"Yes, I am a criminal. My crime is that of curiosity. My crime is that of judging people by what they say and think, not what they look like."

The Hacker Manifest
The Mentor, 1986

Wordpress + Enigform: The IBWAS Training

By Arturo 'Buanzo' Busleiman / OWASP Argentina

buanzo@buanzo.com.ar
Http://www.buanzo.com.ar/pro/eng.html

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This is who I am

Codename: Buanzo

Last Known Alias: Arturo Alberto Busleiman

Last Known Location: Breakfast lounge, Hotel Roma

Age: less than 30, in base 10.

Loves: Programming, Hacking, Playing the guitar, Livecoding, FLOSS (not dental, open source!), Linux, Music.

Loves++: Wife & Son

Hates: hating.

Geek level: SICK. My favorite joke: There are 10 kinds of people: those who know binary, and those who don't.

Favorite TV show: The Big Bang Theory.

Favorite Linux command: id

This is who I am (now seriously)

Independent security consultant. Started programming at age of 8. Started with Linux in 1994, at age 12. Hacked into national government website in 1996.

DAMN GEEK!

OWASP Project Leader (Enigform, Jiffy)

Technical advisor to the Argentinian Computer Emergency Response Team.

Specialized in forensics, hardening and beer brewing.

Long Live HTTP (and prosper)

We are going to discuss the strengths and weaknesses of HTTP, and what workarounds and solutions where applied.

Keywords:
* HTTP
* Forms
* Headers
* Authentication
* Cookies
* SSL / TLS
* Streaming
* Firefox
* Apache

OpenPGP

* What is it?
* What can we do with it?
* How can we develop tools that use it?
* How much is it used? Where?

Dreaming of Code

Have you ever dreamed the solution to a problem?

I did.

Enigform: A History

The very first Enigform PoC was a snippet of PHP code
that called the GNU Privacy Guard command line tool.

And the client was a series of HAND CRAFTED http requests.

In 2007 an OWASP member approached me and said: "Hey,
there's this OWASP thing called Spring of Code, email Dinis,
tell him about your crazy idea and see what happens".

Enigform became, thanks to OWASP, an Apache module
(mod_auth_openpgp, then renamed mod_openpgp), a Firefox
Addon (Enigform), a Wordpress (wp-enigform-authentication)
plugin, and a nice set of wiki articles, documents, talks, etc.

Let's ROCK

If you have vmware or any other virtualization solution, I have an Ubuntu Server image that you might wish to copy.

The next version of Enigform will support latest Ubuntu, but given the unstability, I decided to use an older Ubuntu version (9.10) for this training.

We will follow a wiki guide I wrote, available at:

Http://wiki.buanzo.org (title: Wordpress Plugin for Enigform Authentication – Definitive Guide).

ASK QUESTIONS DURING THE PROCESS. I will surely Ask you lots of things and make you hate me.

Wiki – Table of Contents

1. Mod_Openpgp Install: Depends, mod_openpgp and EPS
2. Server Keypair Creation
3. Client Keypair Creation and Import into Server's Keyring
4. Running EPS (Enigform Python Server)
5. Apache VirtualHost Configuration for EPS and mod_openpgp
6. Installing Enigform in your Firefox Browser
7. Wordpress Plugin Installation and Configuration
8. Wordpress Template Editing