

ICPHP
DEVELOPER FUNDAMENTALS

IC PHP
Developer Fundamentals

Program Overview

New Certification Program by

TESI AUTOMAZIONE
IT Training & Certification Company

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What is PHP®

- PHP is a recursive backronym of: *PHP Hypertext Preprocessor*
- Scripting language for **web development**.
- **Server-side**, also used as a **programming language**.
- Notable users of web PHP pages include: **Wikipedia, Facebook** and **Google**.
- **Free** and **open-source** (*great appeal for J developers*).
- For Developers connecting web pages to **R**elational **D**atabase **M**anagement **S**ystems **(RDBMS)**, most common and popular choice is PHP.
- Global usage of PHP pages (**dynamic**), rather than HTLM or Java (statics).
- Typically connected to **RDBMS**: MySQL, MariaDB & phpMyAdmin.









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The PYPL and W³Tech Indexes

- **PYPL** (PopularitY of Programming Language Index) is created by analyzing how often language tutorials are searched on Google.
- **W³Techs** (World Wide Web Technology Surveys) provides information on technologies usage on the web. Is the most reliable and extensive source of information on that segment.

Both leading indicators help to decide which language to study, or which one to be used in a new software project.



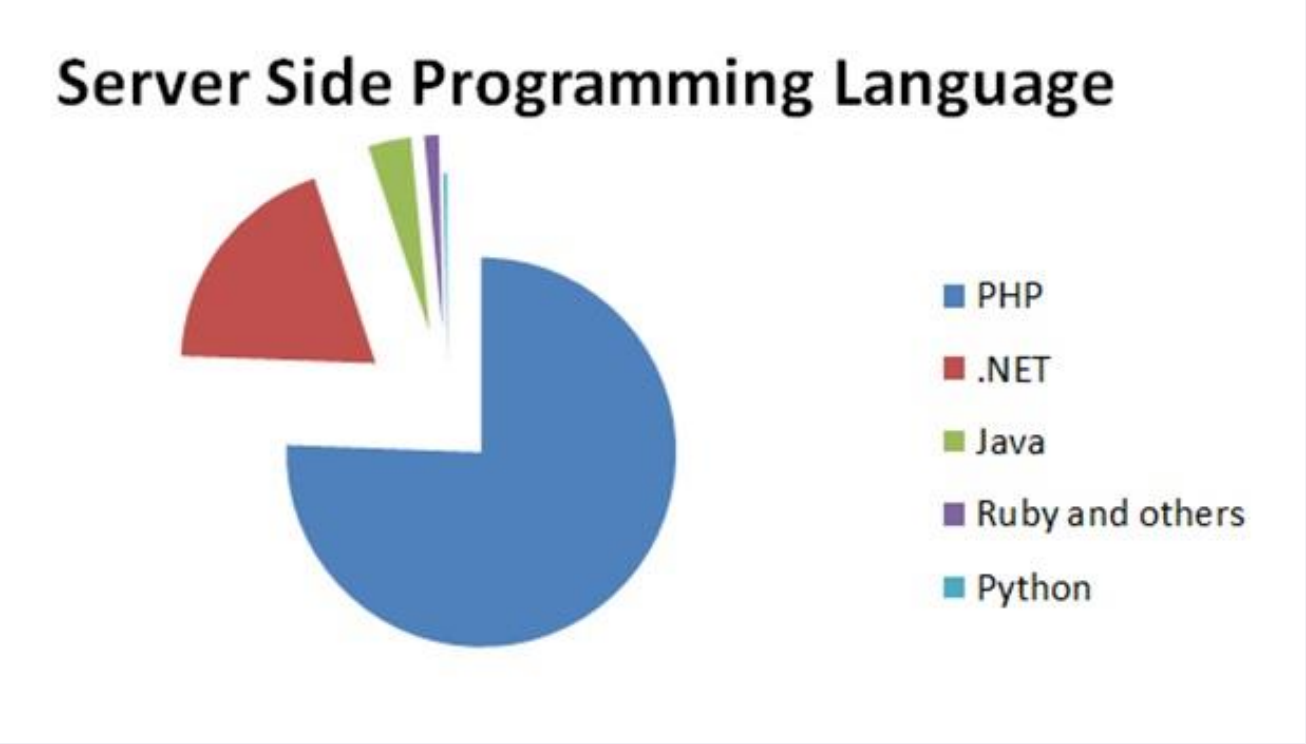






PYPL INDEX

Leading Server-Side Ranking



PHP is #1 for number language of web-clients

Source: http://pypl.github.io/PYPL.html?country

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W3Techs
Web Technology Surveys

