Korn Shell Programming Fundamentals (3 Days)

Course Description

Students who attend **Korn Shell Programming Fundamentals** will leave this course armed with the required skills to utilize shell and its essentials features. At the conclusion of the course, attendees will be able to create and use shell programs to process data and perform system and network administration tasks.

Course Objectives: What You'll Learn

This Korn / Bourne Shell training course provides a comprehensive review of command line features provided by the shell, and a thorough introduction to the shell's looping and conditional constructs. This course may be is presented using either Korn or Bourne shell. The Korn shell version also introduces various shell options as well as command line and programming features.

Working in an engaging, interactive discussion and hands-on programming environment, let by our expert practitioner, developers will learn to create and use shell programs to process data and perform system and network administration tasks.

The course provides a solid foundation in advanced terminology and concepts, extended and built upon throughout the engagement. Processes and best practices are discussed and illustrated through both discussions and group activities. Attending students will be led through a series of advanced topics comprised of integrated lectures, extensive hands-on lab exercises, group discussions and comprehensive demonstrations.

Audience & Pre-requisites: Who Should Attend

This is an **introductory- level** shell scripting / UNIX course, designed for Application developers, technical users, system programmers, and any technical personnel who need a thorough understanding of the basics of shell programming.
If your team requires more advanced materials or custom topics, this course may be easily adjusted to accommodate. We offer many additional advanced Korn, Shell and UNIX classes which may be blended with this course for a track that best suits your development objectives.

Course Outline

Basics of Shell Programming
- Built-in shell variables
- Positional parameters
- User-defined variables
- Command substitution
- Redirection of standard input, standard output, and standard error

Whitespace and IFS, Quoting, and Word Separation
- Filename expansion
- Debugging with shell traces
- Read command
- Control structures
- If, Case, While, Until, and For
- Pattern matching with the case structure

Commands Often Used in Control Structures
- Break
- Continue
- Shift
- Test
- Expr

Subshells and Control of the Shell Environment
- Set
- Env
- Export
- Readonly
- The . Command
- Passing values between programs
- Use of temporary files

Additional Korn Shell Topics
- ENV file
- Command line history, editing, and reexecution
- Tilde shorthands