SETC Training Corporate Logo

Linux Training: The Complete Shell Scripting Course (UNXSHELL, 4 jours)

Description

The course The Complete Shell Scripting Course (Linux Training) is an exploration of shell scripting in Linux. The course provides an overview of the benefits of using shell scripts starting with the basics and moving to command structure, operators, scalars, flow control, sub-routines, collections and lists. The training includes all the skills that you need to automate just about any aspect of Linux.

Tarifs

- Tarification: $3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Getting Started

- The Need for a Shell
- Running Shell Scripts
- Debugging Shell Scripts
- Available Shells
- About Csh
- About Bash : Bourne Shell
- About Kornshell
- About Zsh
- About Tcsh
- Choosing the Right Shell
- Obtaining Help with Man Pages

Text Editing

- Linux Text Editors
- The Pico Editor
- The Nedit Editor
- The Emacs Text Editor
- The Vi Text Editor Family

The Vi Editor

- What Is Vi
- Review of Vi Commands
- Vi Buffering
- Command Mode and Insert Mode
- Moving the Cursor Around
- Inserting Text
- Deleting a Character Or Line
- Undo Last Command
- Opening a New Line
- Save Your Work Or Abort the Session

More Editing with Vi – If Time Permits

- Scrolling the Buffer
- The Join Command
- The File Command - :f

Edit File Command - :e
Cut and Paste Between Files
Read File Command - :r
Set Options Command
Set Options Command - .exrc File
Cursor Motion Commands - W,w,b,b,e,e
Cursor Motion Commands - $,^,0,g
Cursor Motion Commands - F,t,f,t
Delete Operator - D
Change Operator - C
Yank Operator - Y
Put Commands - P,p
Searching for a Pattern - /,n,n
Using the Shell
The Command Line
Standard Input, Standard Output and Error
Using Default Standard In and Output
I/o Redirection
I/o Redirection - Examples
I/o Redirection - Warning
Appending Output of a File
Pipes
The Tee Utility
Filename Generation
Filename Generation
The ? Special Character
The * Special Character
The [ ] Special Characters
The ! Special Character
Processes
What Is a Process
Process Structure
The Ps Utility
Options To the Ps Utility
Background Commands
Killing Background Processes
Redirecting the Standard Error
Shell Programming Concepts
What Is a Shell
Which Shell
What Is a Shell Script
Why Use Shell Scripts
Flow Control
The Exit Status of Commands
Command Line Examples
The Test Command
The If-then-else Construct
The Elif Construct
A Loop Example
Variables

User Created Variables
The Read Command
The Shell Environment
The Export Command
Subshells
Command Substitution
Quoting Mechanisms
Assigning Variables Summary
Special Variables
- Number of Arguments
The Shift Command
- All Arguments
- Pid of Shell
More Flow Control
The for Loop
The While Loop
The Case Construct
Common Unix Filters
Editing the Output of Commands with the Stream Editor Sed
Translating Characters with Tr
Sorting Files and Command Output
Comparing Different Versions of Files
Using Other Common Filters: Cut, Uniq & Tee
Combining Filters for Complex Text Processing
Executing Filter Commands with Find
Restructuring Data with Awk
Testing and Extracting Fields From Structured Input
Searching Files with Multiline Records
Performing Arithmetic Calculations
Writing Useful Awk One-liners
Matching Patterns with Extended Regular Expressions
Modifying Awk Default Behaviors
Calling Awk Built-in Functions
Using Awk Control Constructs for Testing and Looping
Storing Data in Arrays
Formatting Output Using Printf