

KAÏNA-COM

TRAINING CATALOGUE

Linux Shell Scripting

How to create and debug shell scripts, sed, awk, interactive scripts and signals and how to combine and use this information in scripts that make using Linux so simple.



KLI006 – Linux Shell Scripting

Reference KLI006

Experience

- Beginner
- Intermediate
- Advanced

Duration Training Program:
• 2 days

Training Method

- I: i-learning, individual training (web-based training)
- V: v-learning, virtual class

C: c-learning, classroom training

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LE CARRÉ HAUSSMANN II,
6 Allée de la Connaissance
77127 Lieusaint - France

Price 1.390,50 € HT

Prerequisite Introduction to Linux or Linux Fundamentals or equivalent. Linux system administration or equivalent.

Audience Anyone needing detailed knowledge of the Linux shell and scripting. Also recommended for anyone using Linux.

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KLI006 – Linux Shell Scripting, Continued

Objective

This course teaches how to create and debug shell scripts, sed, awk, interactive scripts and signals and how to combine and use this information in scripts that make using Linux so simple. Linux Shell Scripting demonstrates the power of Linux and shows how the different parts of the operating system link together. This course is a must, however you use Linux.

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KLI006 – Linux Shell Scripting, Continued

Course Contents

Course Contents :

Table 1: KLI006 - Course Contents

Chapter	Description
Introduction	<ul style="list-style-type: none"> • The shell • Common shells – bash, sh, ksh, csh, tcsh • Shell building blocks • Initialization files • Building blocks • Some sample scripts
Writing and debugging scripts	<ul style="list-style-type: none"> • Creating and running a script • Script basics • Debugging scripts
The Bash environment	<ul style="list-style-type: none"> • Shell initialization files • Variables • Quotes • Arithmetic • Aliases • Expansion and substitution
Regular expressions	<ul style="list-style-type: none"> • Using regular expressions • Metacharacters • Finding patterns
Conditional statements	<ul style="list-style-type: none"> • If • Using a command's exit status • If/then/else and if/then/elif/else • Nested if statements • Boolean expressions • The case statement

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KLI006 – Linux Shell Scripting, Continued

Course Contents, continued

Chapter	Description
The sed stream editor	<ul style="list-style-type: none">• Introduction• Interactive use• Regular expressions and stream editing• Using sed in scripts
The awk utility	<ul style="list-style-type: none">• What is (g)awk?• Interactive use• Formatting text with awk• Regular expressions with awk• Awk in scripts
Writing interactive scripts	<ul style="list-style-type: none">• Prompting for user input• Reading user input• Using file descriptors
Iterations	<ul style="list-style-type: none">• For, while and until loops• Break and continue• Select
More variables	<ul style="list-style-type: none">• Arrays• Read-only• Set
Functions	<ul style="list-style-type: none">• Creating functions• Passing arguments• When to use functions
Signals	<ul style="list-style-type: none">• What are signals?• Catching signals with trap• Disable user interrupts
The End	<ul style="list-style-type: none">• Summary• Q&A• Evaluation

