



CASE STUDY

DEVOPS - DEVSECOPS IMPLEMENTATION FOR AN ADTECH FIRM USING MONITORING-AS-CODE

Reduced the mean-time to repair by 70%.

Client Background

Our client is an advertising technology firm helping customers. The client had a footprint of 11 datacenters with over 5000+ systems and 60 PB of Hadoop data. The client faced difficulties in managing 7000+ internal DNS records with load balancing and weight. This led to reliability issues while serving service requests from customers, making the turnaround time higher. The client objectives included:

- Automate the deployment of code through CI/CD pipeline.
- Achieve quick commissioning of bidders, Adservers, Hadoop nodes, relevant analytics, and revenue recognition services as needed.

Xoriant Solution | Key Contributions

The client chose Xoriant as its technology partner considering its longstanding relationship with Microsoft as an Azure Cloud Gold Partner. The client trusted Xoriant's three decades of experience, expertise, industry best practices, and pre-packaged ready-to-use Monitoring-as-Code solution for Azure cloud. Our key contributions include:

- Architecting and deploying 70% of automated DevOps lifecycle using homegrown solution.
- Provisioning Docker, Kubernetes, Azure MaC, Python Fabric for bare metal or virtual machines.
- Monitoring service requests to automate workflows for incident remediations.
- Using HashiCorp Vault for authentication and session management of the entire application suite.

KEY BENEFITS

- Reduced the mean time to repair by 70%.
- Provided ease of use with server and service metrics dashboards for alerting any request.
- Achieved no overheads with 0 Day patching and rollbacks with a reliable mechanism to replicate organization-wide policies.

- Using Elasticsearch, Logstash and Kibana (ELK) for log analytics, security information and event management.
- Managing the dynamic updates to DNS through custom functions in Ruby, invoked by Puppet runs on DNS servers.
- Ensuring change management compliance using Fisheye and Jira metrics.
- Monitoring server and service metrics using Grafana.

Client Testimonial



Xoriant is the go-to security partner with a strong team that understands the domain and delivers solutions with a customer-focus mindset. With their quick security and MS Azure expertise, we are now easily able to manage our business systems without any challenge.



Technology Stack

Command Database Management | Ruby on Rails | Puppet libraries for CMDB | Puppet Hieria | Git | Gerrit | Jenkins | SonarQube | Selenium SE | OpenGrok | Rundeck | Nagios Grafana | Graphite | ELK | Jira | Fisheye | Nagger | Catchpoint | New Relic Docker | Kubernetes | HashiCorp Vault | Azure DevOps



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