



### Did you know...

- There are Java EE, .NET, Classic ASP, ColdFusion/CFML, PHP, and Python language versions of ESAPI that are at different stages of maturity.
- The ESAPI for Java EE version includes a Web Application Firewall (WAF) that can be used to give development teams breathing room while making fixes
- All language versions of ESAPI Toolkits are licensed under the BSD license, which is very permissive and about as close to public domain as is possible. You can use or modify ESAPI however you want, even include it in commercial products.

# GETTING STARTED ON THE ESAPI FOR PHP PROJECT

## *ESAPI for PHP Developer Onboarding*

The ESAPI for PHP project is always on the lookout for volunteers who are interested in contributing developer cycles. Right now, we're looking for volunteers to help port ESAPI for Java EE version 1.4 to PHP version 5.2. Here's what you'll need to do, if you are interested.

### Step 1: Subscribe to the ESAPI for PHP mail list

The first step is to subscribe to the ESAPI for PHP mail list. This is a different separate mail list than the main ESAPI mail list. You can subscribe to the ESAPI for PHP mail list [here](#).

### Step 2: Ask Mike for an assignment

The next step is to email Mike to introduce yourself and to ask for an assignment. "Mike" is Mike Boberski, the project manager for ESAPI for PHP. You can email Mike [here](#).

### Step 3: Provide Mike with your Google Account ID

The next step is to email Mike with your Google Account name. If you don't have a Google Account, you'll need one. ESAPI for PHP source code and documentation is hosted on Google Code [here](#).

### Step 4: Check out the latest project source code

The next step is to obtain the SVN client of your choice (such as TortoiseSVN) and point it at the project repository [here](#).

### Step 5: Check out the ESAPI for Java source code

The next step is to obtain the ESAPI for Java EE version 1.4 baseline, again using SVN. The ESAPI for Java EE version 1.4 baseline is [here](#).

### Step 6: Start coding!

The next step is to get to work! Thank you again for contributing your valuable developer cycles, we recognize and appreciate the value of your time. More details about the approach that we're using can be found on the other side of this datasheet.

### Step 7: Email the list with any questions

If in doubt, email the list with any questions or concerns as you work on the code. Please be patient if you don't get a response right away. The development team that is working on ESAPI for PHP literally spans the globe, so depending on your location and whomever may have insight into a particular item, there may be a delay.

### Step 8: Email the list weekly with your status

Mike sends out a project status email once a week. An archive of weekly status emails can be found [here](#). Please email the ESAPI for PHP mail list with a brief summary of what you worked on during the past week, what you plan on working on the next, and any issues or requests for assistance. Please try to email your status by COB Thursday Eastern time (Mike is located in the greater Washington DC area).



#### Related OWASP projects:

- Learn about the most common web application vulnerabilities: OWASP Top Ten
- What security teams will be testing for after you integrate ESAPI: OWASP Application Security Verification Standard (ASVS)
- What you can do to help ensure that security is being built in, in the first place: OWASP Legal Project

#### For more information

For more details about OWASP ESAPI, you can find the project page [here](#).

## *Here's the approach that we're taking to port the Java code to PHP*

#### The ESAPI for Java EE is "the" design

Basically, we're going interface by interface, class by class, line by line through the ESAPI for Java EE code and translating Java language constructs into PHP version 5.2 statements. The only differences between the code should be language-specific differences. In certain instances however, a solution that is unique to PHP may be required. For example, the ESAPI for PHP configuration file is an XML file, compared to the Java version's properties file.

In such instances, please email the list with your proposal BEFORE continuing on. Basically, you need to get Mike's OK, after making sure to follow any guidance or technical direction provided by Andrew. Mike is, in addition to managing tasking, reviewing code and tests to ensure quality and consistency, and to watch for the introduction of any new dependencies. "Andrew" is Andrew van der Stock, the technical lead and the overall project lead. You can email Andrew [here](#).

#### Check this checklist, before you check in code

Please make sure to run through this checklist BEFORE you commit code:

- You have created tests for your new or updated code in /test
- You have run /test/AllTests.php and have verified that your tests all run successfully
- You have run /test/AllTests.php and have verified that your new code hasn't broken any existing code
- You have updated the phpdoc to match the ESAPI for Java EE javadoc, and added yourself to the attributions

Please make sure to run through this checklist AFTER you commit code:

- You have emailed the ESAPI for PHP mail list to let them know what code has been checked in, and what the new or modified code is or does.



The Open Web Application Security Project (OWASP) is a worldwide free and open community focused on improving the security of application software. Our mission is to make application security "visible," so that people and organizations can make informed decisions about application security risks. Everyone is free to participate in OWASP and all of our materials are available under a free and open software license. The OWASP Foundation is a 501c3 not-for-profit charitable organization that ensures the ongoing availability and support for our work.