



Lateral (E-W) Threats

The new Battleground

Nick Shah, AMD Sales Director - APAC

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Hacker alleges to have stolen Telekom Malaysia's customer database with 'nearly 20 million effective user data' (Updated with TM's statement)

AirAsia hit by ransomware attack, five million passenger and employee data compromised

Online payment provider iPay88 confirms security breach

Malaysia recorded over [4,000 cyber threats](#) in 2022. As of October 2023, nearly [3,000 cyber incidents](#) had been reported to the National Cyber Coordination and Command Centre (NC4) under the [National Cyber Security Agency](#), a national agency dealing with cyber security-related matters.

Every
11 seconds

A New Org Falls
Victim Every ²

59%

Of All Attacks Involve
Double Extortion

>4000

Ransomware Attacks ¹
Happen Daily

Ransomware

As-A-Service

2024

\$XXXB

2021

\$20B

2019

\$11.5B

2018

\$8B

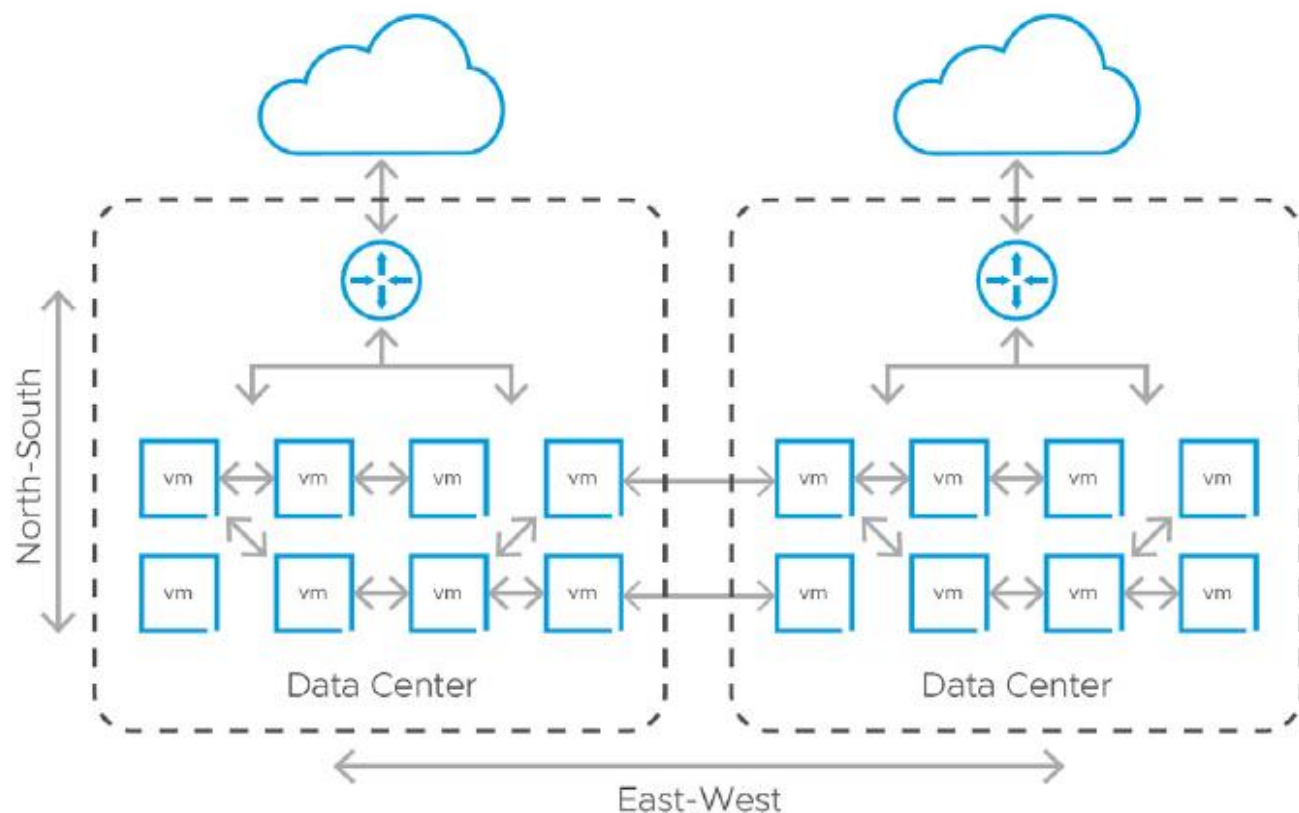
¹ [Justice.gov](https://www.justice.gov/cybercrime/d3a/cybercrime-statistics)

² [Cybersecurity Ventures \(Oct. 2019\)](#)

³ [Cybersecurity Ventures \(Oct. 2019\)](#)

But we have firewalls everywhere...

