

Introduction to awk

Duration	1 to 1-1/ 2 days.
Participants	Programmers, technical managers, and system and network administrators.
Objectives	Upon successful completion of this course you will be able to: • Use awk to perform data selection and processing tasks.
Overview	This course presents the full capabilities of awk, the pattern scanning and processing language.
Prerequisites	Working knowledge of UNIX commands such as grep, cd, ls -l, rm, cp, mv, and cat; ability to use I/ O redirection, pipes, and filename generation; and ability to create and modify a small file. Previous attendance at an introductory course on UNIX is recommended.
Format	Lecture and discussion (50%) with programming exercises (50%).
Topic Outline	awk Command Line Options and the awk Program awk I/O Capabilities Patterns REs Relational patterns Logical combinations and negation Ranges BEGIN and END Use of awk Records, Fields, Strings, Escape Sequences Print and Printf User-Defined Variables Built-In awk Variables String and Arithmetic Expressions Built-In awk Functions Multi-Line Input or Output Records Comments Conventional Indentation and Formatting Data Coercion

Introduction to awk *(continued)*

Topic Outline

Flow of Control

- if else
- while
- for
- { }
- break
- continue
- next
- exit

Writing or Appending to a File

Pipelines between the awk Program and other UNIX Commands

One-Dimensional Arrays

Accessing Shell Positional Parameters within an awk Program