

Xoriant's Everything-As-Code Automation Framework Solves Infrastructure and Security Challenges

How we resolved load balancing and server weight issues leading to greater reliability, service delivery & security

The client is a prominent in the realm of Demand Side Platforms (DSP) for Programmatic Advertising, boasting a global presence spanning 11 data centers and over 5000 systems, with a staggering 60 PB of Hadoop data.

Challenges

The client grappled with multiple challenges managing load balancing and server weights for 7000+ internal DNS records.

Secure the perimeter and automate the deployments

Automate infrastructure provisioning, patching and security

Enable On-Demand Provisioning for Key Services

Solution

As the technology partner, Xoriant leveraged its extensive experience, expertise, and longstanding relationship with AWS as an Advanced Consulting Partner to deliver key solutions.

Deployed

70% of an automated DevSecOps lifecycle using a proprietary solution

Enabled

Infrastructure as Code methodologies for efficient infrastructure management

Leveraged

Monitoring as Code to oversee services & incorporated automated workflows for incident remediation

Employed

Security as Code paradigms to enforce security controls across the infrastructure and networks

Fortified

Certificate, session, and credential management through Security as Code methodologies

Managed

Dynamic updates to DNS through custom functions in Ruby invoked by Puppet running on DNS servers

Business Value



Slashed

Annual spend by a remarkable \$150,000



Achieved

An 80% reduction in threats and attacks



Lowered

The provisioning time for multiple different services from hours to minutes

Technology Stack

Ruby on Rails | Puppet libraries for CMDB | Puppet | Hiera | Git | Gerrit | Jenkins | SonarQube | Selenium SE | OpenGrok | Rundeck | Nagios Grafana | Graphite | ELK | Jira | Fisheye | Nagger | Catchpoint | New Relic | Docker | Kubernetes | HashiCorp Vault | AWS

Xoriant provides advanced technology solutions and software development services for global banks, software product companies and F500 market leaders. Based in the U.S. with 18 global offices and 5000+ engineering professionals, Xoriant demonstrates exceptional experience in banking and finance infrastructure modernization and cloud migration. We deliver expert digital engineering, as well as offsite and offshore services, across high tech, healthcare, pharma, industrial manufacturing, telecom, and automotive sectors. Customers credit technological innovation and delivery excellence for our shared success over three decades.