



**OWASP**

Open Web Application  
Security Project

# 2014 ANNUAL REPORT

**GROWING • LEARNING • SHARING • LEADING .....**

# Welcome to the OWASP Foundation

We are a nonprofit organization with community members from over 100 countries globally. More than 44,000 individuals are participating in our various Chapter and Project activities. We are the largest web and application security community in the world.

In the last few years, the need for software security has grown dramatically. These days, not a week passes by without front page headlines about the latest attacks and hacks in mainstream newspapers and media. Governments and industry discuss at the highest levels recent cyber threats and how we shall defend ourselves against them. We become more and more aware how much all our lives depend on a securely functioning Internet ecosystem. At the same time, our challenges have never been greater. Nation state actors and criminals are constantly improving their own capabilities with evermore sophisticated ways to compromise systems. There is money to be made in cybercrime. As the lines between the physical world and the online world continue to merge we are increasingly living more of our lives through the capabilities and power of applications. The very systems that can empower

an amazing world are the source for multitudes of risks, like fraud, malicious activity, theft of personal data and more. The efforts put forth by OWASP and our contributors represent the path forward to an Internet where applications are secure, trusted and resilient to attacks.

Our mission is clear. We exist to make software security visible, so that individuals and organizations worldwide can make informed decisions about software security risks. OWASP is open and free for everyone to participate and all of our materials are available under a free and open source license. As a charitable, nonprofit organization, OWASP is vendor neutral and we do not endorse or recommend commercial products or services. This allows our community to remain open and bring together the collective wisdom of the best minds in software security worldwide.

2014 was an active year and our local community presence grew to more than 200 active chapters worldwide. Our Global AppSec Conferences and numerous Regional events directly engaged with over 5,000 developers and security professionals.

The technical prowess and experience in our community are demonstrated by the continued growth and publications of our 150 open source projects and technical materials. OWASP promotes innovation and learning via our projects. Our project lifecycle starts with an incubator or 'startup' process, evolves through "Lab" activities and finally culminates in Flagship projects of strategic value to academia, industry, governments and security experts around the world.

Our organization is entirely funded through the generous donations of our supporters, corporate and individual members and the proceeds of our conference events. We'd like to personally thank you for your contribution and support of OWASP. Your continued support allows OWASP to grow the application security community around the world, share our knowledge freely and learn from each other. Through this community we will continue to provide tools, resources and education that are free and open in support of our mission of improving application security for everyone.

Thank You,  
Tobias Gondrom  
Chair, Board of Directors  
OWASP Foundation  
  
Paul Ritchie  
Executive Director  
OWASP Foundation



*I've learned a lot from the OWASP documentation available on the website so, I've decided to give something back and get involved. I've decided to be active in this community, to learn more and to promote software security.*

– Oana Cornea,  
Chapter Leader OWASP Romania  
and iOS Cheat Sheet author.

## 2014 OWASP Board

Michael Coates, Chairman  
Tom Brennan, Vice Chairman  
Josh Sokol, Treasurer  
Tobias Gondrom, Secretary  
Fabio Cerullo, Member at Large  
Eoin Keary, Member at Large  
Jim Manico, Member at Large





