

High-Touch Delivery Learning Services

Introduction to UNIX on a Digital Network Control System (UNIXINTR)



The Introduction to UNIX on a Digital Network Control System instructor-led course provides the student with an overview of the UNIX operating system and practice using UNIX commands. This course introduces the UNIX command-line interface (CLI), system navigation, directory, and file structure. You will learn how to manage the directory and manipulate files through UNIX commands. You will gain an understanding of the UNIX operating system and how to perform basic and advanced tasks using the Bourne-again shell (bash) CLI and the vi text editor.

Duration

Two days.

Target Audience

This course is designed for technical professionals who desiring a basic working knowledge of the UNIX operating system and UNIX command use on their Cisco® Digital Network Control System (DBDS). The primary audience for this course includes:

- System engineers
- Technical support personnel
- Channel partners, resellers

Course Objectives

Upon completion of this course, you should be able to:

- Discuss the benefits and features of UNIX
- Use sessions to execute shell commands and scripts
- Execute commands using the CLI
- Describe file access permissions
- Navigate and network with UNIX
- Create and edit files with the vi editor
- Use advanced commands for practical file management tasks

Course Prerequisites

Following are the prerequisites for this course:

- None

To locate Cisco courses that cover the listed prerequisites, refer to www.cisco.com/go/ase.

Course Outline

The course outline is as follows:

- I. Discuss UNIX, UNIX standardization, and Sun Solaris.
- II. Introduce shell scripts, commands, common shells, and proper shell command syntax as well as the execution of shell commands.
- III. Discuss sessions and demonstrate logging in/out of a UNIX system using the bash shell.
- IV. Discussion of directory structure, working with files and directories, creating and removing directories, listing files and directories, links, redirection, and appending files.
- V. List file permissions, discuss file ownership, set permissions, discuss symbolic permissions.
- VI. Use the command line to introduce and demonstrate the use of wildcards, find, grep, compression and decompression commands, and manual pages.
- VII. Discuss and demonstrate remote connection types, as well as FTP and its uses.
- VIII. Introduce various text editors and focus on proficient usage of the vi editor by introducing editing, navigation, and global commands, then reinforcing lecture through hands-on exercises.
- IX. Introduce some of the more advanced commands of UNIX such as task-specific commands, archiving, networking, file and directory, manipulation and navigation, and diagnostic reports and reinforce learning with hands-on exercises.

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Lab Outline

The lab outline is as follows:

- Lab 1: Logging out
- Lab 2: Navigation, listing files and directories, creating/removing directories
- Lab 3: Setting permissions
- Lab 4: Wildcards, find, grep, archive, help
- Lab 5: Vi text editor
- Lab 6: Instructor-led advanced lab

Registration Information

For more information about schedules and registration for this course, contact aeskt_registration@cisco.com.

For More Information

For more information on High-Touch Delivery Learning Services for Cisco classic products and technologies, refer to www.cisco.com/go/ase.

For information on Cisco TelePresence® training, refer to www.telepresenceu.com/.

For information on broadband video training for service providers, refer to www.cisco.com/go/spvtraining.



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