

VIUTV CHOOSES CLOUDGUARD CLOUD SECURITY POSTURE MANAGEMENT TO SECURE MULTI-CLOUD DEVOPS ENVIRONMENT



Customer Profile

ViuTV is a licensed free television station in Hong Kong offering diverse programming choices.

Challenge

- Secure assets and infrastructure across multiple clouds
- Minimize cyber risk associated with misconfigurations
- Strengthen security governance and compliance

Solution

- Check Point CloudGuard for Cloud Security Posture Management

Benefits

- Secures infrastructure and applications across multiple providers' clouds
- Provides cross-cloud visibility and management from a single platform
- Automatically detects and remediates compliance violations and configuration errors

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- Roger Lau, Technical Head, ViuTV Digital

Overview

Established in 2016, ViuTV broadcasts a 24-hour Cantonese-language channel and a 16-hour English-language channel. Known for its creative productions, ViuTV offers a number of reality shows, dramas, talk shows, variety shows, and travelogues. It also offers finance, music, and sports programs to its Hong Kong audiences.

Business Challenge

Securing Multiple Clouds and Accounts

Although ViuTV originally launched its services using a traditional physical infrastructure, it quickly became clear that the cloud was the company's future. Migration to AWS enabled ViuTV to more easily handle unpredictable traffic volumes created by on-demand content. Cloud also eliminated intensive server management, costly idle capacity, and barriers to development. The team was freed to innovate. Increasingly focused on platform development, ViuTV's cloud footprint expanded rapidly.

"The number of developers working on the platform grew rapidly," said Roger Lau, Technical Head, ViuTV Digital. "The number of AWS accounts increased, and we added accounts with other cloud providers. It became

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harder to see all of our attack surfaces, and therefore, more difficult to clearly assess risk."

ViuTV faced three significant security challenges. The first was a lack of visibility across all of its cloud accounts and assets. Lau and his team needed to ensure that cloud resources were being used properly and that no data leaks or security loopholes were opening the door to threats. The second challenge was protecting against misconfiguration risk. Finally, ViuTV wanted to ensure compliance with security standards and frameworks as part of its overall risk management strategy.

Lau and his team evaluated the security options being offered by its cloud providers. Although each offered unique features, they were too fragmented to deliver the visibility and control ViuTV needed. That's when the company turned to Check Point.

SOLUTION

High Fidelity Posture Management

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CloudGuard Posture Management (CSPM) automates governance across multi-cloud assets and services. It visualizes and assesses security posture, detects misconfigurations, automates and enforces policies, and protects against attacks and insider threats.

With multi-cloud visibility across the entire ViuTV architecture, the team can now see all network traffic and assets. They can also monitor the network topology and firewalls, as well as discover vulnerabilities such as compromised workloads, open ports, or misconfigurations in real time.

Perfect for DevOps Environment

Server, container, or application misconfigurations can happen easily as developers rapidly iterate and test software across multiple connected resources. Check Point CSPM quickly detects and remediates misconfiguration issues and enforces security best practices automatically on each cloud.

Ensuring that developers use cloud resources correctly is essential to strong governance. In AWS, an Identity and Access Management (IAM) user is an entity consisting of a name and credentials that represents a person or application interacting with AWS. Check Point CSPM enables ViuTV to manage granular permissions across multiple clouds to protect and control IAM users and roles. The company gains even more control with Check Point CSPM function server protection. This capability adds a

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layer of protection to every function, including ports, IAM roles, and security groups. In seconds, roles and assets are protected.

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Benefits

Continuous Protection, Automatically

Check Point CSPM enforces compliance and remediates violations automatically using CloudBot technology. When CSPM detects a violation, such as an unencrypted S3 bucket during runtime, it calls CloudBot, which automatically turns on encryption and sends a remediation notification. CSPM also contains a feature known as ShiftLeft, which scans for vulnerabilities in code and containers in CI/CD workflows.

"When we identify a security issue, we immediately tackle it with CloudBot," said Lau. "CloudBot technology also enables us to preset actions using Check Point's predefined remediation functions or by writing our own procedures. Either way, we stop potential security risks before they start."

Robust Governance Across Clouds

ViuTV is committed to standards, such as Center for Internet Security (CIS), National Institute of Standards and Technology (NIST), and AWS Well-Architected best practices. Check Point CSPM provides more than 1500 out-of-the-box rulesets, making it easy to implement governance across clouds. ViuTV also can customize rules using CloudGuard Governance Specification Language (GSL).

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Next Step, DevSecOps

ViuTV expects to continually embed security into its DevOps culture, practices, and tools as it moves forward. Check Point CSPM gives Lau's team solid footing. The "ShiftLeft" approach of adding security earlier in the development workflow will enable ViuTV to secure infrastructure and applications from application development through cloud deployment. Check Point's flexible licensing makes it easy to take the next step from the same Check Point CSPM platform.

"Check Point allows us to build applications with a security mindset," said Lau. "This is becoming increasingly important to our customers. Check Point gives us this critical protection across clouds, applications, and infrastructure. It's what we're focused on for the future."