# OWASP

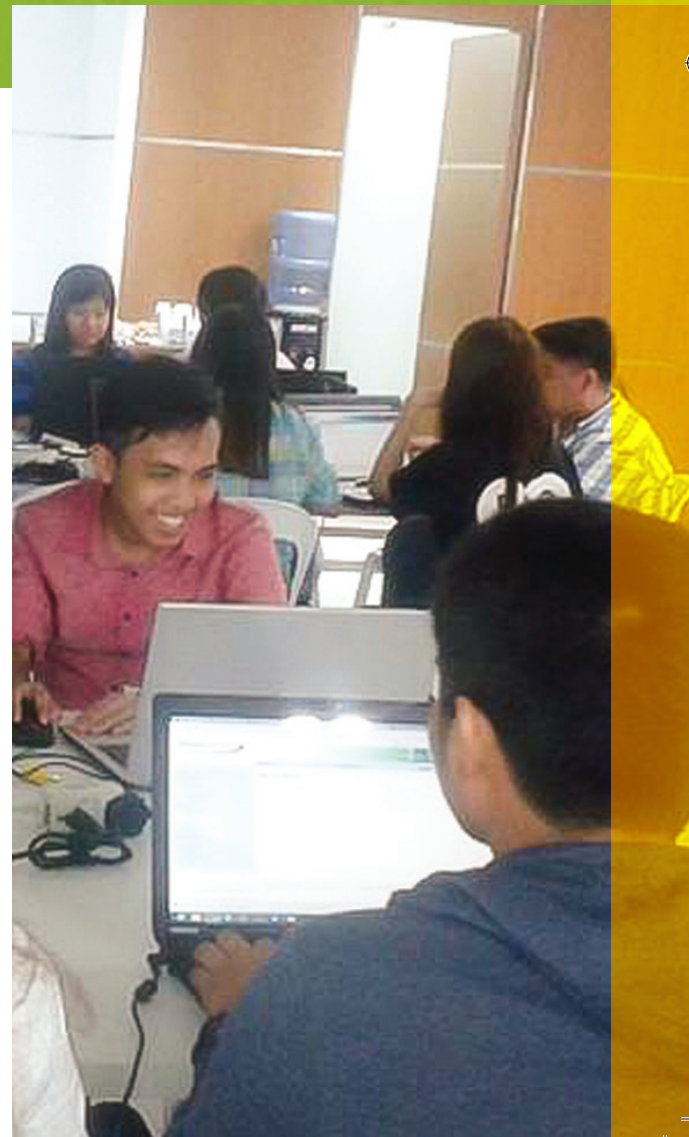
Open Web Application  
Security Project

# growing...

*“I was initially  
drawn...”*

*...to OWASP years ago [because of] the caliber of security minded people that I knew who supported and actively participated in OWASP. In addition to this OWASP is a recognized leader in application security among ethical hackers and application programmers alike. It provides a risk based approach and encourages innovative thinking and free exchange of ideas.”*

– Lee Cambria, Chapter Leader,  
OWASP Pittsburgh





# Projects

**Software Security is a nimble and agile environment.** Existing tools, documentation, and code must continuously evolve to keep up with the evolution of the threats we face. New defense strategies must be built faster than new threats appear.

The OWASP Foundation is a platform for individuals to freely test theories and ideas and harness the collective experience and support of the global community. Our projects are reviewed by a team of volunteers to ensure that the project leader is able to transform their ideas into polished open source resources. All of our tools, documentation, and code use an open source license. Once completed, they can be leveraged by anyone globally to help combat the threats we face.

During 2014, we received more than 50 new project requests.

All OWASP projects rely on the voluntary efforts of people in the software development and information security sectors. They contribute their time and energy to make suggestions, provide feedback, write, review and edit documentation, give encouragement, make introductions, produce demonstration code, promote the concept, and provide OWASP support.

..... **TOOLSWATCH**  
**TOP 10**  
**SECURITY TOOLS OF 2014**

- #2** - OWASP Zed Attack Proxy
- #5** - OWASP Xenotix XSS Exploit Framework
- #7** - OWASP Offensive (Web) Testing Framework



## In 2014, all of the OWASP Flagship Projects were reevaluated for quality and relevance. The 2014 Flagship Projects are:

### TOOLS

OWASP Zed Attack Proxy (ZAP)  
OWASP Web Testing Environment Project  
OWASP Offensive (Web) Testing Framework (OWTF)  
OWASP Dependency Check

### CODE

OWASP ModSecurity Core Rule Set Project  
OWASP Cross-Site Request Forgery (CSRF) Guard Project  
OWASP AppSensor Project

### DOCUMENTATION

OWASP Application Security Verification Standard (ASVS) Project  
OWASP Software Assurance Maturity Model (SAMM)  
OWASP AppSensor Project  
OWASP Top Ten Project  
OWASP Testing Guide Project

## 2014 PROJECT RELEASES:

OWASP Java Encoder Project v1.1.1	Application Security Verification Standard (ASVS) v2
OWASP iGoat v2.1	Mantra OS
OWASP iGoat v2.2	CISO Survey
Zed Attack Proxy (Zap) v3.0	OWASP Testing Guide v4
Security Shepherd Project	
OWASP Dependency Check v1.2.3	

## Featured Project: AppSensor



The AppSensor project, in summary, delivers a framework which can be used to build a robust system of attack detection, analysis, and response within an enterprise application.

