

AWK PROGRAMMING

Course Description

The objective of this course is to develop the programming skills required to write applications using the awk programming language.

Course Length: 2 Days

Course Tuition: \$500 (US)

Prerequisites

The ability to write programs in a high level language (such as C or shell) is very helpful in completing the lab exercises and understanding the lectures. A good working knowledge of the UNIX environment is necessary.

Course Outline

- Introduction to awk
 - What is awk and Why?
 - How awk Programs Work
 - Running awk Programs
 - Examples
- awk Patterns
 - Summary and Patterns
 - BEGIN and END
 - Expressions
 - String-Matching Patterns
 - Extended REs in awk
 - Range Patterns
- awk Actions
 - Summary of Statements
 - Expressions
 - Operators
 - Flow Control
 - More Flow Control
 - The next, break, continue, and exit statements
 - Built-in Variables
- awk Input andOutput
 - Formatted Output with printf
 - Output into Files
 - Output into Pipes
 - Input Separators
 - Multi-Line Records
 - The getline Function
 - More getline
 - Command Line Parameters
- awk Functions
 - Built-In Arithmetic Functions
 - Built-In String Functions
 - More String Functions
 - User Defined Functions
 - Local Variables
- awk Arrays
 - Arrays
 - Associative Arrays
 - The Array for Statement
 - The Array in Operator
 - Deleting Array Elements
 - The Split Function

Multi-Dimensional Arrays
Command Line Parameter Passing