environment. INTLREG is a provider of Classification, Certification, Verification, Training & Advisory Service by leveraging the worldwide network of surveyors & auditors distributed throughout the major ports of the world it has established over the years

In support of their mission "To develop and provide a portfolio of costeffective professional services, including marine classification, verification, training and advisory services for the maritime world, with a view to enable safe, environment friendly and economical marine operations by our customers", they have launched eShips platform based on Windows .Net platform. The application was built by Third Party applications developer based out of India.

INTELREG decided to host the application on on AWS Cloud and their current IT Services provider did not have qualifications to assist INTELREG cloud application hosting on AWS. INTELREG turned to us, BizCloud Experts, an AWS Advanced Partner to assist with create vitrual private cloud, deploy the windows infrastructure, assist with application deployment and provide managed application management services including back up and recovery for the eShips platform on AWS Cloud.



About IRS (INTELREG)



INTLREG establishes and administers Rules and Guidelines for the classification of ships, and other floating marine structures covering their design, construction, and operational maintenance for the purpose of determining the structural and mechanical fitness for their intended purpose.

They are headquartered in Panama City, Panama with their global office located in Miami, FL. They have 15 regional offices worldwide.

Need for Solution

INTELREG needed a partner that could help migrate and manage windows applications on AWS Cloud.

Given the nature of business (24x7), their development partners being India, Executive team in Miami, FL, they were looking for an AWS partner to provide managed windows application hosting services on AWS.



Results

- VPC and Windows infrastructure delivered in 1 week
- Supported application configuration and rollout for 4 weeks
- Automated Backup and recovery
- Improved Security by enforcing VPC, utilized Private/Public Subnets
- Managed and Monitored application for 12 months (still under management)

AWS Services

- AWS EC2 Windows Workloads
- AWS Data Migration Service
- SQL Server Hosting on Windows
- Application Load Balancer(ALB)
- Virtual Private Cloud (VPC)

Why is INTELREG working with BizCloud Experts

BizCloud Experts is an AWS Partner Network (APN) Advanced Consulting Partner with multiple AWS Service Delivery designations. INTELREG contacted BizCloud Experts thru APN partner finder. They were looking for US based partner to work India Development and their US Global team to engineer, architect and deploy eShips Platform on AWS. Upon project completed they extended the relationship to a managed services that includes monitoring, OS Management and Backup/Recovery. We recently completed 18 months of service and further extended the contract by a Year.

BizCloud Experts commitment agile delivery to accelerate complex initiatives is reflected in the following quote: "The team at BizCloud Experts has been managing our AWS account, monitoring our windows applications, database portal and backup and recovery process. The team is highly responsive to our requests and their billing and accounting process is very flexible. It has been a seamless experience working BizCloud Experts-Managed Services team for AWS." Jayachandran Karumathil, M.Sc, CEng, Marine Director, INTEL REG

Implementation Summary:

- Right Sized Windows Application Servers for Application launched VPC, Windows Application servers for Dev and Production using Cloud Formation
- Reconfigured machines to add EBS storage volumes and created windows credentials for application developers and application use as requested by INTELREG development team
- Installed all required application components as listed in Statement of Work and discovered working with application team. The Application needed a range of component ranging from IIS/.Net Framework to 7 zip
- Installed and configured MS SQL Server 2017 and associated products and configured the web and application layers
- Deployed AWS ALB and re-configured Go Daddy DNS Setting to redirect application traffic. Generated appropriate certificates and created appropriate security groups
- Enable Automatic Snap Shot policy and cloud watch events to ensure system has daily snap shots and weekly full back up
- Monitored the environment for 18 Months without any major issue

About BizCloud Experts

BizCloud Experts is recognized as a leader in developing solutions using Serverless computing technologies, and automating IT services. We innovate, transform and seamlessly blend digital and physical platforms. To learn more, visit our site, follow us on Facebook, Linked-In, Twitter, call us @+1 (214) 206 8976 or email sales@bizcloudexperts.com.