This project was started in 2008 and was sponsored by the OWASP Foundation's Summer of Code program. This 2008 internal program was launched to provide concentrated support and funding to fledgling projects. As an outcome of this program, AppSensor Guide v1.0 was released in November of 2008.

To keep up with the ever changing environment, AppSensor Guide v1.1 was released in 2009. A complimentary OWASP Project, OWASP Enterprise Security API (ESAPI) was started in 2010. The AppSensor Guide was again improved to accommodate new needs.

All of this work and development appeared in the publication of the AppSensor Guide 2.0 in May 2014.

During the course of its lifespan, nearly 30 volunteers have contributed in the development of AppSensor. The AppSensor team engaged the OWASP community as well through presentations at three different OWASP Global AppSec conferences and participation in three OWASP project summits. The project's documentation has been referenced by universities, industry journals, and by the US Department of Homeland Security.

*In 2014 we performed a review on many OWASP projects to confirm their value in the community as Lab and Flagship Projects. Our thorough testing process was able to validate the project output, which also gave the community great confidence in the quality of our OWASP Projects. Individual Reports on the findings can be found [here](#). ”*

*– Johanna Curiel, Chair,  
OWASP Project Review Task Force*

# sharing Chapters



The **local chapters** of the OWASP Foundation are the **lifeblood of our organization**. OWASP is represented by 244 chapters in 110 different countries around the world. In 2014, **38 new chapters** were added in **20 different countries**.

Abu Dhabi (United Arab Emirates)  
Aguascalientes Mexico (Mexico)  
Ahmedabad (India)  
Albany (United States)  
Algeria (Algeria)  
Ames (United States)  
Andalucia (Spain)  
Argentina (Argentina)  
Armenia (Armenia)  
Atlanta, Georgia (United States)  
Austin (United States)  
Austria (Austria)  
Azerbaijan (Azerbaijan)  
Bahrain (Bahrain)  
Baltimore (United States)  
Bangalore (India)  
Bangladesh (Bangladesh)  
Bay Area (United States)  
Belfast (Ireland)  
Belgium (Belgium)  
Belo Horizonte Brazil (Brazil)  
Bhubaneswar (India)  
Bihar (India)  
Birmingham Alabama (United States)  
Birmingham, UK (United Kingdom)  
Bloomington (United States)  
Boise (United States)  
Bolivia (Bolivia)  
Boston (United States)  
Boulder (United States)  
Brasilia (Brasil)  
Brisbane (Australia)  
Bristol (United Kingdom)  
Brooklyn (United States)  
Buffalo (United States)  
Bulgaria (Bulgaria)  
Busan Student Chapter (South Korea)  
Cairo (Egypt)  
Cambridge (United Kingdom)  
Campinas (Brasil)

Canberra (Australia)  
Chandigarh (India)  
Charleston (United States)  
Charlotte (United States)  
Charlottesville (United States)  
Chicago (United States)  
Chicago Suburbs (United States)  
Chile (Chile)  
China (China)  
Cincinnati (United States)  
Cluj (Cluj)  
Coimbatore (India)  
Columbia, SC (United States)  
Columbus (United States)  
Cork (Ireland)  
Costa Rica (Costa Rica)  
Croatia (Croatia)  
Cuiaba (Brasil)  
Curacao (Curacao)  
Curitiba (Brasil)  
Cyprus (Cyprus)  
Czech Republic (Czech Republic)  
Dallas (United States)  
Davenport (United States)  
Delaware (United States)  
Delhi (India)  
Denmark (Denmark)  
Denver (United States)  
Des Moines (United States)  
Detroit (United States)  
Dominican Republic (Dominican Republic)  
Dubai (Saudi Arabia)  
East Midlands (United Kingdom)  
Ecuador (Ecuador)  
El Salvador (El Salvador)  
Florianopolis (Brasil)  
France (France)  
Gainesville (United States)  
Geneva (Switzerland)  
Georgetown University (United States)

