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THALES

A Leading Original Design Manufacturer (ODM) Partners With Thales To Secure Its Data-in-Motion

The Organization

A leading global Original Design Manufacturer (ODM) with operations spread across Asia, North America, and Europe. Specializing in contract manufacturing and after-sales support services for some of the top global brands in the Information and Communication Technology (ICT) industry, they operate a state of the art manufacturing and servicing facility in India.

The Business Challenge

Responsible for the manufacturing and servicing of Laptops, Desktops, Servers, Storage systems, Mobile Phones, and a plethora of Networking and Communication products, the company generates and transmits huge volumes of critical business data across its various manufacturing and servicing facilities.

While the company had implemented frontline defense mechanisms like firewalls, antivirus, antimalware systems, etc. to protect its data-at-rest, there always existed an inherent risk to the data transmitted across its network environments.

To ensure the foolproof security of this network data and adhere to the various compliance mandates of protecting sensitive data, the company were keen to onboard a technology partner that could help cohesively protect its data-in-motion.

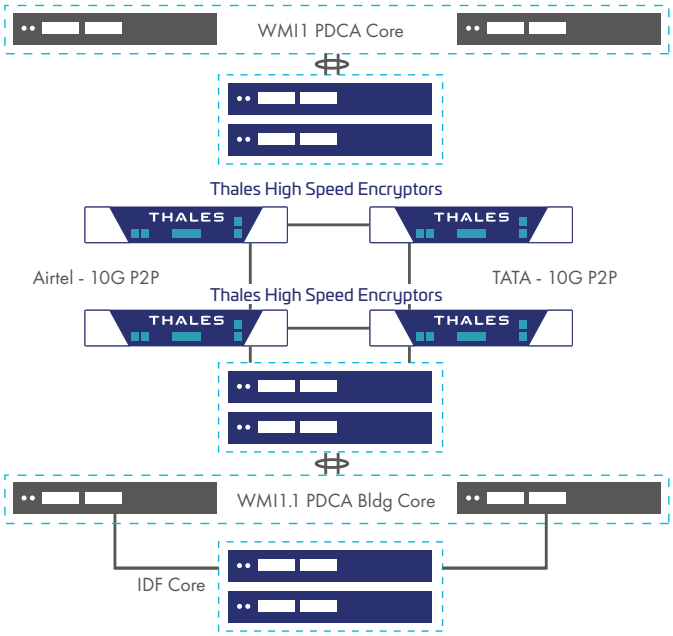
The Technical Challenge

The company needed a solution that could protect sensitive data without any additional network and operational overhead while complying to security standards like FIPS 140-2 Level 3.

Furthermore, the company wanted a plug & play, 'deploy and forget' solution that did not need any post-deployment maintenance.

With each site connected with two 10 Gbps active and passive links, the company wanted a solution to be deployed at each link without any significant changes in the overall network topology while achieving near-zero latency.

Depoyment Architecture



The Solution

To meet this challenge, Thales recommended the implementation of its versatile CN6100 Network Encryptors that provide security to any type of network data traversing across multiple locations.

An ideal solution for performance-intensive environments, the CN6100 Network Encryptors seamlessly meet network performance demands with real-time low latency and near-zero overhead.

Designed to provide up to 10 Gbps of highly secure, full-line rate transparent encryption for all types of data flowing across dark fibre, and metro or wide area Ethernet networks (MAN or WAN), Thales's CN6100 Network Encryptors operate in full-duplex mode at full speed without the loss of any data packets.

Offering end-to-end authenticated encryption and zero-touch key management, the highly scalable CN6100 Network Encryptors are interoperable with all industry standard network equipment and meet security standards like FIPS 140-2 level 3, Common Criteria, etc.

The Results

1. Trusted Security

By seamlessly embedding its CN6100 Network Encryptors in the company's existing network environment, Thales ensured security of the company's sensitive data that was tranmistted across its entire cyber network.

2. Optimised Network Performance

With the fastest network encryption available in the market today, Thales's CN6100 Encryptors facilitated zero-overhead protocol with no impact on the latency and ensured maximum network bandwidth – up to 50% more than similar network security solutions.

3. Fast and Easy Deployment

Due to their inherent 'bump-in-the-wire' design, Thales's CN6100 Network Encryptors seamlessly integrated with the company's existing network topology within minutes without warranting any network reconfiguration.

About Thales

The people you rely on to protect your privacy rely on Thales to protect their data. When it comes to data security, organizations are faced with an increasing number of decisive moments. Whether the moment is building an encryption strategy, moving to the cloud, or meeting compliance mandates, you can rely on Thales to secure your digital transformation.

Decisive technology for decisive moments.