

Systems Administration

Network Startup Resource Center
www.nsrc.org



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Course objectives

- Learn systems administration best practices using tools and techniques to...
 - Deploy → Installation and basic configuration
 - Manage → Create users, install & configure packages
 - Secure → Close unused services, secure active services, filter ports
 - Monitor → Control server & service availability... Linux/UNIX servers (physical or VM)
- Do this in a reliable and repeatable manner
 - Automate!

Instructors

- **Dean Pemberton** Network Startup Resource Center
 - New Zealand
- **Duncan Barth** Network Startup Resource Center
 - USA
- **Hans Kuhn** Network Startup Resource Center
 - USA

Schedule

| | |
|-----------|---------------|
| Session 1 | 08:30 – 10:00 |
| Break | 10:00 – 10:30 |
| Session 2 | 10:30 – 12:00 |
| Lunch | 12:00 – 13:30 |
| Session 3 | 13:30 – 15:00 |
| Break | 15:00 – 15:30 |
| Session 4 | 15:30 – 17:00 |

Course materials

- Schedule, materials & downloads:
- <http://www.ws.nsrc.org/> (<http://10.10.0.248>)
- Course Wiki
 - Course overview:
<http://www.ws.nsrc.org/workshops/2015/drukren-nsrc/wiki/Track2Information>
 - Agenda
<http://www.ws.nsrc.org/workshops/2015/drukren-nsrc/wiki/Track2Agenda>

Server groups

- Each participant (up to 30) will manage 4 servers:
 - User 1: **host1**, host2, host3, host4.ws.nsrc.org
 - User 2: **host5**, host6, host7, host8.ws.nsrc.org
 - ...
 - User 29: **host113**, host114, host115, host116.ws.nsrc.org
 - User 30: **host117**, host118, host119, host120.ws.nsrc.org
- The machine in **red** is your management server
- This machine will be used to manage and monitor the others
- The IP of each machine will be of the form “10.10.0.**X**”

Accessing your server

- Accessing the wireless
 - The SSID and password will be written on the board
- Accessing the servers
 - You will log in using **SSH** (Putty, on windows)
 - The username is **sysadm**
 - We'll give you the password in class

Questions?