Germany (Germany)  
Ghana (Ghana)  
Goiania (Brasil)  
Gothenburg (Sweden)  
Greece (Greece)  
Guadalajara (Mexico)  
Guatemala (Guatemala)  
Hartford (United States)  
Helsinki (Finland)  
Honduras (Honduras)  
Hong Kong (China)  
Houston (United States)  
Hungary (Hungary)  
Huntsville (United States)  
Hyderabad (India)  
Iceland (Iceland)  
India (India)  
Indianapolis (United States)  
Indonesia (Indonesia)  
Ireland-Dublin (Ireland)  
Ireland-Limerick (Ireland)  
Islamabad (Pakistan)  
Israel (Israel)  
Italy (Italy)  
Ivory Coast (Ivory Coast)  
Jacksonville (United States)  
Jaipur (India)  
Jerusalem (Jerusalem)  
Johns Hopkins University (United States)  
Jordan (Jordan)  
Kansai (Japan)  
Kansas City (United States)  
Karachi (Pakistan)  
Kenya (Kenya)  
Kerala (India)  
Khartoum (Sudan)  
Kitchener/Waterloo (Ontario)  
Knowville (United States)  
Krasnodar (Russia)  
Kuwait (Kuwait)  
Lahore (Pakistan)  
Leeds UK (United Kingdom)  
Lithuania (Lithuania)  
London (United Kingdom)  
Long Island (United States)

Los Angeles (United States)  
Louisville (United States)  
Lucknow (India)  
Luxembourg (Luxembourg)  
Lviv (Ukraine)  
Macedonia (Macedonia)  
Madurai (India)  
Malaysia (Malaysia)  
Manaus (Brasil)  
Manchester (United Kingdom)  
Manila (Philippines)  
Manizales (Colombia)  
Mansoura (Egypt)  
Melbourne (Australia)  
Memphis (United States)  
Mexico City (Mexico)  
Miami, South Florida (United States)  
Milwaukee (United States)  
Minneapolis St. Paul (United States)  
Mobile (United States)  
Montreal (Quebec)  
Morocco (Morocco)  
Moscow (Russia)  
Murdoch University Student Chapter (Australia)  
Nairobi (Kenya)  
Nashville (United States)  
Nepal (Nepal)  
Netherlands (Netherlands)  
New Jersey North (United States)  
New York City (United States)  
New Zealand (New Zealand)  
Newcastle (United Kingdom)  
Niagara (Ontario)  
Nigeria (Nigeria)  
Noida (India)  
North Sweden (Sweden)  
Northern Virginia (United States)  
Norway (Norway)  
Oklahoma City (United States)  
Omaha (United States)

Oman (Oman)  
Orange County (United States)  
Orlando (United States)  
Ottawa (Ontario)  
Palestine (Palestine)  
Paraguay (Paraguay)  
Paraiba (Brasil)  
Patagonia (Argentina)  
Peoria (United States)  
Perth Australia (Australia)  
Peru (Peru)  
Philadelphia (United States)  
Phoenix (United States)  
Pittsburgh (United States)  
Poland (Poland)  
Portland (United States)  
Porto Alegre (Brasil)  
Portugal (Portugal)  
Qatar (Qatar)  
Quebec City (Quebec)  
Recife (Brasil)  
Rhode Island (United States)  
Rio de Janeiro (Brasil)  
Riyadh (Saudi Arabia)  
Rochester (United States)  
Romania (Romania)  
Royal Holloway (United Kingdom)  
Russia (Russia)  
Sacramento (United States)  
Saint Louis (United States)  
Salt Lake (United States)  
San Antonio (United States)  
San Diego (United States)  
San Francisco (United States)  
Santa Barbara (United States)  
Sao Paulo (Brasil)  
Scotland (United Kingdom)  
Seattle (United States)  
Serbia (Serbia)  
Sharqiyah (Saudi Arabia)  
Sheffield (United Kingdom)

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The volunteer efforts of our local chapter leaders are how we continue to raise visibility of security risks. Chapters engage their community through a wide variety of activities:

- Speaker meetings
- Training meetings
- Study Groups
- Academic Engagement
- Local Government outreach
- Chapter collaboration on an OWASP project
- Participation in co-marketing activities with other security focused organizations
- Half- or Full-day chapter-run events
- Locally-designed initiatives

OWASP Foundation encourages each local chapter to operate as self-sufficiently as possible. Allowing our local leaders to determine the format, content, and frequency of local events and meetings, frees the community to engage in activities according to their passion and local needs. Forty percent of all membership and sponsorship fees may be allocated directly to support the chapter indicated by the member.

