

Basic Linux - 4 days

1. What is Linux

- UNIX Origins
- UNIX/Linux Timeline
- GPL
- The Linux Kernel
- Linux Features
- Linux Distributions
- Standardization

2. Multi-user Concepts

- Multi-user
- Switching User Context
- Getting Help with man & info
- MANPATH

3. The Linux Filesystem

- Filesystem Support
- Filesystem Hierarchy Standard
- Navigation the Filesystem
- Disk Usage & Quotas
- File Ownership
- File and Directory Permissions
- Changing File Permissions
- SUID and SGID on files
- SUID and SGID on Directories
- User Private Group Scheme

4. Manipulating Files

- Directory Manipulation
- File Manipulation
- Deleting and Creating Files
- Filesystem Links
- Displaying Files
- Searching the Filesystem

5. Text Processing

- grep
- sed
- awk
- sort
- cut

6. Shell Basics

- File redirection
- Piping
- Filename Matching
- File Globing and Wildcard Patterns
- Brace Expansion
- Shell/Environment Variabels
- General Quoting Rules

7. Regular Expressions

- Regular Expression Overview
- Regular Expressions
- RE Charakter Classes
- RE Quantifiers
- RE Paranthesis

8. Archiving and Compressin

- tar
- cpio
- gzip
- bzip2
- zip

9. Text Editor

- Nano
- Pico
- Vi
- Vim

10.Command Shells

- shells
- Identifying the Shell
- Bourne Shell
- BASH
 - Config Files
 - History
 - Command Editing
 - Command Completion
 - alias

11.The Secure Shell (ssh)

- Secure Shell
- ssh and sshd configuration
- Accessing Remote Shells
- Transferring Files
- Alternative sftp client
- SSH Key Management
- ssh-agent

12. The X Window System

- X Modularity
- Starting X
- Display Manager Concepts
- X Access Control
- Remote X Access
- XDMCP
- Customizing X Sessions
- Window Manager Concepts
- Desktop Environments
- GNOME
- KDE
- Remote Administration (VNC)

LINUX att HOME

- Live CD
- Linux on USB memory