

# James Cook University

Network Security Solution with Fortinet

# Presenters



**Kevin Lane** – Senior Infrastructure Engineer

- (Project Manager + Architect)



# JCU - At a glance



## About Us



- ✓ 1 UNIVERSITY
- ✓ 2 COUNTRIES
- ✓ 3 TROPICAL LOCATIONS

**+\$500M  
REVENUE**

## STUDENTS

WORLDWIDE

**~22,000**



**~4,827**

**STAFF**

## FOCUS AREAS

1. RESEARCH



2. INNOVATION

**TOP 2%**

3. CONNECTIVITY

**PEOPLE, + PLACE  
+ TECHNOLOGY**

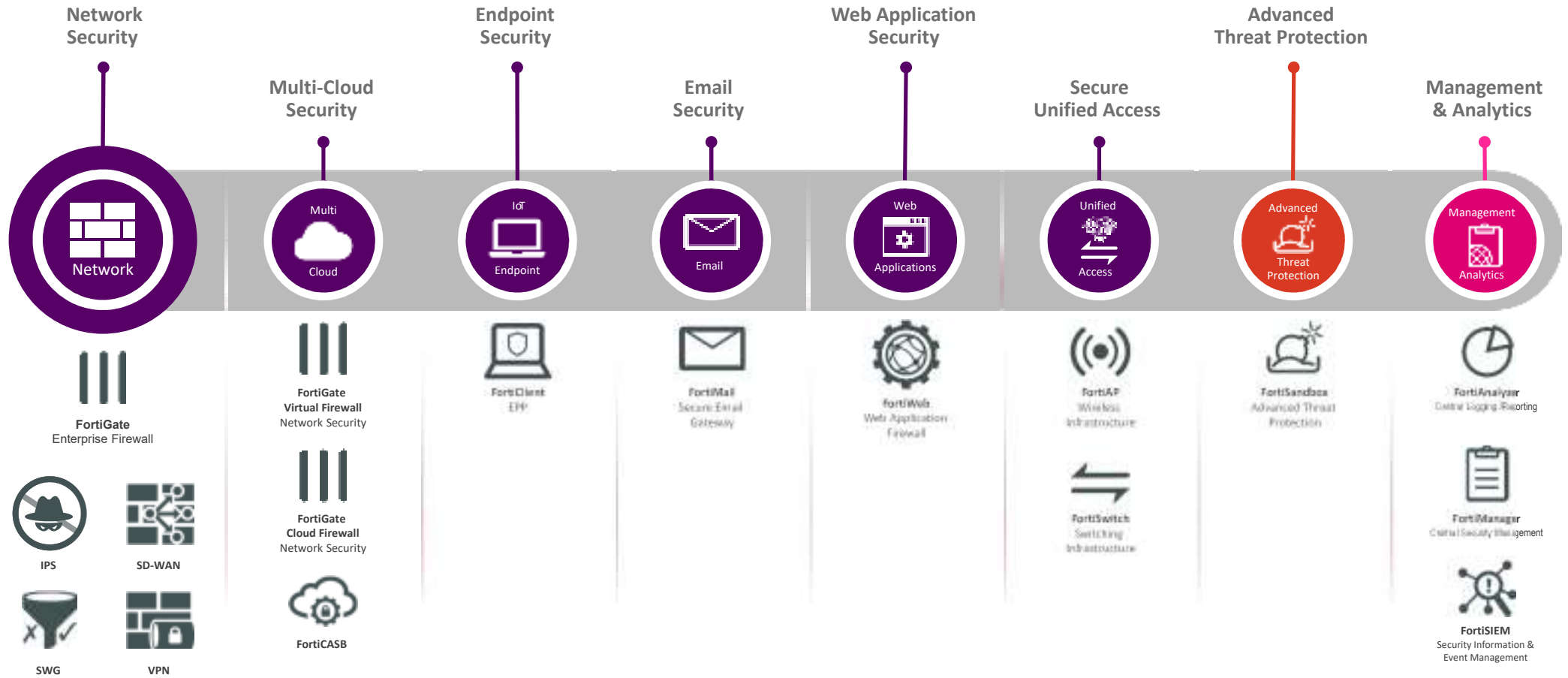
# Background & Challenge

- 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



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



# 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:





# 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