

Advanced PHP Programming

Extending PHP Skills with RESTful Services, Security, Unit Testing, Best Practices & More

Course Snapshot

- **Course: Advanced PHP Programming (TT4945)**
- **Duration:** 3 days
- **Audience & Skill Level:** This intermediate and beyond level course is for experienced PHP web developers.
- **Hands-on Learning:** This course is approximately 50% hands-on lab to lecture ratio, combining engaging expert lessons, demos and group discussions with real-world, skills-focused machine-based labs and exercises. Student machines are required.
- **Delivery Options:** This course is available for **onsite private classroom presentation, live online virtual presentation**, or can be presented in a **blended learning format**. Please also ask about our **Self-Paced / Video / QuickSkills** or **Mini-Camp / Short Course** flexible delivery options.
- **Public Schedule:** This course has active dates on our live-online open enrollment **Public Schedule**.
- **Customizable:** This course agenda, topics and labs can be further adjusted to target your specific training skills objectives, tools and learning goals. Please ask for details.

Overview

Geared for experienced PHP web developers, **Advanced PHP Programming** is a hands-on course that provides students with the knowledge necessary to take their core PHP skills to an advanced. Students will learn how to process XML with PHP, work with SOAP and RESTful Web Services, use Ajax with PHP, extend PHP with PEAR, secure PHP applications and more.

Working in a hands-on learning environment led by our expert practitioner, students will learn to:

- Program in Object-Oriented PHP
- Process XML with PHP
- Create and Consume SOAP and RESTful Web Services
- Use Ajax at the Back end of PHP Applications
- Extend PHP with PEAR and explore the most useful PEAR modules
- Secure PHP Applications | PHP Security
- Master PHP Best Practices (Code management, Unit Testing, Documentation and more)

Need different skills or topics? If your team requires different topics or tools, additional skills or custom approach, this course may be further adjusted to accommodate. We offer additional PHP, web development and other related topics that may be blended with this course for a track that best suits your needs. Our team will collaborate with you to understand your needs and will target the course to focus on your specific learning objectives and goals.

Audience & Pre-Requisites

This intermediate and beyond level course is for experienced PHP web developers.

Take Before: Students should have skills equivalent to or should have recently attended the course(s) below as a pre-requisite:

- TT4943 Intermediate PHP Programming

Related Courses: PHP Training Series

- TT4940 PHP Programming Fundamentals
- TT4943 Intermediate PHP Programming
- TT4945 Advanced PHP Programming | PHP with XML, Ajax, RESTful Services, Web Services, PHP Security & More

Course Topics / Agenda

- | | | |
|--------------------------------|---|---------------|
| 1. Object-Oriented PHP | | |
| • Building a Class | • Working with Properties and Functions | • modifiers |
| • Constructors and Destructors | • Private, Protected, Public | • Inheritance |
| | | • Interfaces |

2. PHP XML Support

- Simple XML Object
- Executing XPath Queries
- DOM Interoperability
- Using XPath
- XSLT and PHP

3. PHP Web Services

- Web Services Technology Stack
- Web Services with PHP
- Working with PHP and WSDL
- PHP and SOAP
- Debugging Web Services

4. RESTful Web Services with PHP

- REST vs SOAP

- Consuming Services
- Creating Services
- Debugging RESTful Web Services

5. Ajax with PHP

- Ajax Overview
- Ajax on the Server
- Ajax on the Client
- JSON, Ajax and PHP

6. Extending PHP with PEAR

- Finding packages on PEAR
- Installing PEAR packages
- Updating PEAR packages
- Uninstalling PEAR packages
- PECL

7. PHP and Security

- General PHP security
- Data Validation
- Protecting against SQL Injection
- Thwarting Cross-site Scripting
- Sensitive Data Management

8. PHP Best Practices

- Code management
- Code style
- Documentation
- Security
- Unit testing

For More Information

For more information about our dedicated training services, collaborative coaching services, courseware licensing options, public course schedule, training management services, partner programs, or to see our complete list of course offerings and special offers please visit us at www.triveratech.com, email Info@triveratech.com or call us toll free at **844-475-4559**. Our pricing and services are always satisfaction guaranteed.

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