UNIX: Introduction Level 2

Objectives :	Students will learn about the UNIX user environment, the components of the user interface, and how they can be modified to create a custom interface. In addition, students will learn several advanced file management techniques and how to use the find, grep, and egrep commands. Students also learn to create custom reports from database files by using the tr, sed, and awk programs.
Prerequisites:	Students enrolling in this course should understand the basic concepts involved in working with the UNIX operating system. For example, they should be familiar with such terms as home directory, directory structure, file management, and permissions. Students should also be familiar with the components that make up the personal computer, including input, output, and storage devices.
Duration:	**Two days**
Additional Information	**Course content can be tailored to client specific needs**

Course Contents

UNIX shells and variables	
Understanding UNIX shells	Displaying the default variables
Creating user variables	Removing user-created variables
The UNIX C-Shell user environment	
Viewing and modifying your .login file	Viewing and modifying your .cshrc file
Creating and modifying your .exrc file	Creating and modifying your .logout file
Examining the order of execution of the environmental files	
Aliases in the C-Shell	
Introducing the alias concept	Creating custom aliases at the prompt
Making your aliases permanent	
History in the C-Shell	
Modifying your environment to use history	Using history to recall commands
History editing techniques	
System status and command information	
Determining the system and user status	Command location and documentation
Multitasking capabilities	
Introducing the multitasking capability	Managing jobs and background processes by using the jobs table
Managing processes by using the process table	Introducing the delayed and detached jobs concept
Advanced file management	
Using the find command to locate files	Using advanced grep to search file contents
Introducing the egrep command	
Transferring and printing files	
Managing file space requirements	Using tar to archive files and directories
Using the print format command	Sending output to the printer

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Command line database processing	
Using awk to display file contents	Formatting files with the tr command
Using sed to edit file contents	Scripting your database reporting