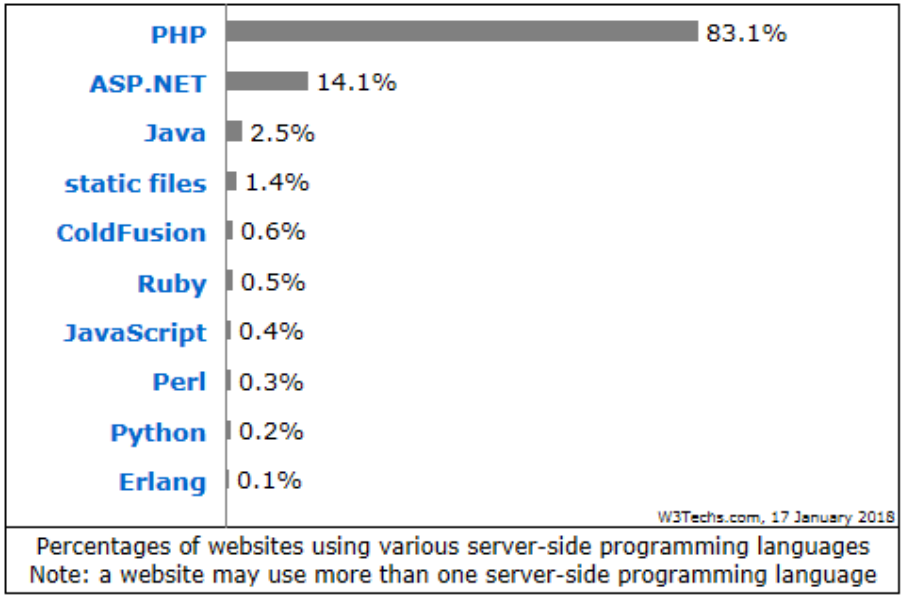
Index (survey on **January 17th 2018**)

Usage of server-side programming languages for websites

How to read the diagram:
PHP is used by 83.1% of all the websites whose server-side programming language we know.

languages.

Learn more



Percentages of websites using various server-side programming languages
Note: a website may use more than one server-side programming language

PHP is always #1 for number language of server-side

Source: https://w3techs.com/technologies/overview/programming_language/all

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Why a IC PHP® Certification

- TESI implemented since 2010 the **PHP Certification Program** (vers. 1.0) by **E.U. Project Funds** involving Universities, Research Organizations, Experts Matters, ect. Delivered **PHP thousands exams/year**.
- The today **IC PHP** certification **syllabus 2.0** is based on latest **PHP software version 7** (2017).
- As a **freeware**, big penetration in **EDUCATIONAL Market** specially **Vocational training schools/universities** and on **Edu projects with STEM "coding" focus.**
- Also big penetration on **Developer community** including **Freelance** segments, because the software **PHP**, **MySQL** and **MariaDB** are **freeware**.
- Huge **Community** of developers **worldwide**.
- Employers need a **proof of knowledge** to hire.
- PHP training **market growing constantly**.



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IC PHP Candidate Prospect

- ✓ IC PHP Developer Fundamentals Certification is the only global certification available for validates the skills and knowledge to start a career as a software developer on **PHP coding** and **Database Management Systems.**
- ✓ Candidate is **not required to have previous experience** on programming languages or to be proficient with development tools and techniques. A minimum of Digital Literacy skills, such as **IC3** or/and **MOS Certifications** is recommended.
- ✓ **IC PHP Certification** is first step for a career on web programming, also to build a complete pathway including others IT skills, such as: HTML, DB Administrator, Software Development, Block Based, Java, Python and others (**MTA modules**).

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IC PHP Candidate's Knowledge and Abilities improvement:

PHP program geared Candidate towards to build an ecommerce website using PHP coding language with MySQL/MariaDB

Knowledge:

- Critical Applications and their deployment
- Databases
- PHP Programming language
- Software Programming
- Internet Applications
- Safe programming principles

Abilities:

- To use PHP language
- To use Software Programming
- To manage MySQL/MariaDB/
- To use Database Query
- To use Software Design
- To use Application software Logic
- Creating application interfaces connected to the database

These skills are sensitive specially on Candidate placement perspective



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The IC PHP Syllabus (1/2 summary)

- **Development Environment**
  - Web server and databases MySQL. MariaDB and PhPMyAdmin
- **PHP Basics Programming**
  - General concepts
  - Programming style
  - Structure for data containing
  - Output management of PHP script
- **Conditional Instructions, of Control and Cycle**
  - The conditional logic
  - The repetitive operations
- **Complex Data Structures**
  - Array
  - Two-Dimensional Arrays

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The IC PHP Syllabus (2/2 summary)

➢ Management of the PHP code
o Use the PHP code
o Functions for the management of the variables.
o Functions for the strings management.
o Functions for the management of the data complex structure
o Functions for the date management
o Customized functions
o Send email in PHP

➢ Check and Recovery of the Data Put in a HTML form
o Data recovery from a form
o Data check of a form

➢ Information Retaining in PHP
o Sessions

➢ Databases Management and Query (RDBMS)
o How to manage Relational MySQL and MariaDB databases
o Query databases MySQL and MariaDB

➢ PHP Interaction with the Databases (RDBMS)
o PHP with RDBMS

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IC PHP Certification Program

