

Linux/Unix shell scripting, Python and Perl

Duration: 3 Days

Prerequisites for this course: Basic Linux Knowledge

Day 1:

- Define UNIX Operating System
- Understand UNIX O.S. Components e.g. Kernel & Shell
- Understand Unix File System
- Execute Unix file related general commands
- Understand file access permissions
- Understand Pipe and redirection
- Understand filter command
- Edit a file using vi editor
- Understand process management in UNIX

Day 2:

- Understand UNIX Shell features and its environment
- Read/Write basic shell scripts using decision making constructs
- System Administration Commands du, df, free, top, init, hostname etc
- Understand regular expressions
- Understand the grep, egrep, fgrep family of commands
- Work with compression and archiving commands
- Understand File Transfer Protocol
- Introduction to sed

Day 3:

- Introduction to awk scripts
- awk examples
- Automation of Network devices Using shell scripting
- Download and Save web page content using curl, wget
- Debugging Shell Script
- Introduction to Perl Scripting
- Introduction to Python
- Summary