

# Total PHP for developers

A 3 day **Hands on** training course



## Description

PHP provides for the creation of dynamic web sites. This hands on training course looks at programming with PHP with an emphasis of building dynamic websites. Forms, state management and database integration are all covered with practical used throughout the course to reinforce theory sessions.



## Key outcomes

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

- ✓ Create dynamic web sites using PHP.
- ✓ Write PHP programs.
- ✓ Debug PHP 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?

Anyone creating dynamic web sites.

### Prerequisites

Software development fundamentals

**Duration:** 3 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

# Total PHP for developers

## Course Content

### What is PHP?

PHP history, dynamic web pages, how PHP works, alternatives to PHP. Downloading and installing PHP. Installing MySQL, installing Apache, platform issues.

### A first PHP web page

A basic PHP script, PHP page structure. PHP comments. Integrating PHP and HTML.

### PHP forms

HTML forms, taking values from forms.

### PHP and HTML

Page inputs, environment inputs. phpinfo(), other form elements, sticky fields, generalised code, tables, forms, form elements, style sheets, JavaScript.

### Variables operators and expressions

Expressions, data types, assignments, scope, constants, HTTP environment variables, getting data from forms using variables.

### Operators

Arithmetic, logical, relational, Boolean, others.

### Control statements

Conditional: if, else, elseif, switch. Loops: while, do while, for, break, continue, exit.

### Functions

Built in functions, declaration, arguments, scope, loading functions from other files, defaulting parameters, call by value/ name.

### Arrays

Indexes, array initialisation, array manipulation, multi dimensional arrays, array functions.

### String handling

What is a string, string functions, matching, extraction, replacement. String operations, cleansing, sprintf, formatting web pages, stripslashes and others, splitting strings, REs.

### PHP and databases

Database structure, Database APIs, MySQL, Creating tables, Editing tables, simple SQL queries using PHP, building HTML tables using SQL queries, SQL injection, security issues, error handling.

### File I/O

Opening, reading, writing files. Permissions, ownership, locking, directories.

### PHP, cookies and sessions

State, Cookie properties, setting cookies, retrieving cookies, expiring/deleting cookies. Sessions, session variables, session IDs.

### PHP and email

Emailing from servers, attachments.

### Objects

OOP, PHP classes, constructors, instances.

