

SCALABLE AND SECURE CLOUD DELIVERY FRAMEWORK SPEEDS BUSINESS GROWTH

CLIENT PROFILE

Industry: Top Fortune 70 Company – global entertainment operator

Company: One of world's top brands, \$45bn+ annual revenue

Location: Worldwide

Employees: 170,000+

TOOLBOX/TECHNOLOGIES



BUSINESS

- Global entertainment operator with multiple business units, including Television, Film and Leisure Parks
- Each business unit has its own customer databases, trading partners and business models
- Brand reputation and data governance of paramount importance

CHALLENGE

- Multiple business units wanted greater application velocity and pushed to move for faster deployment to the cloud
- Internal teams concerned by out-of-policy deployments and increase in "Shadow IT"
- Denial of all business unit cloud requests would only increase bypassing of the central organization

SOLUTION

- Introduction of automated auditing and security framework platform, hosted on AWS and Microsoft Azure
- Ease-of-use and framework simplicity built in to drive adoption potential
- Created with full support by Contino (proof-of-concept code developed)

BENEFITS

- Business agility demands and security concerns addressed simultaneously
- Low-cost security enforcement converted hundreds of AWS sub-accounts over to a compliant status
- Skills transfer model ensured teams possessed sound API management knowledge going forward

BUSINESS

The client's vast range of business units across diverse areas of the entertainment industry had given rise to an increase in both the complexity and volume of deployment

requests to remain competitive. This was coupled with the need for industry-leading application quality to safeguard the reputation of globally recognized brands.

CHALLENGE

One key initiative was the migration of data centers to a private cloud and adoption of Infrastructure-as-a-Service (IaaS). However, in parallel, various business units wanted to take an Amazon Web Services (AWS) route to accessing services from cloud service providers, despite the central organization not supporting this move. Business demands were outpacing the IT team, as they did not offer a process to consume and deploy applications as a public service. Once a pipe was opened up between the vendor and the client organization, it could expose the company to significant security risks, as a bad configuration can result in a number of "holes" that hackers can potentially exploit. This was particularly

concerning given that a number of customers in the company's database were minors.

The number of requests were simply too great for the central team to manage and, as a result, certain business units would simply go to AWS with their credit cards and gain access. The internal IT organization realized it would be unrealistic and poor business sense to refuse every request, as there were too many business units with vastly different requirements. Facing the dilemma of how to enable colleagues to deploy into the Cloud quickly to add value, yet do this in a secure fashion, the company approached Sendach.

SOLUTION

After a consultation and analysis process which featured meetings and interviews with key stakeholders, Contino approached the problem by architecting the design and implementation of internal auditing tools for cloud vendors, and abstracting interaction with vendor APIs. This abstraction allowed for a repeatable and known approach to assessing the security of internal deployments to public clouds.

The client responded positively to this proposal, but was grateful when Contino also offered to take a "hands on" approach and develop proof-of-concept code ahead of when the new process workflows would be assigned to team members. In turn, this support from Contino helped keep internal team members focused on their core

strengths, which were around delivering business logic. Contino also acted as technical advocate for the organization when working with vendors, helping the client ensure their needs were addressed with sound technical solutions that met stringent criteria.

This advocacy was complemented by mentorship and technical leadership of various teams as they designed and implemented their own services in a public cloud. In parallel, Contino also provided architectural guidance on infrastructure and services in AWS.

BENEFITS

Most of the client's internal teams are now registered through the automated auditing and security framework hosted on AWS and Microsoft Azure, and developed under Contino's guidance. The new platform was implemented by Contino engineers working closely with the client's internal team, who, in keeping with the Contino approach, now have a solid understanding of how to abstract

vendor APIs and can move forward on their own with new vendors. This move brought several hundred AWS sub-accounts into a compliant state, which were then permitted to deploy in AWS and connect to the data center. Now the engineering organization can consume services using an automated framework that balances agility with security.

ABOUT US

Contino is a technology and services company specializing in DevOps, Continuous Delivery, and transformational programs. The company's Rapid Prototyping and DevOps Acceleration services help organizations speed time-to-market for high quality new and re-tooled applications. From strategy and operations to culture and technology, Contino helps business and technology leaders identify and address opportunities for growth and profitability. Contino provides training, development, deployment and optimization services for the full stack of DevOps and Agile technologies including application lifecycle management (ALM), modern development and Continuous Delivery tools, micro-services architecture, containerization, security, analytics, testing and cloud infrastructure platforms.

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