

## CASE STUDY

Network upgrade with transition to wireless as primary connectivity method.

### Managed Data Centre Service Provider

#### OBJECTIVES

- Inspect Data Centre network and provide a comprehensive set of documentation to be handed over to support team.
- Create Layer 1, Layer 2 and Layer 3 diagrams of the network.
- Create VRF routing and interoperation diagrams.
- Analyse the network and identify any deviations from best practices in configuration and design.
- Identify any current or potential security issues.
- Create a diagram of virtual to physical network interface.
- Provide high-level recommendations on future network development and growth.

#### Benefits

- Customer has clear documentation.
- Customer has full visibility of infrastructure.
- Audit was able to share and highlight any issues.
- Support team have insights to help manage and troubleshoot any issues.
- Development of network roadmap to support future decision making.

#### AT A GLANCE

##### Challenges

- Mixed vendor environment
- Multiple virtual networks
- Organically grown environment with lack of documentation

##### Solution

- Network Discovery - using manual and automated analysis tools.
- Full set of network diagrams.
- Low Level Design documentation
- Network roadmap



*We've had a network that was growing organically, with very little strategy planning and next to no documentation.*

*We reached a point where we needed to get it properly documented and assessed to help support and create a roadmap to support future planning".*



MNB Networks  
SIMPLY CONNECT

6 Straiton View  
Loanhead  
Edinburgh,  
EH20 9QZ,

Email: [hello@mnbnetworks.tech](mailto:hello@mnbnetworks.tech)

Phone: 0131 385 0409

www: [mnbnetworks.tech](http://mnbnetworks.tech)

