Introduction to AIX

Duration   3 days.

Participants   Technical and non-technical personnel, including technical managers, programmers, system and network administrators.

Objectives   Upon successful completion of this course you will be able to:

- Organize and protect your own file and directory structure.

- Create and modify files using the vi editor.

- Select lines from files using the grep command and RE metacharacters.

- Direct file input and output from/ to the proper file or process using redirection and pipes.

- Control the execution of foreground and background jobs

- Use shell command line features such as filename generation wildcards to perform work in an efficient manner.

- Tailor the interactive environment by using aliases and variables established in .profile and the ksh ENV file.

Overview   This course provides a detailed introduction to AIX. It is designed for those who need a robust understanding of AIX.

Prerequisites   None.

Format   Lecture and discussion (50%) with hands-on exercises (50%).

Topic Outline   **Introductory Concepts and Simple Commands**

   Login and logoff, passwd, ignoreeof
   Command line format
   Interrupt characters
   Metacharacters and backslash, single and double quotes
   date, who, echo, ls, banner, cal, man

File System

   File system structure
   Types of AIX files: ordinary, special, directory, links
   Full and relative pathnames
   pwd, ls options -lpadiR, cd
   HOME directory
   File permission modes, chmod, umask
   mkdir, rmdir, rm, mv, cp

Topic Outline   **File Processing Commands**

        cat, more, nl, wc, grep, sort, cut, tr

vi Editor

Re Metacharacters with grep

Shell Features Requested on the Command Line

        Redirection of standard input, standard output,
           and standard error
        Pipelines
        Process and job control: ps, jobs, kill, wait, nohup, sleep,
           fg, and bg
        Filename generation wildcards with * ? [ ] [!] and dot files

Shell Environment

        Environment variables: HOME, PATH,
           LOGNAME, USER, PS1, PS2
        set and env
        .profile and the ksh ENV file

Korn Shell Features

        Command history, editing, and re-execution
        Options such as ignoreeof and vi
        Aliases