James Cook University

Network Security Solution with Fortinet

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Presenters

Kevin Lane – Senior Infrastructure Engineer

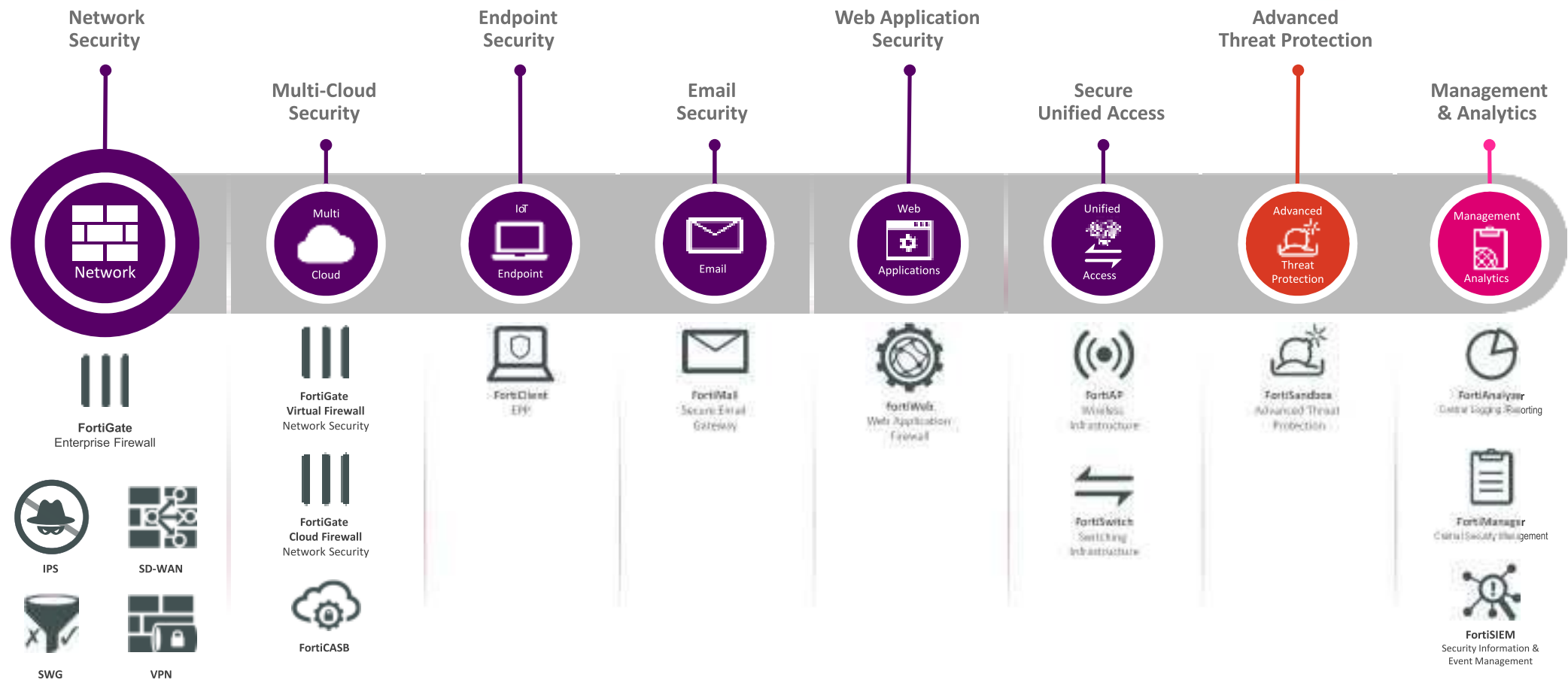- (Project Manager + Architect)

JCU - At a glance

Background & Challenge

- Multiple remote locations with limited bandwidth

- Transitioning from 10Gbps to 100Gbps
  - 2.5Gbps for all peering and Internet
  - We moved to 3 x 10Gbps dedicated networks

- Research data reaching PBs

Requirements

- Independent Internet access for each campus

- Campus Segmentation

- Capacity for greater than 30Gbps traffic between segments within and between campus locations

- Advanced Threat Protection at the border

- Centralised Management

- Centralised Logging & Analytics

- SSL VPN for Clients

Fortinet: Differentiator = Breadth of Capability

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Network Security

Multi-Cloud Security

Endpoint Security

Email Security

Web Application Security

Secure Unified Access

Advanced Threat Protection

Management & Analytics

Network

Multi Cloud

IoT Endpoint

Email

Web Applications

Unified Access

Advanced Threat Protection

Management Analytics

FortiGate
Enterprise Firewall

FortiGate Virtual Firewall
Network Security

FortiClient
EPP

FortiMail
Secure Email Gateway

FortiWeb
Web Application Firewall

FortiAP
Wireless Infrastructure

FortiSandbox
Advanced Threat Protection

FortiAnalyzer
Central Logging /Reporting

IPS   SD-WAN

FortiGate Cloud Firewall
Network Security

FortiSwitch
Switching Infrastructure

FortiManager
Central Security Management

SWG   VPN

FortiCASB

FortiSIEM
Security Information & Event Management

BUILT FROM THE GROUND UP TO DELIVER TRUE INTEGRATION END TO END
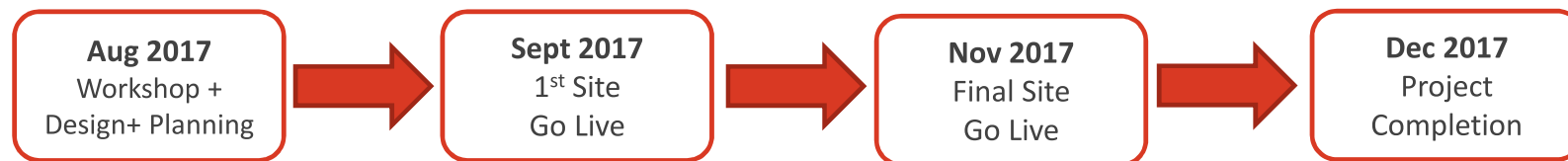
FÜRTINET

What Fortinet delivered?

- Addressed all key Business Requirements
- Product Variety matched locations: Flexible Scaling
- Capacity was easily met
- Strong Commercials
- Flow mode vs Proxy mode for threat
- FortiManager + FortiAnalyzer
- FortiClient + Telemetry
- Customized Training package (onsite)
- Tech Account Management + Dedicated Support

Solution Roll Out

Key Milestones:

Aug 2017
Workshop +
Design+ Planning

→

Sept 2017
1st Site
Go Live

→

Nov 2017
Final Site
Go Live

→

Dec 2017
Project
Completion

Future road map

Ongoing Engagement (Account Mgr/SE + TAM)

Expansion of Fortinet Fabric
- Telemetry + End-Point

Potential Future Evaluation of:
- FortiWeb
- FortiMail
- FortiDDOS
- FortiSIEM
- FortiCamera + FortiRecorder