ISIL elevates cybersecurity protection via the cloud

Leading higher education institution in Peru prevents malware disruptions and streamlines and simplifies cybersecurity administration

One of Peru's leading and most innovative leaders in higher education, ISIL serves more than 15,000 students. ISIL offers career-focused academic programs to help students succeed in today's technology-driven job market. ISIL's programs include more than 25 technical career programs, as well as bachelor's degrees in business administration, marketing, design, and information technology.

Industry
Higher Education

Headquarters
Lima, Peru

Employees
480+ employees (IT staff, 17)

Results
- Prevented malware disruptions for six years
- Security administration time reduced by 35 percent
- Increased success rate of up-to-date patches from 55 to 95 percent
- Security-related trouble inquiries decreased from 15 to 06 per week

THE CHALLENGE

ISIL, one of Peru's largest higher education institutions, sought to mitigate the risk of cyber-attacks. In addition, ISIL wanted to centralize and manage risk analysis and security administration from the cloud—capabilities that were lacking in its prior cybersecurity solution.

ISIL's IT team evaluated solutions from Bitdefender, ESET, and Kaspersky and determined Bitdefender GravityZone offered the best endpoint detection and protection (EDR).

Edson Forno Quinones, Head of Operations and IT Infrastructure, ISIL, says, "Six years ago, we selected Bitdefender GravityZone for its strong EDR capabilities. Since then, GravityZone has done an excellent job protecting our infrastructure. We've benefitted from Bitdefender's steady stream of advanced cybersecurity features. We also like GravityZone's easy-to-use cloud console and sophisticated risk analytics."

THE SOLUTION

ISIL uses GravityZone Business Security Enterprise and GravityZone Business Security Premium to provide 1,400 endpoints with integrated EDR, threat detection and prevention, and risk analytics. In addition, GravityZone's EDR capabilities continuously monitor the network to uncover suspicious activity and provide the tools needed to defend against cyberattacks.

Further, GravityZone Business Security Enterprise integrates the granularity and rich security context of EDR with infrastructure-wide analytics of Bitdefender eXtended Detection and Response (XDR) technology.

The school's endpoint environment protected by GravityZone includes Citrix Virtual Apps and Desktops, macOS, Linux, Microsoft Windows, VMware ESXi, and VMware vSphere servers and workstations, as well Amazon Web Services and HUAWEI cloud.

Applications running on ISIL's GravityZone-protected endpoints include Adobe, Autodesk, Microsoft Active Directory, and Microsoft SQL Server.

In addition, ISIL uses GravityZone Patch Management to automate patching of operating systems and applications.

THE RESULTS

ISIL appreciates GravityZone's prevention of intrusions while simplifying day-to-day security administration.

Martin Cieza Mejia, Network and Communications Administrator, Operations and IT Infrastructure, ISIL, states, "GravityZone has protected us from any malware-related disruptions for six years. As a multi-layered solution, GravityZone provides real-time alerts, detailed reports, and analytics that we use to make changes and harden our infrastructure. Because everything is centralized and cloud-based, it's simpler to see endpoints and fix issues in real time. GravityZone cloud console is as easy to navigate as a Web browser."

With administrative staff and students often remote, GravityZone's cloud capabilities have been especially valuable according to Cieza Mejia: "Because many in our community work and study remotely, we like that we can install and manage endpoints from the GravityZone cloud console."

Cieza Mejia continues, "Since we manage almost everything remotely and GravityZone is more reliable and easier to use, we've reduced our time on security administration by 35 percent. Security-related trouble inquiries has decreased from approximately 15 to 6 per week on average. We also no longer need a dedicated on-premises security server, which saves both capital and operational expense."

Previously, the IT team needed to manually update servers and workstations with the latest application and operating system patches. Since implementing GravityZone Patch Management, the process is automated and has increased the success rate of up-to-date patches from 55 to 95 percent. Not only is there a time savings, but the overall environment is more secure with up-to-date systems whether they are remote or on premises.

Another advantage of Bitdefender is customer support. During the pandemic when the administration shifted quickly to remote work, Bitdefender and its partner worked quickly to adapt the cybersecurity environment.

Forno Quinones says, "The excellent support we receive from Bitdefender reinforces our decision to stay with GravityZone after all these years. There is always someone to reach and trust at Bitdefender."

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Martin Cieza Mejia, Network and Communications Administrator, Operations and IT Infrastructure, ISIL

Bitdefender Footprint

- GravityZone Business Security Enterprise
- GravityZone Business Security Premium
- eXtended Detection and Response (XDR)
- GravityZone Patch Management

IT Environment

- Adobe
- Amazon Web Services
- Autodesk
- Citrix Virtual Apps and Desktops
- HUAWEI Cloud
- Microsoft Active Directory
- Microsoft SQL Server
- VMware ESXi
- VMware vSphere

Operating Systems

- Linux
- macOS
- Microsoft Windows

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