OVERVIEW

apervita Six Nines helped establish and validate Apervita's foundation for growth and scale by putting automation around security and governance on the entire environment and HIPAA Architecture, setting the cloud-based healthcare data & analytics company up for success as they prepared to experience exponential growth at an accelerated pace. Using a bespoke, three-phase approach, Six Nines worked closely with the company's Chief Information Security Officer (CISO) to successfully perform a Discovery & Review, Remediation and Well Architected Review – all within a four-week time frame, from start to finish.

CHALLENGES

Apervita is an industry-scale Platform-as-a-Service (PaaS) that enables health enterprises to accelerate the availability of rich and meaningful health insight, empowering the industry to deliver value faster and reduce cost across many areas of care. The company serves some of the largest, fastest-growing, most recognized and most established enterprises in healthcare. Primed for explosive growth, Apervita needed to be able to scale quickly while minimizing impact on their current production, as well as improve the operational efficiency of their cloud infrastructure. Because Apervita's cloud-delivered services and platforms use patient data – both clinical and financial – adhering to strict HIPAA compliance was essential. Having successfully migrated Apervita to Amazon Web Services (AWS) in 2017, Six Nines stepped in again to help position the company accordingly to accommodate exponential growth with a core focus on security.

SOLUTION

Six Nines developed and implemented the following three-phase methodical and prescriptive approach, employing best practices:

1) Discovery and Review: Six Nines began by conducting a comprehensive assessment of Apervita's existing cloud environment, to identify security, auditing and governance components for accountability. Six Nines then prescribed a recommended strategy based on the team's decade of AWS experience and deep knowledgevof best-of-breed technologies and third-party solutions.

2) Remediation: During the hands-on implementation phase, Six Nines integrated with AlertLogic for network Intrusion Detection and Prevention (IDPS) logging and monitoring and business logic alerting metrics for complete security visibility. Six Nines also leveraged AWS Config to help Apervita assess, audit and evaluate the configurations of its AWS resources for additional compliance reporting. AWS Lambda was used to automate the tagging of all AWS infrastructure to drive additional automation, reporting and compliance, including the tagging of unencrypted EBS volumes for remediation and compliance reporting to auditors. Six Nines implemented AWS GuardDuty for its managed threat-detection capabilities and integrated the service with AlertLogic to create a single pane of glass dashboard for the CISO. Additionally, the team deployed Six Nines' Cloud CIO™ solution for added visibility into spend, billing and cost-optimization.

3) Well Architected Review Workshop: For the third phase, Six Nines spent two days on-site with the customer for a deep-dive exercise centered around the AWS Well-Architected Framework's five pillars and to explore design principles and best practices. The Six Nines team used this framework to provide a consistent approach for Apervita to evaluate architectures and provide guidance to implement designs that scale with their application needs over time.

AWS SERVICES USED
- Amazon Elastic Compute Cloud (Amazon EC2)
- Amazon Simple Storage Service (Amazon S3)
- Amazon Relational Database Service (RDS)
- Amazon Redshift
- AWS Config
- Amazon GuardDuty
- Amazon CloudWatch
- AWS CloudTrail
- Amazon ElastiCache
- Amazon Kinesis
- AWS Lambda

SIX NINES EXPERTISE
- Billing & Optimization
- Six Nines CloudCIO™
- HIPAA Compliance
- Security & Governance
- Authentication & Audits
- Migration

RESULTS

Six Nines improved upon Apervita's existing cloud architecture and monitoring systems by leveraging best-in-class technologies including CloudWatch, CloudTrail, Alert Logic, and AWS Config. Apervita can now further develop compliant healthcare analytics solutions with an enhanced infrastructure to support and ease their work and accommodate the company's rapidly accelerating growth. Additionally, through Cloud CIO™– Six Nines' innovative billing optimization and resource monitoring solution – Apervita is able to monitor and understand their spend as well as identify opportunities to reduce costs. Six Nines was able to develop and implement all three phases of the plan from start to finish in less than four weeks.

aws partner network

Premier
Consulting Partner

DevOps Competency

Microsoft Workloads Competency

Solution Provider

WHY SIX NINES?

Six Nines IT is an AWS Partner Network (APN) Premier Consulting Partner and AWS Solution Provider specializing in helping businesses migrate to the cloud responsibly. A member of the APN since its inception, Six Nines has successfully migrated hundreds of customers across all industries to the cloud and offers an unparalleled combination of speed, agility, experience, and proprietary solutions to deliver accelerated solutions and a rapid time-to-value. The Oakland-based company combines old-school, on-premises IT roots together with deep expertise and a laser focus on all things AWS – including a core concentration on High Performance Computing and Microsoft Workloads (AWS Microsoft Workload Competency and AWS DevOps Competency) – to deliver bespoke solutions that are individually tailored to meet customers' unique needs throughout the cloud lifecycle.

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