

# Automation with Shell Scripting

NarendraP

Learn How to Automate Common Tasks with **Bash** Shell Scripting

# Course Overview

- Shell Scripting is a great way to Automate repetitive tasks in our Linux/Unix Environment.
- What is a Shell Script ?
  - Shell Script is a sequence of system commands pasted in a text file.
  - Example:
    - Send some XYZ Report to compliance team @ Every Friday
      - Report: Versions Info of Docker and Nginx and OS Uname
- We can enhance the shell scripts by using the below concepts:
  - Variables
  - Filters like grep, cut, awk and sed Commands
  - Conditional Statements
  - Loops
  - Functions
  - Job Scheduling and Many more

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Automation  
with  
**Bash Shell Scripting**  
(#!/bin/bash)

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# Syllabus for the Course

- How to write shell scripts from basic to advanced level
- What is the shebang line and why every shell script need ones.
- How to create and use variables
- Testing and Decision Making
- Command line arguments
- Input and output
- Conditional Statements
- Exit status
- filters like grep, awk, cut ,sed, tr and find
- Functions
- Wildcards
- Loops
- Case statements
- Logging
- Debugging tips
- Bash Shell Options
- Working with remote servers
- Practice on each topic

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# Prerequisites to Enroll this Course

- **Basic knowledge on Linux/Unix OS and Commands**
- **Basic Knowledge to use vi/vim command line editors**

# Who Can Enroll This Bash Shell Scripting Course ?

- Any Admin who is using Server/OS as Linux/Unix

**Thank you**