Case Study
CISCO Firewall

ABOUT THE CUSTOMER

The company is a full-service general construction contractor. It offer Design-Build, Construction Management, Lean Construction, Building Information Modelling, Feasibility Studies, Space Planning, Material Testing and Inspection Services in all domains of construction. Since its inception, the company has completed many projects, which includes commercial, industrial, public work, distribution, transportation, retail and educational institutions.

CHALLENGES

The company has a culture of forward-thinking and proactive approach for solving problems. The company corporate office and the satellite offices had independent network infrastructure without a unified communication and collaboration mechanism. As a massive amount of data transferred from multiple locations, there was a risk of data breach and infiltration into the company systems.

The company didn't have a solution to manage its offices seamlessly to make sure the daily phone calls, file transfer, and communication could run smoothly. The company's IT management team did not have visibility of the entire network, including mobile devices and the ability to add and remove devices for new employees and clients easily.

TECHNICAL OVERVIEW

- Cisco ASA 5508-X and ASA 5506-X Firewalls come with FirePOWER services.

- NGFWs Firepower have a Firepower Management Centre to control and manage the policies and access.

- Cisco Next-Generation Intrusion Prevention System (NGIPS) to prevent external and internal intrusion.

- Cisco Application Visibility and Control (AVC) module to track user activities.

- URL filtering and Cisco Advanced Malware Protection (AMP) to identify and protect from key and persistent threat.

OBJECTIVE

To ensure business continuity and protection of valuable data, including intellectual property, the company wanted to upgrade its aging hardware security tools with the latest security controls. The IT Team of the company proposed to have a solution that could simplify the management of security across the organization. The idea was to have a unified common platform that could provide software applications, operating systems, users, files, and web URLs on the network. The company wanted a technology that ensures the protection of the networking and IT infrastructure from cyber breaches.

SOLUTION

ISSQUARED® proposed to install Cisco Next-Generation Firewall at the company to interconnect devices and achieve comprehensive cyber threat protection. After discussing with our network experts, the company asked us to deploy ASA 5508-X in its corporate office and ASA 5506-X in the satellite offices. Network Manager of ISSQUARED® also ensured that the base configuration and security policy structure were also optimized and consistent with modern standards.

KEY BENEFITS

After installation of Cisco ASA 5508-X and ASA 5506-X Firewalls across its offices, the company can now see what's going on within its network and interconnected devices. The company can now track which user is visiting a malicious website or is downloading and uploading malicious content. These firewalls have improved the security capability and visibility of traffic over the company network. A list of additional benefits is listed below:

Traffic Control: Offer the ability to control traffic and decide which access should and shouldn't reach the server.

Default Rules: Provide the capability to create default rules that applied to all the devices.

Port Access: Control privilege access or restriction to access ports like RDP, SSH, and others.

Manage Control: Provide access to the networking team to manage, configure, and troubleshoot with easy to use control panel.

Threat Detection and Mitigation: It helps to identify vital and persistent threats. Cisco Next-Generation Intrusion Prevention System (NGIPS) and Advanced Malware Protection can be a consumer of cyber threats according to which the IT team could set security policies.

Future Plans: Today, the company has fully embraced Cisco Meraki and Cisco Firewalls across all of its offices. For future development, ISSQUARED® has proposed enterprise service management solutions, Fabulix Service Manager for service requests and incident tracking to automate the process of request handling. With Service Manager, the company can improve end-user access, automate communication and responses, and enhance service delivery.
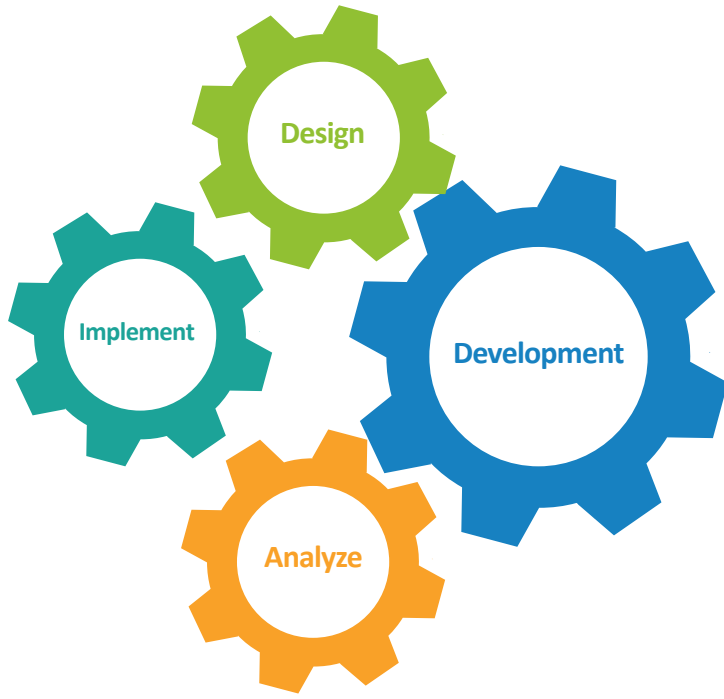
ISSQUARED®

ISSQUARED® is one of the leading providers of end-to-end IT technology solutions, delivering fine-tuned services across IT Security, Cloud, Infrastructure, Unified Communications, Industrial Operational Technologies and other solution areas. For many years, ISSQUARED® has been helping several Fortune 500 organizations and delivered several multi-million-dollar projects. Our proven expertise takes our clients through a seamless digital and security transformation, resulting in rapid business benefits and positions them for future success.

ISSQUARED® is headquartered in Westlake Village, California, US. It offers global delivery capabilities with its presence across the UK, Ireland, the Middle East, India, Singapore and other parts of the US too.

Design

Implement

Development

Analyze

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