NGFW, UTM, IDS/IPS, SIEMs etc



‘Not so fun’ facts

80% of DC traffic is E-W

Virtualization has increased the ‘blast surface’ by 12-15x

Major attacks have bypassed Perimeter firewalls

Using Traditional firewalls to do E-W is expensive & painful

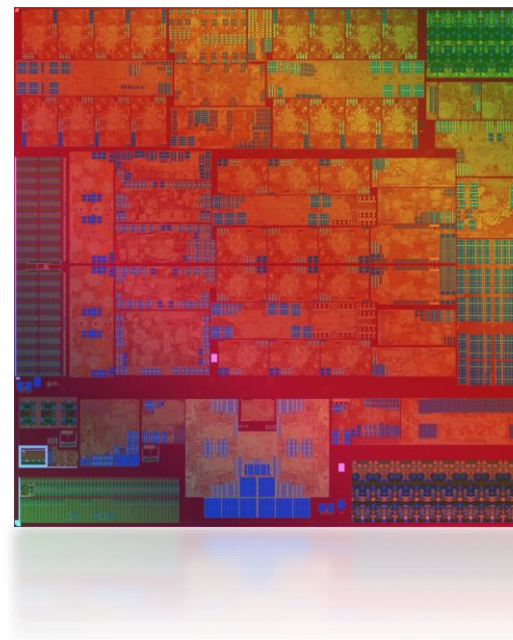
Every Org that got breached had multiple security tools focused on Perimeter

AMD Networking Solutions - Pensando

World's Most Intelligent DPU

- 144 x P4 packet processors
- Fully programmable control, data and management planes
- Supports tens of millions of network flows
- Concurrent services at line rate performance
Network | Security | Storage | Telemetry

“Elba” | Software-in-Silicon

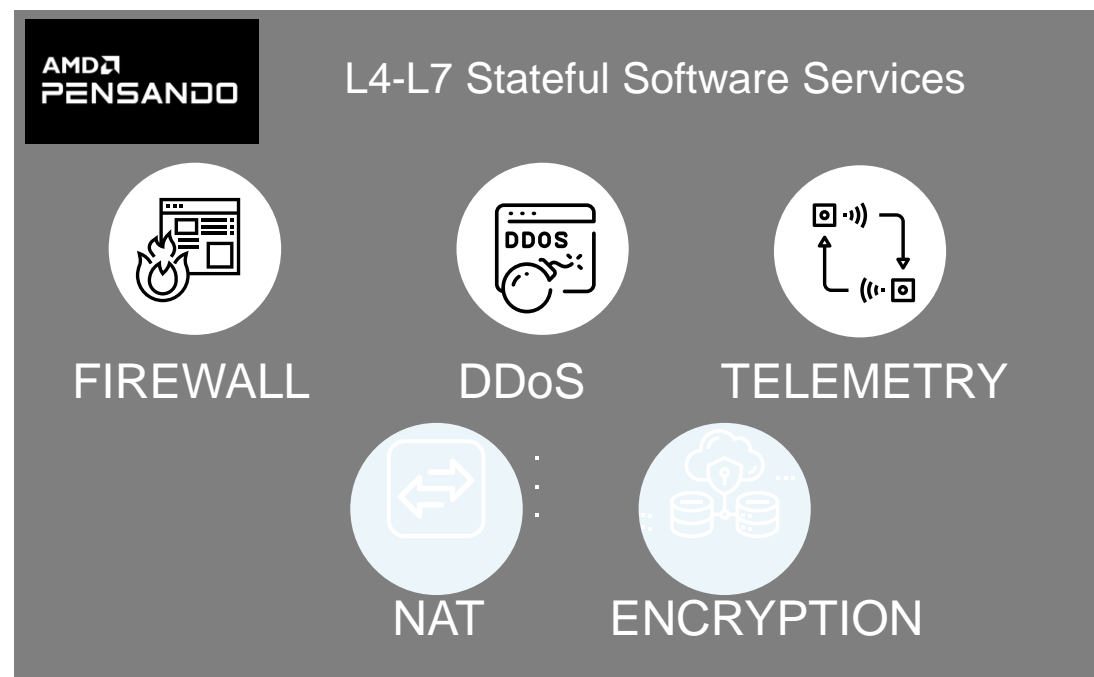


2nd Generation
2 x 200G
7nm

Aruba CX 10000 – New Category of Switching Platform

Foundation of 4th Generation Datacenter

ARUBA CX ROUTING AND SWITCHING



aruba

a Hewlett Packard
Enterprise company



Broadcom T3, with 2 Pensando DPU (7nm)

Full protocol stack, centrally managed at scale

Stateful firewall, DDoS, encryption, NAT

Beyond traditional switch platforms

1

What does AMD Pensando make?

2

What is the name of the firewall switch product from HPE Aruba?

3

Aruba CX10K protects EAST – WEST Traffic, True or False?



Thank You