

Shell Scripting

Duration: 25 hrs.

Introduction to Shell:

Basics of Shell

Hello world script

Shebang line

Variables

Set and Unset a variable

Types of variables

Data Types

Operations on strings

Arrays

Unix-commands:

Basic commands

Advance commands (cut, awk and sed)

Command Substitution:

Assigning a command to a variable

Storing output to a variable

Assigning global value – using Export

Command Line Arguments:

Passing input in runtime.

Using input inside a program

Conditional Statements:

If

If-else

Nested if-else

Loops and control statements:

For loop

While loop

Until

Nested loops

Break and continue

Case statement

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Functions:

Creating a function

Calling a function in file

Calling a function in another file

Scheduler:

Scheduling a job – using 'Crontab'

Scheduling a job – using 'at'

Advance shell scripting:

Running Shell script on remote servers

AWK Scripting

Connecting to Database & Running SQL queries from shell script

Working with DevOps scripts

Working with AWS Automation