R SYSTEMS

CLIENT:

crosscode

IMPLEMENTING CROSSCODE PANOPTICS (SaaS) PLATFORM ON AWS

Crosscode **eliminated 50–70% time & cost** on identifying and analyzing impact on IT assets during business change

Problem Statement

Crosscode was finding it difficult to manage application architecture & clear a path to deliver robust code in a quick, cost-effective manner during business change. This was hampering Crosscode's ability to get fresh, innovative code into production quickly and reliably.

Business Need

An enterprise-grade software with business capabilities to identify and analyze impact on IT assets during business change.

Solution Approach

- An enterprise-grade software that holds business capabilities with their IT assets.

- The solution was developed in JAVA and deployed on AWS PaaS solution Elastic Beanstalk because of its 99.95% availability; Amazon Aurora database technology, which features a fully distributed self-healing storage system; Amazon S3, which features a high durability; Amazon SQS for decoupling the service; and Amazon CloudFront to server the content fast.

- The system includes comprehensive security capabilities, including end-to-end encryption and multilevel security for cloud services.

- Enterprises can analyze impact of each asset within the business to make accurate estimates of time & cost.

As a part of the solution, we:

- Implemented robust SaaS model compatible with multiple IT assets

- Enabled the users to view their current capabilities with process level decomposition & IT enablement

Technology Stack

AWS Elastic Beanstalk	Amazon Cognito	Amazon API Gateway	AWS Lambda Function	Elastic Load Balancer	Amazon EC2
Amazon CloudFront	Amazon DynamoDB	Amazon SNS	Amazon SQS	Amazon S3	AWS Batch
Amazon ElastiCache	Amazon Elasticsearch	AWS CloudTrail	Amazon CloudWatch		

Benefits

- Eliminated 50–70% time & cost on identifying and analyzing impact on IT assets during business change

- Empowered large enterprises to change their business architecture in real time

- Enabled users to make changes to existing processes or create new business processes

- Enabled users to analyze impact from an IT architectural standpoint and view in real-time code level changes

- Helped customers reduce development costs, accelerate time to market, and drive system reliability