

PROFESSIONAL TRAINING COURSE



## 3 Days Course on Linux Bash Shell Scripting



**Two Sigma Technologies**

Suite B, 19-2, Jalan PGN 1A/1, Pinggiran Batu Caves,  
68100 Batu Caves, Selangor  
Tel : 03-61880601/Fax :03-61880602  
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## About the Course

This four-day course is designed to give participants practical experience in developing and writing Bash shell scripts. Most of the built-in shell commands are introduced together with the main program control structures. The course also gives practical experience using a range of Linux tools to manipulate text and incorporate into Linux Bash shell scripts.

## Pre-Requisites

Have an experience using Linux Operating System and have basic programming skills.

## Who Should Attend

System / Network administrators & support people, programmers and prospective Linux power users, looking to harness the power of task automation through shell scripting.

## Course Settings

Venue/Date	Refer to Training Calendar
Timings	0900-1700
Inclusive	Certificates and notes
Course Fees	Contact us at sales@2-sigma.com
Timings	0900-1700 (3 Days)
Audience	IT Officer, System and Network administrators
Level	Basic-to-Intermediate

## Linux Bash Shell Scripting Schedule

Day 1	
09.00am – 10.00am	<b>Bash &amp; Bash Scripts</b> <ul style="list-style-type: none"> <li>Bash Scripting Overview</li> <li>Shell Programs &amp; Command Executions</li> <li>Shell Building Blocks</li> <li>Developing Good Scripts</li> </ul>
10.00am – 10.30am	Breakfast
10.30am – 12.45pm	<b>Writing &amp; Debugging Scripts</b> <ul style="list-style-type: none"> <li>Creating &amp; Running Scripts</li> <li>Script Basics</li> <li>Debugging Bash Scripts</li> </ul> <b>The Bash Environment</b> <ul style="list-style-type: none"> <li>Shell Initialization Files</li> <li>Variables</li> <li>Quoting Characters</li> </ul>
12.45pm – 02.15pm	Lunch
02.15pm – 05.00pm	<b>The Bash Environment (Continue)</b> <ul style="list-style-type: none"> <li>Shell Expansion</li> <li>Aliases</li> <li>Bash Options</li> </ul>

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Day 2	
09.00am – 10.00am	<b>Regular Expressions</b> <ul style="list-style-type: none"> <li>• Regular Expressions</li> <li>• Using Grep</li> <li>• Pattern Matching using Bash Features</li> </ul>
10.00am – 10.30am	Breakfast
10.30am – 12.45pm	<b>GNU Sed Stream Editor</b> <ul style="list-style-type: none"> <li>• Sed Commands</li> <li>• Interactive Editing</li> <li>• Non-Interactive Editing</li> </ul>
12.45pm – 02.15pm	Lunch
02.15pm – 05.00pm	<b>GNU AWK Programming Languages</b> <ul style="list-style-type: none"> <li>• Gawk Commands</li> <li>• Print Program</li> <li>• Gawk Scripts and variables</li> </ul> <b>Conditional Statements</b> <ul style="list-style-type: none"> <li>• If/then/elif/else Constructs</li> <li>• Nested if Statements</li> <li>• Boolean Operations</li> <li>• Using Case Statements</li> </ul>
Day 3	
09.00am – 10.00am	<b>Writing Interactive Scripts</b> <ul style="list-style-type: none"> <li>• Displaying User Message</li> <li>• Catching User Input</li> </ul>
10.00am – 10.30am	Breakfast
10.30am – 12.45pm	<b>Repetitive Tasks</b> <ul style="list-style-type: none"> <li>• The for loop</li> <li>• The while loop</li> <li>• The until Loop</li> <li>• I/O Redirection and Loops</li> <li>• Break and Continue</li> <li>• Making Menus with the Select Built-in</li> <li>• Shift Built-in</li> </ul>
12.45pm – 02.15pm	Lunch
02.15pm – 05.00pm	<b>More On Variables</b> <ul style="list-style-type: none"> <li>• Variables Types</li> <li>• Array Variables</li> <li>• Operation on Variables</li> </ul> <b>Functions</b> <ul style="list-style-type: none"> <li>• Function Syntax</li> <li>• Functions in Scripts</li> </ul> <b>Catching Signals</b> <ul style="list-style-type: none"> <li>• Signals</li> <li>• Traps</li> </ul>



## More Information

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To register, please email to [sales@2-sigma.com](mailto:sales@2-sigma.com) or fax the registration form to 03-61880602, we will contact you for further action.

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