



INTRODUCTION TO VSCAN, A VULNERABILITY DETECTION AND MANAGEMENT SYSTEM

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Agenda

- Current situation
- Purpose of VScan
- Tools used
- Live demo

Who am I?

Federico Massa

- Independent Security Consultant with wide experience working for several international organizations.
- Co-founder of VanguardSec, an information security firm.
- Interested in social projects that involve the use of information technologies.
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Current situation

- We perform Vulnerability Assessments.
- After a VA, we develop and execute a plan of security improvements.
- This plan can be difficult to carry out in time, if we cannot:
 - Measure our progress.
 - Simplify the process of resolution of vulnerabilities.

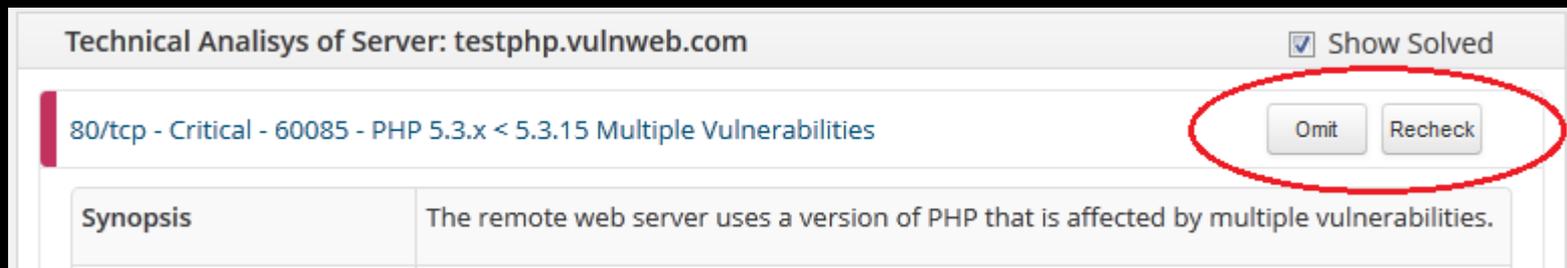
Measure our progress

- Reports of vulnerabilities in time:
 - How many vulnerabilities did we have before?
 - How many vulnerabilities do we have now?

All Reports								
Date	Total Issues	Critical	High	Medium	Low	Info	Solved	Targets
07/03/2013 11:05 AM	175	1	8	29	3	127	5	testphp.vulnweb.com
07/02/2013 09:04 PM	177	1	8	36	3	129	0	testphp.vulnweb.com

Simplify the process of resolution of vulnerabilities

- Work on a specific vulnerability:
 - Check if a vulnerability is still present.
 - Omit a vulnerability.



To address these issues I have developed VScan, a Vulnerability Detection and Management System

Purpose of VScan

- It is not a Penetration Test tool.
- To be used regularly by an organization (Targets are previously established).
- Remedial actions are taken and reflected in the application through “Recheck” and “Omit” functionalities.
- The process entirely repeats itself.

Purpose of VScan



Tools used

- PHP (Zend Framework)
- MySQL
- Nessus (used as proof of concept, more tools soon)
- Twitter Bootstrap
- Google Chart Tools
- Debian 6/Ubuntu 10.04

LIVE DEMO



Future

- More commercial and open source tools as detection engines
- Installation wizard
- PDF reports & Statistics
- More filters
- Configuration panel

Questions?