**The successes of our local chapters cannot always be measured by numbers and statistics. The excitement and passion of our chapter leaders and members, as shared with their local communities, are how we can best measure success.**

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Singapore (Singapore)  
Slovakia (Slovakia)  
Slovenia (Slovenia)  
Sohag (Egypt)  
South Africa (South Africa)  
South Dakota (United States)  
South Florida (United States)  
South Korea (South Korea)  
South Wales (United Kingdom)  
Southern Nevada (United States)  
Southern New Hampshire (United States)  
Spain (Spain)  
Sri Lanka (Sri Lanka)  
State College, PA (United States)  
Stockholm (Sweden)  
Sudan (Sudan)  
Sun Coast (United States)  
Sweden (Sweden)  
Switzerland (Switzerland)  
Syria (Syria)  
Taganrog (Russia)  
Taiwan (Taiwan)  
Tampa (United States)  
Thailand (Thailand)  
Toronto (Ontario)  
Tucson (United States)  
Tunisia (Tunisia)  
Turkey (Turkey)  
United Arab Emirates (United Arab Emirates)  
University of Texas (United States)  
Uruguay (Uruguay)  
UW Bothell (United States)  
Venezuela (Venezuela)  
Vermont (United States)  
Vijayawada (India)  
Washington, DC (United States)  
Ypsilanti (United States)

## Featured Chapter Japan

Japan is a country unique in culture and language. As we know, cyber threats are truly a global adversary. In March 2012, the OWASP Japan chapter began their efforts to address the visibility of software security risks in their country with an inaugural meeting in Tokyo. The chapter continued to meet on a regular basis and the leadership team grew from a single-chapter leader to a group of ten leaders, all sharing in the organization and outreach for the chapter. In 2014, the Japan chapter won the bid to host the OWASP Global AppSec APAC Conference and on March 17-20, 2014 dozens of volunteers from the Japan chapter welcomed over 400 people to participate in two days of intensive security training followed by two days of presentations by world renowned experts in the cybersecurity field.

The growth and excitement generated in this region is evidenced by the creation of two new chapters: Kansa in 2014 and Kyushu in 2015. In addition, the Japanese team of volunteers has continued to work together. In December 2014, the Japan OWASP chapter formed a joint working group with Japan Network Security Association - Information Security Operation providers Group Japan (JNSA ISOG-J) to publish the "Vulnerability consultant (Web application) skills map." Additionally, the chapter provided translations to the OWASP Snakes and Ladders project and the OWASP CISO Survey. Other translations completed by the Japan chapter include: OWASP Mobile Security Project - Top 10 mobile control, OWASP Top 10 2013, OpenSAMP, and OWASP ZAP manual.

The Chapter Leaders, Riotaro OKADA and Sen UENO, received the 2014 Web Application Security People of the Year (WASPY) award for best chapter leader. The entire Japan team received the award for best new community supporter for their successful organization of AppSec APAC 2014.

The global community will continue to benefit from the leadership and energy generated by the chapters in Japan!

# leading Membership



We provide all of our tools and documentation freely. While the global membership of our community nears 50,000 individuals, a segment of these community members have underscored their dedication to the eradication of software insecurity by contributing as a paid member of the OWASP Foundation.

As a not for profit organization, the OWASP Foundation is grateful for the financial support of our paid individual members, our paid corporate supporters, and our academic supporters. Our paid members have the opportunity to directly allocate up to 40% of their membership fees to the chapter, project, or initiative/activity of their choice. These direct allocations empower our global chapters to work locally and independently on efforts that support the overall mission of the Foundation.

The OWASP Foundation looks to our paid membership to determine the direction of the organization through the annual election of our Global Board of Directors. The Foundation Global board consists of 7 seats that are filled by 100% volunteer candidates who serve for 2 year terms. Each year the OWASP Foundation holds an election to fill the seats of those board members whose 2 year term is complete.

