UNIX

Lesson 00:

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People matter, results count.

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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	Rathnajothi Perumalsamy	Revamp/Refinement

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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

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Pre-requisites

➢ **None**

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Intended Audience

➢ **Novice Users**

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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

➢ **Day 4:**

    Lesson 8: Shell Programming

    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 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 (contd..)**
  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

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➢ **Lesson 8 : Shell Programming (contd..)**

8.8: if Statement Format

8.9: Test - String Comparison

8.10: The Case Statement

8.11: While Statement

8.12: Break & Continue Statement

8.13: Until Statement

8.14: Shell functions

8.15: Using arrays.

➢ **Lesson 9 :Source Code Control System**
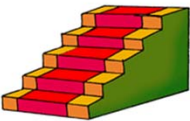
9.1: SCCS – Source Code Control System

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References

➢ **UNIX Concepts and Application; by Sumitabha Das**
➢ **The Unix Programming Environment; by Kernighan and Pike.**
➢ **UNIX Primer Plus, Third Edition; by Don Martin, Stephen Prata, Mitchell Waite, Michael Wessler, and Dan Wilson**
➢ **Advanced Unix : a programmers guide; by Stephen Prata**

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Next Step Courses (if applicable)

➢ **Linux Internal**

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Other Parallel Technology Areas

➢ **Windows OS**

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