Unix

Faculty : Durgaprasad Vecherla, Fee: 2500/- Duration : 30 days Daily 1 hour class

Quick Introduction to Unix
What Unix is?
Who developed the Unix?
How to get Unix?
How to Install Unix
Where I can use Unix?
What Kernel Is?
What is Unix Shell?
How to use Shell
What is Shell Script ?
Why to Write Shell Script ?
More on Shell...

Getting started with Shell Programming
How to write shell script
Variables in shell
How to define User defined variables (UDV)
Rules for Naming variable name (Both UDV and System Variable)
How to print or access value of UDV (User defined variables)
echo Command
Shell Arithmetic
More about Quotes
Exit Status
The read Statement
Wild cards (Filename Shorthand or meta Characters)
More commands on one command line
Command Line Processing
Why Command Line arguments required
Redirection of Standard output/input i.e. Input - Output redirection
Pipes
Filter
What is Processes
Why Process required
Unix Command(s) Related with Process

Shells (bash) structured Language Constructs
Decision making in shell script (i.e. if command)
test command or [expr]
if...else...fi
Nested ifs
Multilevel if-then-else
Loops in Shell Scripts
for loop

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Nested for loop
while loop
The case Statement
How to de-bug the shell script?

Advanced Shell Scripting Commands

/dev/null - to send unwanted output of program
Local and Global Shell variable (export command)
Conditional execution i.e. && and ||
I/O Redirection and file descriptors
Functions
User Interface and dialog utility-Part I
User Interface and dialog utility-Part II
Message Box (msgbox) using dialog utility
Confirmation Box (yesno box) using dialog utility
Input (inputbox) using dialog utility
User Interface using dialog Utility - Putting it all together
trap command
The shift Command
getopts command

Essential Utilities for Power User

Preparing for Quick Tour of essential utilities
Selecting portion of a file using cut utility
Putting lines together using paste utility
The join utility
Translating range of characters using tr utility
Data manipulation using awk utility
sed utility - Editing file without using editor
Removing duplicate lines from text database file using uniq utility
Finding matching pattern using grep utility

Learning expressions with ex

Getting started with ex
Printing text on-screen
Deleting lines
Coping lines
Searching the words
Find and Replace (Substituting regular expression)
Replacing word with confirmation from user
Finding words
Using range of characters in regular expressions
Using & as Special replacement character
Converting lowercase character to uppercase

Examples of Shell Scripts