## Corporate Members

Accuvant Labs  
Acunetix  
Adobe Systems, Inc.  
ADP, Inc.  
Akamai  
Amazon  
Arxan Technologies, Inc.  
Aspect Security  
AsTech Consulting  
Bank of New York Mellon  
BCC Risk Advisory  
Best Buy  
Blackhat US  
Booz Allen Hamilton  
Brocade  
Checkmarx  
Cigital Inc.  
Cloud Passage  
CloudFlare  
Coalfire  
Coverity  
Denim Group  
Digital Defense Inc.  
Dropbox, Inc.

eLearn Security  
Ernst&Young  
FICO  
Fortinet  
GEMALTO, Inc.  
Gotham Digital Science  
(ISC)2  
Imperva Inc.  
Information Builders  
Ipswitch, Inc.  
Lynx Technology Partners  
Moki Mobility  
Monitorapp  
MStar Semiconductor, Inc.  
Netsparker  
NetSPI  
NetSuite Inc.  
Nokia Corp  
OneConsult GmbH  
Oracle  
Parasoft  
Ping Identity  
Prevoty, Inc.  
Protiviti

PwC Techlonogy  
Qualys  
Quotium Technologies Ltd.  
Rackspace, Inc  
Rakuten, Inc.  
Ranorex GmbH  
RedSpin  
salesforce.com  
SCSK Corporation  
Security Innovation  
SMARTRAC TECHNOLOGY GMBH  
Software Assurance Marketplace (SWAMP)  
Solutions II, Inc.  
Sonatype, Inc.  
Synack  
the Security Factory nv  
Trend Micro Inc.  
Trustwave Global  
Twitter  
UIEvolution, Inc.  
UPS  
Veracode  
White Hat Security







# Financials

## 2014 Statement of Activities

OWASP 2014 fiscal year, January 1, 2014 to December 31, 2014

### REVENUE

#### MEMBERSHIP

Corporate Membership (Foundation + Chapter) . . . . .	\$285,305
Individual membership (Foundation + Chapter) . . . . .	\$89,149
Local Chapter Membership . . . . .	\$19,592

#### DONATIONS

Donations . . . . .	\$116,095
Project Supporter Donations . . . . .	\$9,263
Local Chapter Donations . . . . .	\$20,244

#### CONFERENCES

##### AppSec USA

Conference Registration . . . . .	\$239,928
Conference Training . . . . .	\$195,808
Conference Sponsorship . . . . .	\$396,226

##### AppSec Europe

Conference Registration . . . . .	\$ 83,994
Conference Training . . . . .	\$ 80,056
Conference Sponsorship . . . . .	\$107,019
Other Income . . . . .	\$78,965

##### AppSec ASIAPAC

Conference Registration . . . . .	\$30,679
Conference Training . . . . .	\$25,959
Conference Sponsorship . . . . .	\$114,371

##### AppSec Latin America

Conference Training . . . . .	\$ 8,756
Conference Sponsorship . . . . .	\$6,440

Other Local and Regional Events . . . . . **\$244,703**

**ADVERTISING AND MARKETING . . . . . \$33,387**

**GRANTS & OTHER . . . . . \$23,462**

**TOTAL REVENUE: . . . . . \$2,209,400**

### EXPENSES

#### STAFF & CONTRACTORS

Staff Payroll & Benefits . . . . .	\$327,789
Staff Travel & Professional Development . . . . .	\$50,548
Contractors & Professional Services . . . . .	\$221,369
(Audit, Accounting, Legal, HR, IT, Admin)	

#### GENERAL & ADMINISTRATIVE (OPERATIONAL)

Software, Insurance, Bank Service fees . . . . .	\$106,379
Shipping, Office Supplies & Admin Expense . . . . .	\$18,075
Board Travel & Meetings . . . . .	\$17,937

#### CHAPTER EXPENSES

Local Chapter expenses . . . . .	\$116,705
Project Expenses . . . . .	\$43,452

#### GRANTS & SPONSORSHIP PROGRAMS

WASPY Awards . . . . .	\$9,100
Women in AppSec . . . . .	\$2,482
Grants . . . . .	\$7,761

#### OWASP OUTREACH & COMMUNITY MARKETING

OWASP Outreach & Community Building . . . . .	\$32,705
Merchandise . . . . .	\$31,024
Marketing & Communications . . . . .	\$45,188

