

Complete programming with Perl

A 5 day **Hands on** training course



Description

A hands on introduction to programming in Perl



Key outcomes

By the end of the course delegates will be able to:

- ✓ Write Perl programs.
- ✓ Use Perl modules.
- ✓ Debug Perl programs.
- ✓ Examine existing code and determine its function.



Training Approach

This structured course uses Instructor Led Training to provide the best possible learning experience. Small class sizes ensure students benefit from our engaging and interactive style of teaching with delegates encouraged to ask questions throughout the course. Quizzes follow each major section allowing checking of learning. Hands on sessions are used throughout to allow delegates to consolidate their new skills.



Details

Who will benefit?

Programmers wishing to learn Perl.

Prerequisites

None although experience in another high-level language would be useful.

Duration: 5 days

Overall rating:



Generic Training



Generic training compliments product specific courses covering the complete picture of all relevant devices including the protocols "on the wire".

"Friendly environment with expert teaching that teaches the why before the how."
G.C. Fasthosts

Small Class Sizes



We limit our maximum class size to 8 delegates; often we have less than this. This ensures optimal interactivity between delegates and instructor.

"Excellent course. The small class size was a great benefit..."
M.B. IBM

Hands On Training



The majority of our courses use hands on sessions to reinforce the theory.

"Not many courses have practice added to it. Normally just the theoretical stuff is covered."
J.W. Vodafone

Our Courseware



We write our own courses; courseware does not just consist of slides and our slides are diagrams not bullet point text.

"Comprehensive materials that made the course easy to follow and will be used as a reference point."
V.B. Rockwell Collins

Customise Your Course



Please contact us if you would like a course to be customised to meet your specific requirements. Have the course your way.

"I was very impressed by the combination of practical and theory. Very informative. Friendly approachable environment, lots of hands on."
S.R. Qinetiq

Complete programming with Perl

Course Content

Introduction to Perl

What is Perl? When to use Perl, downloading Perl, installing Perl, documentation, perldoc, running Perl, the Perl environment. Perl under UNIX, Perl under Windows. "Hello world".

Variables

Scalars, data types, \$_, strings and numbers, assignment, constants, strict, scope, <STDIN>.

Operators

Number operators, string operators, precedence and associativity, converting numbers and strings, shortcut operators.

Flow control

Blocks, if, else, elsif, unless, foreach, while, for do, until.

Regular expressions

What are regular expressions? Pattern matching, Perl as a filter, file editing.

Strings

Comparing strings, concatenating, substrings, chomp, chop, formatting, string manipulation.

Subroutines

Definition, calling, return values, arguments, local variables.

Arrays and hashes

Working with arrays, element access, push(), pop(), shift(), unshift(), <STDIN> as an array, associative arrays, hashes of arrays, hash references, arrays of hashes, hashes of hashes.

Files

Simple file handling, open, close, <FILEHANDLE>, <>, file tests, directory access, directory handles, database access, packing and packing binary data.

I/O

STDIN, STDOUT and STDERR, Command line arguments, @ARGV.

Perl debugging

The built in debugger, running the debugger, debugger commands, graphical debuggers. Script syntax errors, single stepping, breakpoints, watches.

Packages and modules

CPAN, Finding modules, installing modules, using modules, scope.

Report formatting

Formats, defining a format, invoking a format, field holders.

Process management

System interaction, system(), exec(), signals. Security issues.

