CU300 - 3 Day UNIX for Programmers Boot Camp

Duration: 3 days

From novice to Shell Scripting in 3 days!

C.E.I.'s Accelerated Learning Bootcamps are designed to transform IT Professionals with legacy application development skills into UNIX Application development experts. Tailored to specific roles, our Accelerated Learning Bootcamps emphasize the development of skills that are actually used on the job so that your IT Professional can quickly become productive.

Audience:

Programmers of other Operating Systems coming to UNIX for the first time and anyone needing to learn how to read and write Born shell scripts of a simple to medium level of complexity.

Description:

This hands-on course teaches the participant how to use the programming constructs of the Born shell language to write scripts that may be used to simplify or automate tasks.

Prerequisites:

An understanding of structured computer programming.

Topics:
1. The History of UNIX
2. Understanding the UNIX Kernel
3. Logging On UNIX
4. The VI Editor
5. UNIX Tools & Commands
6. Command Line Execution
7. The UNIX "sh" Shell
8. Shell Script Structures
9. Programing in sh
10. Manipulating Data
11. Regular Expressions
12. Solving Shell Script Problems
13. The UNIX Filesystem
14. Network Commands
15. Programing in sh source listings!

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Table of Contents:

Flavors of UNIX

A Brief History of Unix
- History of UNIX and causes of its popularity
- UNIX application programming interface
- UNIX Networking
- Unix Popularity
- User Interface
- User Portability
- Open Systems
- History Summary

A Brief Cronological History of UNIX
- Chronological History
- UNIX Login Exercises
- UNIX Command Structure

UNIX Command Input & Output
- man, pwd, cd, ls, echo, cp, rm, mv, mkdir, rmdir, cat, date, time

  UNIX Tools & Commands Exercise I.01

Editor Shell Mode
- Common state
- Escape to Shell

Editor Command Mode
- Editor Insert Mode
- The ED Editor
- The ED Append Mode

  ED Exercise 1
- The ED Editor Substitution & Meta Characters

  ED Exercise 2

The VI Editor

The Fun Part of UNIX!