

Linux Training: Shell Scripting Complete (LINSKRJB, 4 jours)

Description

The course Shell Scripting Complete (Linux Training) is a complete exploration of Linux shell scripting. The training includes shell script fundamentals, command structures, operators, scalars, flow control, sub-routines, collections & lists. Students get hands-on experience working with shell scripts that automate just about any aspect of Linux. If you want to write powerful scripts that automate those repetitive tasks, this is the Linux course for you.

Tarifs

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

Plan de cours

Important Linux Commands

Overview of Built-In Functions

Text Manipulation

Working with Files

Working with Processes

A Few Interesting Programs

Working with vim

Working with Text

Basic CRUD Operations

Formatting Text

Working with Ranges

A Few Advanced Keystrokes

Saving and Quitting

Scripting basics

Why use a shell script?

A Simple Script

Self-Contained Scripts

The Basics of Shell Scripting

Accessing Script Arguments

About Execution Tracing

About Path Searching

About Automatic Scripts

Searching and Substitution

Searching for Text using grep

The Basics of Regular Expressions

Extended Regular Expressions

Making Substitutions

Using sed

Lines versus Strings

Matching Lines

Working with Fields

Rearranging Fields with awk

Working with Data

- Sorting Text
- Removing Duplicates
- Reformatting
- Counting Lines, Words and Characters
- About Printing
- Working with the First and Last Line
- Working with Pipelines
- Working with Structured Data

Programming Syntax -----

- Variables and Arithmetic
- About Exits Statuses
- Working with the case statement
- Working with Looping Structures
- Working with Functions

Input and Output Files and Command Execution -----

- Standard Input, Output and Error
- Reading Lines with read
- Delving Deeper into Redirection
- Working with printf
- Tilde Expansion and Wildcards
- Command Substitution
- Working with Quotes
- Evaluation Order and eval
- Working with Built-In Commands

Working with awk -----

- The awk Command Line
- The awk Programming Model
- Program Elements
- Records and Fields
- Patterns and Actions
- Statements
- User-Defined Functions
- String and Numeric Functions

Working with Files -----

- Listing Files
- Updating Modification Time
- Working with Temporary Files
- Finding Files
- Running Commands
- FileSystem Space Information
- Comparing Files

Working with Processes -----

- Process Creation
- Process Listing
- Process Control and Deletion
- Process Call Tracing
- Process Accounting
- Delayed Scheduling
- The /proc File System

Java PTO -----

Understanding JRE Versions and Dependencies

Understanding Java Memory Usage

Working with the Tools of the Trade

Profiling the Heap

Understanding Profile Results

Tuning the JRE

Troubleshooting the JRE