#### CONFERENCES

AppSec USA . . . . .	\$409,491
AppSec Europe . . . . .	\$257,019
AppSec AsiaPac . . . . .	\$127,572
AppSec Latam . . . . .	\$10,677
Local and Regional Events . . . . .	\$170,518

**TOTAL EXPENSES . . . . . \$2,005,790**

**TOTAL INCOME: . . . . . \$2,209,400**

**NET INCOME . . . . . \$203,610**



# Balance Sheet

as of December 31, 2014

## ASSETS

Cash and Cash Equivalents . . . . .	\$706,604
Accounts Receivable . . . . .	\$240,341
Other Current Assets . . . . .	\$44,384
<b>Total Current Assets . . . . .</b>	<b>\$991,329</b>

Fixed Assets . . . . .	\$12,802
Prepaid Expense & Other . . . . .	\$84,162

**Total Assets . . . . . \$1,088,293**

## LIABILITIES

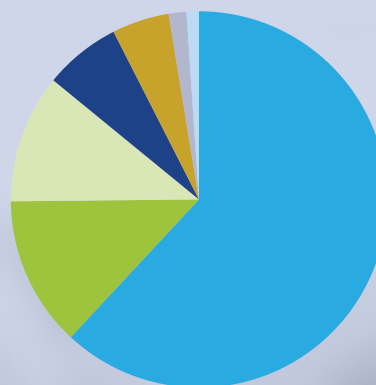
Accounts Payable . . . . .	\$104,768
Deferred Revenue . . . . .	\$183,439
Other Liabilities . . . . .	\$80,202
Payroll Liabilities . . . . .	\$5,274
WASPY & Women in AppSec . . . . .	\$6,712
<b>Total Liabilities . . . . .</b>	<b>\$380,395</b>

## EQUITY

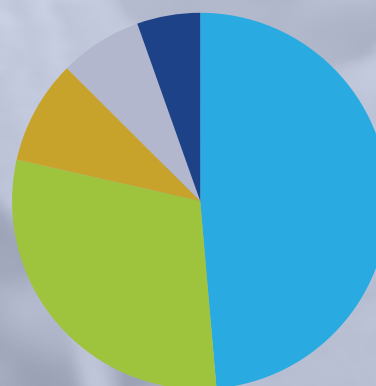
OWASP Retained Earnings . . . . .	\$300,528
OWASP Net Income, 2014 . . . . .	\$203,610
OWASP Unrestricted Net Assets . . . . .	\$203,760
<b>Total Equity . . . . .</b>	<b>\$707,898</b>

**TOTAL LIABILITIES & EQUITY . . . . . \$1,088,293**

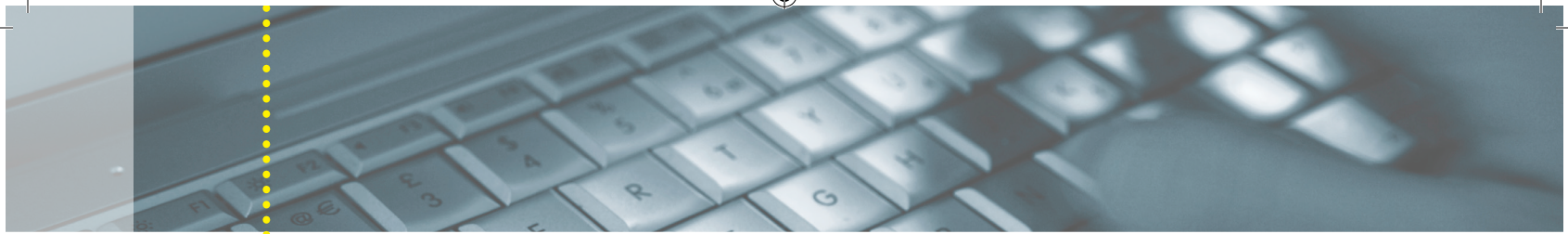
## 2014 INCOME SOURCES



## 2014 EXPENSES







[www.owasp.org](http://www.owasp.org)



[facebook.com/groups/owaspfoundation](https://facebook.com/groups/owaspfoundation)



[twitter.com/OWASP](https://twitter.com/OWASP)



[linkedin.com/grp/home?gid=36874](https://linkedin.com/grp/home?gid=36874)

