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SECURITY SERVICES - STRATEGY AND ROADMAP

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REANNZ

INTRODUCTION

- Me

- Our Head of Technology Strategy and Architecture – Jamie Curtis

- Presentation divided in 3 parts (Ian Foster principle)
  - Background – how we got here
  - Principles – that will guide us as we go forward
  - Roadmap – roadmap for the next 18 months

WHY SECURITY ?

- Why, when there are so many other security service providers for ?

- Why, when there are so many cloud offering and products?

- Shouldn't't REANNZ stick to what we do very well ?

WHY SECURITY

1. **Member are asking about our capabilities and for services in this space**

- **What** are they asking (Firewall, IPS/IDS, DDOS).
- **Who** is asking.
- **Timing** members are requesting service - Technology Refresh.
- **Overcome challenges** with existing capabilities: Looking to a managed service to deal with:
    - Capacity or functionality limitations with existing services
    - Resourcing challenges
    - Capability realignment (Security as a service)

WHY SECURITY

2. REANNZ – We believe we have the capabilities to operate the security services our member are asking for
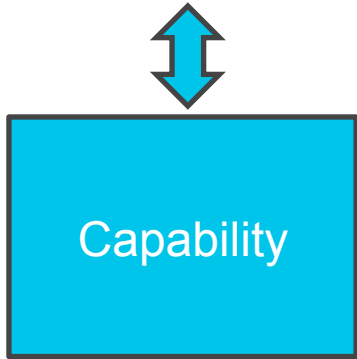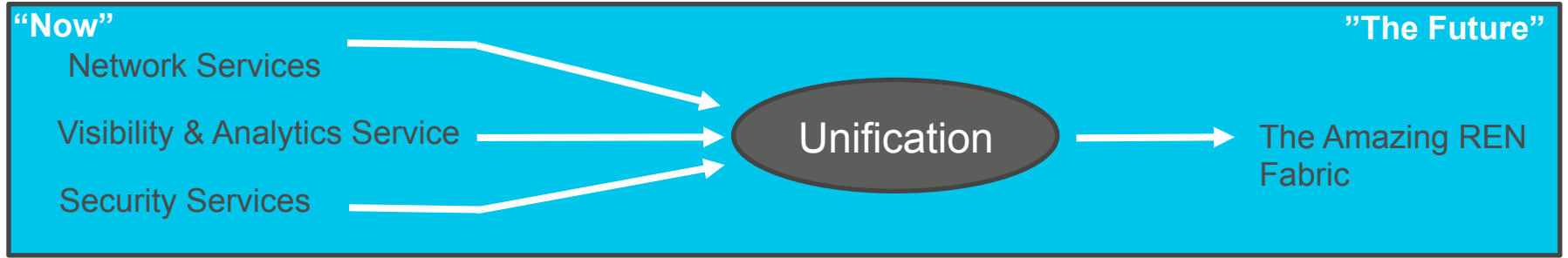
Motivations include:

- We want to deliver value to our Members. DC Connect is an example of this

- We operate a lossless network we believe we have the DNA to deliver Performance based Security Services that will not get in the way of research or innovation.

CORE PRINCIPLES

- **Principle 1:** Unification : Vision for technology and software in the Networking space

- **Principle 2:** Deliver at institutional level, think communal (values around technology and our role as an enabler within our community)

- **Principle 3:** Our value proposition : service, member knowledge and intimacy and getting the right things done.

PRINCIPLE 1

- Cost
- Granularity
- Control
  - Performance
  - Service Management
  - Agility

Dimensions of Value

Member

"Now"

Network Services

Visibility & Analytics Service

Security Services

Unification

"The Future"

The Amazing REN Fabric

Capability

# PRINCIPLE 2: DELIVER INSTITUTIONAL THINK COMMUNAL

- Avoid the Tragedy of the Commons ("is a situation where individuals acting independently and rationally according to their own self-interest behave contrary to the best interests of the whole by depleting some common resource" Willian Forster Loyd)
- Illustrate a few points
  - Common Resource (Hardware, controls, self service)
  - Best Interests (financial, capacity, scale)

PRINCIPLE 3: VALUE PROP

- Our value proposition is based on:
  - Building relationships
  - Satisfying unique needs
  - Want to go the extra mile

ROADMAP

When	What	Focus
2016 – Q2	Managed Firewall Service - Edge	Institutional
2016 – Q4	Managed Firewall - Core	Institutional
	Science DMZ	Institutional
2017 – Q2	DDOS (Alert, Detect)	Communal
2017 – Q4	IPS / IDS	Communal / Institutional
2018	Science DMZ as a Service Reconstruction	
2019	Unification – Gen 1	
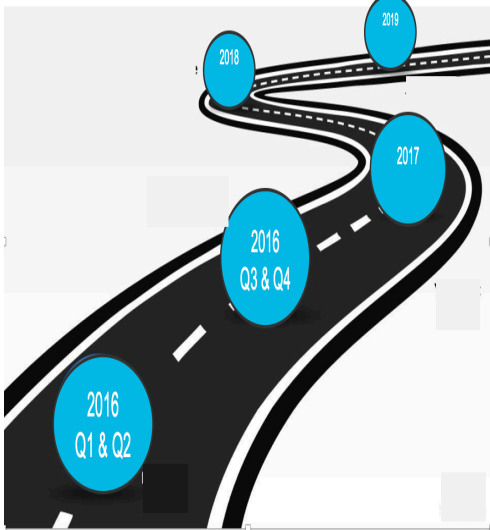
Questions

Thank You

Looking forward to eResearch 2017 !!!