

Linux

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

Quick Introduction to Linux

What Linux is?
Who developed the Linux?
How to get Linux?
How to Install Linux
Where I can use Linux?
What Kernel Is?
What is Linux 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
Linux 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

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