TRAINING COURSES

KNS offers to deliver the following tailored Linux training courses:
• Linux Foundations – combined content of Telco and Enterprise Including industry-specific content (Telco)
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• Intermediate Linux – combined content of Telco and Enterprise Including industry-specific content (Telco)
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Linux Foundations
Target audience:
• Engineers beginning their Linux career

• Engineers required to service both Telco & Enterprise industries, with a deeper dive into the Telco industry

• Little to no Linux knowledge or experience required

Focus:
• Introduction to Linux from the ground up This course starts at the basics and builds up from there

• 100% bottom-up approach
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• Topics will be beneficial and relevant to all industry sectors This course is suited for an audience servicing both Telco and Enterprise
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• Telco industry-specific topics and tools will be covered in greater depth
• Covers Red Hat Enterprise Linux (RHEL) and software used in Enterprise environments
• Covers Debian Linux and software used in Telco environments
• Progress shall be at the rate of the class; topics in the agenda will be adjusted to match the progress of the class:

Knight Shift IT Pty Ltd – Linux Training Questionnaire

If progressing ahead of schedule - topics will be pulled in from the Intermediate training

If progressing slower than schedule - topics will be moved to the Intermediate training

Topics:
- Introduction to Linux
- Differences between RHEL and Debian Free Open-Source Linux
- Preparing students laptops to install RHEL and Debian in VMs
- Clean install both RHEL & Debian in VMs
- Useful Red Hat resources online, licensing, etc
- Getting comfortable working at the command line
- Vim basics
- Connecting to other devices
- File systems
- Basic administration
- Package sources, repositories, resources
- Enterprise package collections
- Installing and upgrading software, and patch management
- User and group administration, including tiered privileged access
- Managing basic storage
- ACLs in depth and file access permissions
- Useful Linux commands
- Troubleshooting tools and techniques
- Introduction to DNS from a Linux perspective

Goals and outcomes:
- Building a strong Linux foundation, and progress at the speed set by the students
- Students will confidently clean-install Red Hat Enterprise Linux and Debian Linux systems on bare metal or inside a VM
- Students will be able to conduct some administrative operations on the local and remote devices including install/remove software, manage files, etc.
- Students will gain experience using a variety of tools and troubleshooting techniques relevant to ISP/Telco

Duration:
- 5 days