

UNIX Training – Core Competencies

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Session 1 - Basic UNIX Utilities I (User Commands & Shell System Features)

Determine the current directory (pwd)

Navigate the directory tree (cd)

List the contents of a directory and determine file attributes (ls)

View a file's contents using 'more', 'pg', 'cat', 'head', 'tail', 'echo'

Safely copy a file (cp)

Safely move a file (mv)

"Pipe" the results of one command into the input for a subsequent command (|)

How to use UNIX manual (man) pages

Session 2 - Basic UNIX Utilities II (User Commands & Shell System Features)

Use the grep command to search for strings in a file/list

Change the ownership of a file (chown)

Change file permissions (chmod)

Use the ps command to view running processes (ps -ef)

How to view/set environment variables (env/setenv)

How to view aliases

Session 3 – Basic UNIX Utilities III (Disk Space Management, vi Editor Part 1)

(Un)compress a file using (un)compress

How to determine available space in a file system (df -k)

How to sum up the file space of a directory (du -ks)

Session 4 – OpenWindows, syslog, a DNS Primer, vi Editor Part 2

How to start a UNIX openwindows session (openwin or /usr/openwin/)

Where a UNIX system logs are (/var/adm/messages)

DNS

Safely edit a file, timestamp, searching and pattern matching

Session 5 - Shell Command Interpretation and Processes I

Use secure shell to login from one server to another (ssh)

When/How to use Preview's shell scripts (killit, aolkillit, webkillit, etc.)

What a cron job is/how to view a user's cron entries

How to use the "top" command to look:

- at which processes use the most CPU

- at the load average of the box (how busy the CPU is) for zombie processes

- at how much iowait is occurring

The process to process communication chain for the booking application

How to view the number of processes on a queue

How to determine which queue is which

How to remove a queue

How to determine the number of days between reboots

Session 6 - Processes II [Starting/Stopping]

What processes make up a StoryServer engine

How to stop/start a StoryServer engine

What processes are used for the Air, Car, and Hotel Booking Engines

How to stop/start Air, Car, and Hotel queues

Where the error logs exist for Air, Car, and Hotel - how to view them ('show')

How to restart a Sparcgateway

Session 7 - Connecting to Hosts

Telnet to login from one server to another FTP a file from one machine to another

How to ping another host

How to view a user's UNIX mail

Session 8 - Web Server and Services

What a Netscape webserver process looks like in a ps list

Where Netscape webserver home and log directories are

How to stop/start a netscape server

Location of all production boxes in relation to the firewall

How to use the Portmaster to log into the console port of a server

How to safely reboot a UNIX server

Session 9 - vi Editor

Safely edit a file using vi