IC PHP is a **Complete Training** and **Certification Program** including the following items (all on English language):

- Syllabus Exam with Domains and Sub-Domain lists
- Blueprint, OD, Psychometric Study, SS Tech Report, MQC documentation available
- Certification Exam
- Student Study Guide and Trainer tools
- Training and Practice Test tools
- IC PHP Developer Fundamentals Certificate (online) and Badge (coming soon)
- Complementary and Marketing Program Tools (logo, flayer, datasheet, certificate sample, PPT, ect)

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IC PHP Certification Exam

Available today all in English language:

- One (1) Linear Exam (online)
- 40 questions
- Timing: 50 minutes
- Passing Score: 700/1000
- Exam Platform: Certiport Console 8

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IC PHP Certification - SKUs for the Market

- Single Exam (Commercial and Academy/Gov)
- 100-250-500 Exams Volume Licensing Options (Academy/Gov)
- Certiport Price Levels: **A – B – C – D** and **E**
- Pricing similar of MTA exam
- IC PHP exam complete and strengthens the pathway of new generation MTA coding exams (Developer)
- PHP exam single voucher **free** available for CAPs for introducing launch time

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IC PHP Developer Fundamentals is a complete Training and Certification Program (1/2)

STUDENT LEARNING TOOLS

- **IC PHP Student product:** all-in-one product including:
  - 260+ pages **Student Guide** (e-book) connected to Practice Test/Training Mode
  - **Practice Test**: 40 question / 50 minutes (3 polls available)
  - **Training mode**: 120+ sample PHP exam questions and answers
  - **Exercises:** for work home – classroom
  - **Features:** GMatrix “Top 7 Candidates “ features
  - **Availability**: by Certiport / GMatrix



IC PHP Developer Fundamentals is a complete Training and Certification Program (2/2)

TEACHERS/INSTRUCTOR TRAINING MATERIALS

- **IC PHP Training e-product:**

  - Training Instructor Classroom Slides.
  - Training Class Timing Datasheet (led-training timing for delivery each chapter).
  - Resolution of Student Guide exercises.
  - FAQ
  - GMatrix “Teacher Favorite” Administration & Management features.
  - Availability by Certiport / GMatrix for 100-250-500 Exams Volume Licensing Options



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IC PHP - Summary

- ✓ IC PHP Developer Fundamentals Certification® certifies knowledge about PHP program language and database server connections.
- ✓ It allows the achievement of programming skills and pursue of other IT Certifications such as Adobe, Microsoft MTA & MCP, Zend PhP, LPI, etc.
- ✓ IC PHP Certification Tools help teachers on training setup and the check of the learning process, before certification exam.
- ✓ It provides sensitive skills to Candidate studies and job orientation perspective.

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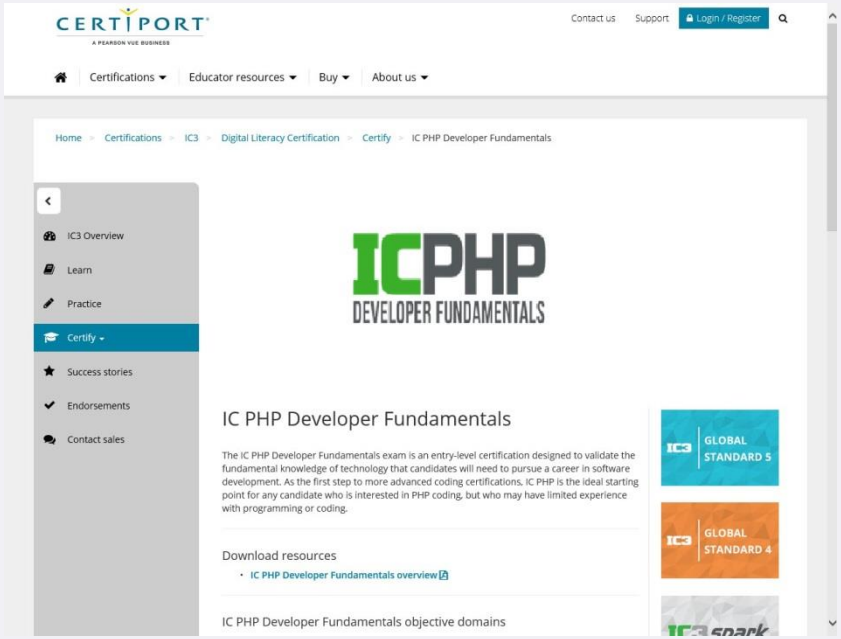
PHP Certification Program: Marketing and Info

On Certiport website already available **IC PHP program overview, syllabus, flyer, certificate sample, ect** (on IC3 certification web site pages) at the link:

https://certiport.pearsonvue.com/Certifications/IC3/Digital-Literacy-Certification/Certify/IC-PHP-Developer-Fundamentals







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MANY THANKS FOR YOUR ATTENTION!!!



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