SMART TRIANGLES
Quality, Effectiveness, Accuracy

Class Name:	*Introduction to UNIX/Linux*
Level:	Introductory
Duration:	5.0 days
Audience:	Users and programmers, with limited/no previous UNIX experience
Description:	A hands-on introduction to the UNIX Operating System. Features include maneuvering through the file system, file redirection & pipes, proficiency using the **vi** text editor, creating shell programming using logical constructs. Covers 50-54 of the most commonly used system commands.

Outline:	Module Description	Time in Hours
	• Introduction: What is UNIX?	.75
	• History of UNIX	.75
	• References & Documentation	.25
	• Logging On and Off of a UNIX System	.50
	• Structure of UNIX Commands	.75
	• File Names & Permissions	1.00
	• Hierarchical File System	1.25
	• Metacharacters and Reserved Words	1.00
	• Printing	.50
	• UNIX Editors	7.25

- Basic editor commands: insert, delete, cursor positioning; using the .exrc file
- The **vi** Editor
- *set* commands; abbreviations with *abbr*
- Unnamed & named buffers; moving and copying text
- Macros: using the *map* command

	• Profiles (.profile and /etc/profile)	1.00
	• Using and Creating Shell Programs/Scripts	1.00
	• UNIX Shells (Bourne/Bash/Korn Shell Tutorial)	1.75
	• File Redirection & Pipes	2.00
	• Variables	1.50
	• Shell Processes	1.50
	• Shell Programming/Using Logic Constructs:	7.75

- The **case** Statement
- The **if** Statement
- The **test** Command
- The **while** and **until** Statements
- The **true** and **false** Statements
- The **for** Statement

	• UNIX Command Summary Guide	7.75

- Covered commands include:

  cal, cat, cd, chgrp, chmod, chown, cp, cut, date, exit, file, grep, jobs, kill, let, ln, lp, ls, mkdir, mv, nice, nohup, pg, print, pwd, rm, sleep, tail, tee, test, touch, tput, umask, wc

Approximate Total Time	40.00 hrs