

# Virtual Machine for Ethereum Blockchain Integration with PHP and related Course



**Certify**doc

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# Before you start



## OBJECTIVE

To **understand how to use the VM.**

To learn the fundamental components needed to programatically **integrate** PHP language projects with **Ethereum Mainnet** (read and write transactions in the Mainnet or Testnets).

## OUTCOME

- Up and running, turnkey, **royalty free VM**, configured to **read and write** transactions in Ethereum Mainnet or Testnets.
- Participants will be able to **develop their own projects** building upon the course components and the delivered turnkey VM.

## DURATION

### 5 days course

- **Day 1 - 2:** Linux virtual machine Configuration
- **Day 3:** Ethereum integration Configuration
- **Day 4 - 5:** PHP Code implementation, Tests and working VM handover

## Prerequisites

- Linux/Ubuntu OS - **I**
- LAMP (Linux, Apache, MySQL, PHP) - **B**
- Oracle VM virtual box - **I**
- Computer networks settings - **I**
- IDE Apache Netbeans - **B**
- Composer dependency management tool - **B**
- PHP language - **I**
- Ethereum Blockchain - **I**
- Blockchain user tools - **I**
- Cybersecurity/Cryptography - **B**

**B** = Basic knowledge

**I** = Intermediate Knowledge

# Content

## Linux virtual machine configuration

**Step 1:** LAMP

**Step 2:** Apache NetBeans

**Step 3:** Xdebug

**Step 4:** Composer

**Step 5:** PHP library for Ethereum integration

**Step 6:** PHP library to protect credentials in PHP files.

## Ethereum integration configuration

**Step 1:** Wallet, account, crypto-exchange

**Step 2:** Infura Interface to Ethereum

**Step 3:** Ropsten Test Ether and MetaMask

## The PHP implementation Code

- Source Code
- Variables
- Viewing Transactions on EtherScan

# Mario Scalabrino's Biography

High technology businessman, forensic consultant, graduate in Electronic Engineering, holds a master's degree in Mediation and Conflict Resolution.

Former international director of software sales and former officer of the Armed Forces in forensic scientific investigations.

Strongly value people who demonstrate tolerance, equality, and respect for others.

Passionate about blockchain, Mario loves reading and writing articles and sharing knowledge especially if it can have any social or cultural impact.



Visit Mario's profile on [Linkedin](#)

## Where can you buy the VM and its course?

<https://www.certifydoc.eu/vm-ethereum-en/>

