

UNIX for BI

Lesson 00:

People matter, results count.



Document History

Date	Course Version No.	Software Version No.	Developer / SME	Change Record Remarks
	1.0	UNIX	Veena Deshpande	
30-Sep-2009	1.1	UNIX	Kishori Khadilkar	Revamped with new methodology
14-Oct-2009	1.1	UNIX	CLS team	Review
08-Jun-2011	1.2	UNIX	Rathnajothe Perumalsamy	Revamp/Refinement
06-May-2016	1.2	UNIX	Vishal Pachpute	Duration increased to 5 days
July 2016	1.3	UNIX	Vishal Pachpute	Revamped for BI LoT with 3.5 days duration

Course Goals and Non Goals

- Course Goals
 - To understand UNIX operating system, Shell commands, Introduction to Processes, Writing simple shell scripts
- Course Non Goals
 - NA



Pre-requisites

- None

Intended Audience

- Novice Users



Day Wise Schedule

- Day 1

Lesson 1: Introduction to UNIX and Basic UNIX commands

Lesson 2: UNIX file system

Lesson 3: Filters

- Day 2:

Lesson 3: Filters (contd..)

Lesson 4: Introduction to Bourne Shell

Lesson 5: Vi Editor

- Day 3:

Lesson 6: Processes and related commands

Lesson 7: AWK

Lesson 8: Shell Programming

Day Wise Schedule

- Day 4 (Half Day):
Lesson 9: Source Code Control System

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- Lesson 1: Introduction to UNIX Operating System and Basic UNIX commands
 - 1.1: Operating System
 - 1.2: Basic UNIX Commands
- Lesson 2: UNIX File System
 - 2.1: File System
 - 2.2: File Types
 - 2.3: File Permissions
 - 2.4: File Related Commands
- Lesson 3 : Filters
 - 3.1: Simple Filters
 - 3.2: Advanced Filters

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- Lesson 4: Introduction to Bourne Shell
 - 4.1: Shell types
 - 4.2: Working of shell
 - 4.3: Metacharacter
 - 4.4: Shell redirections
 - 4.5: Command substitution
- Lesson 5: Vi Editor
 - 5.1: Vi Editor
 - 5.2: Input Mode Commands
 - 5.3: Vi Editor – Save & Quit
 - 5.4: Cursor Movement Commands
 - 5.5: Paging Functions
 - 5.6: Search and Repeat Commands
 - 5.7: Vi Editor – Other Features
 - 5.8: SED – Introduction to SED
 - 5.9: SED Commands

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- Lesson 6: Processes and related commands

- 6.1: Process
- 6.2: Parent and Child Processes
- 6.3: Running a Command
- 6.4: ps Command
- 6.5: Jobs in the Background
- 6.6: Process related commands
- 6.7: Overview of Process Scheduling
- 6.8: Lowering job execution priority – nice command
- 6.9: Process related commands

- Lesson 7: AWK Programming

- 7.1: Advanced Filter - awk
- 7.2: AWK variables
- 7.3: AWK
- 7.4: Logical and Relational operators
- 7.5: Advanced Filter - awk
- 7.6: Number Processing

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- Lesson 7 :AWK Programming (contd..)
 - 7.7: awk Command
 - 7.8: BEGIN and END
 - 7.9: Positional parameters and shell variable
 - 7.10: Built in functions - numeric
 - 7.11: If construct in AWK
 - 7.12: Pattern Matching
- Lesson 8 : Shell Programming
 - 8.1: Shell Variables
 - 8.2: Environmental Variables
 - 8.3: Shell script Commands
 - 8.4: Arithmetic Operations
 - 8.5: Command Substitution
 - 8.6: Command Line Arguments
 - 8.7: Conditional Execution

Other Parallel Technology Areas

- Windows OS