

Campus Network Design Workshop

Introduction & Logistics

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Instructor Team

Name	Organization (Country)
Brian Candler	NSRC (UK)
Mike Jager	NSRC (New Zealand)
Dean Pemberton	NSRC (New Zealand)
Philip Smith	NSRC (Australia)



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Logistics

- Wireless Network
 - SSID for this workshop is **NSRC-PFS**
 - The key is “**8888888888**” – ten times the number 8
- Laptops
 - Please use the computer provided by UCSY
 - You can use your own laptop if you brought one
- Local Workshop Server
 - <http://www.ws.nsrc.org>
- Final workshop documentation
 - <https://nsrc.org/workshops/2016/nsrc-tein-mmren>



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Week Schedule

Day	Topic
Monday	Campus Network Design Principles, Fiber planning, Linux refresher, Layer 1-2-3 refresher, TCP/IP
Tuesday	Cisco Essentials, L2, Spanning Tree & vLANs
Wednesday	L3, IP addressing and routing, Campus network restructuring
Thursday	OSPF, NAT, Campus Security, Measuring
Friday	Monitoring, Firewalls, Netflow & Other Tools



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Day Schedule

Time	Activity
09:00-10:30	Morning Session 1
10:30-11:00	Break
11:00-12:30	Morning Session 2
12:30-13:30	Lunch
13:30-15:00	Afternoon Session 1
15:00-15:30	Break
15:30-17:30	Afternoon Session 2



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Lab Exercises

- The exercise environment:
 - Virtualised PCs/servers (LXC's)
 - Virtualised routers/switches (dynamips)
- You will use both ssh and telnet to access these devices from your laptop
- You will be working in six groups



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Key for Success

- Remember, this workshop is for you!
 - If you do not understand or have questions, ask for clarification
 - Please share your thoughts and experiences. They are valuable
 - Take advantage of the event to meet your colleagues and build the “human network”



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Questions?

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