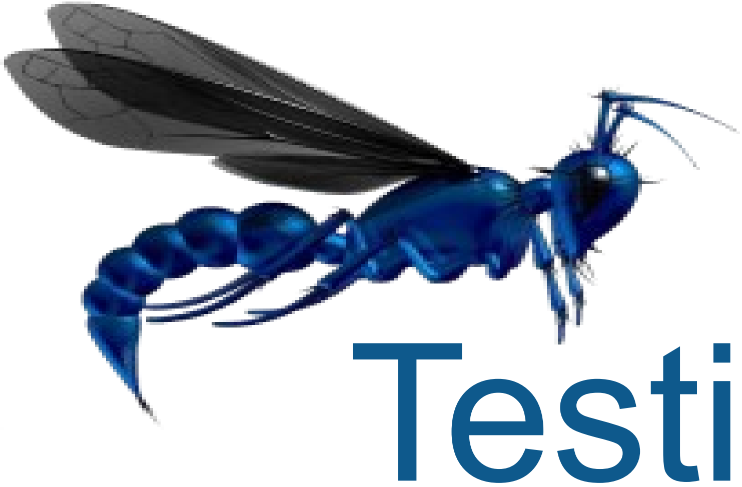
Austin, Feb 2012

The OWASP Foundation
http://www.owasp.org



Testing from the Cloud: Is the sky falling?

Matt Tesauro
OWASP Foundation Board Member,
WTE Project Lead
matt.tesauro@owasp.org

Rackspace Application Security Engineer

Who's this Matt guy anyway?

- Broad IT background

  Developer, DBA, Sys Admin, Pen Tester, Application Security professional, consultant, CISSP, CEH, RHCE, Linux+

- Long history with Linux and Open Source

  Contributor to many projects

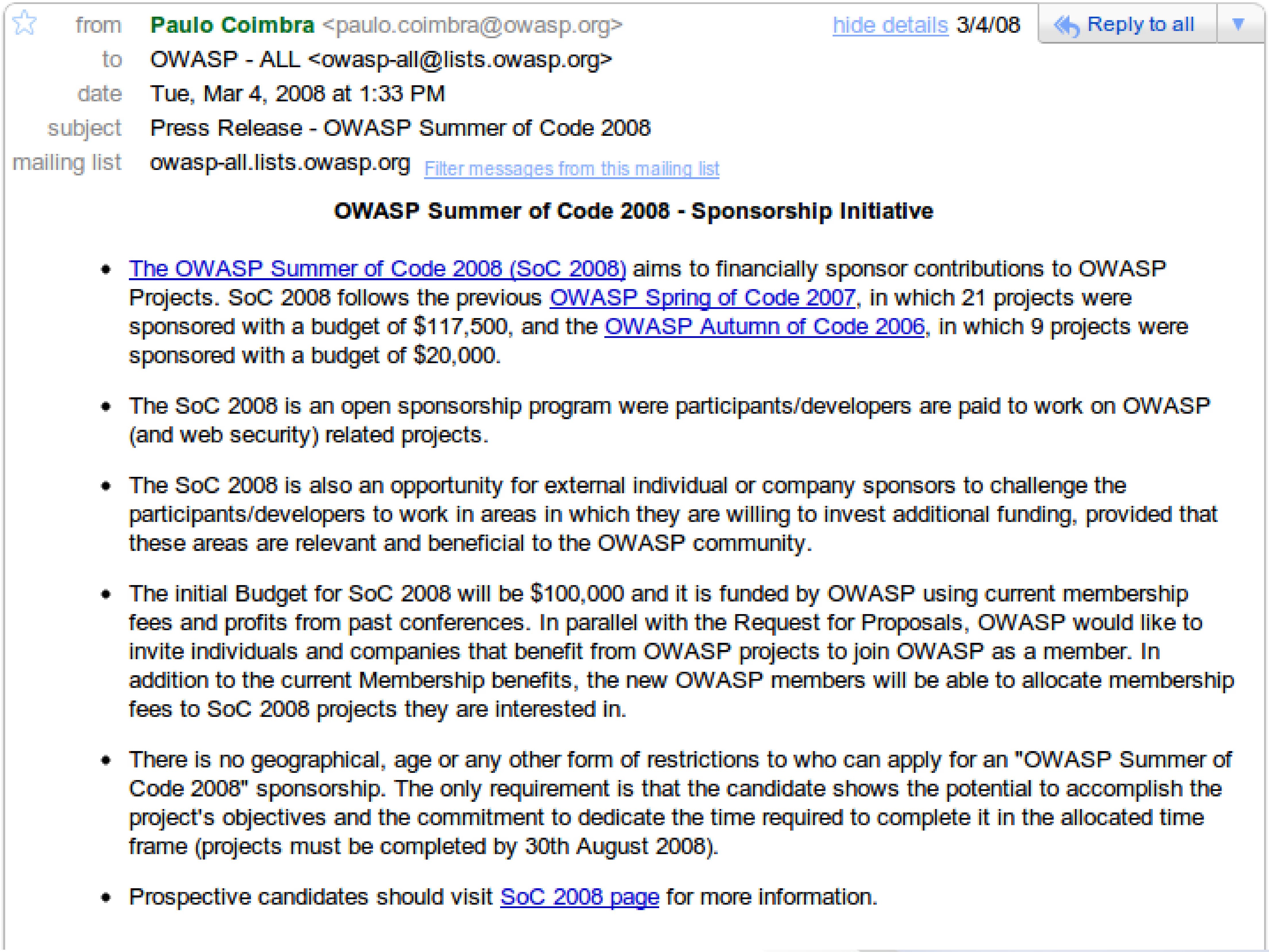
  Leader of OWASP Live CD / WTE

- OWASP Foundation Board Member

- Rackspace – Cloud Application Security

OWASP WTE: A History

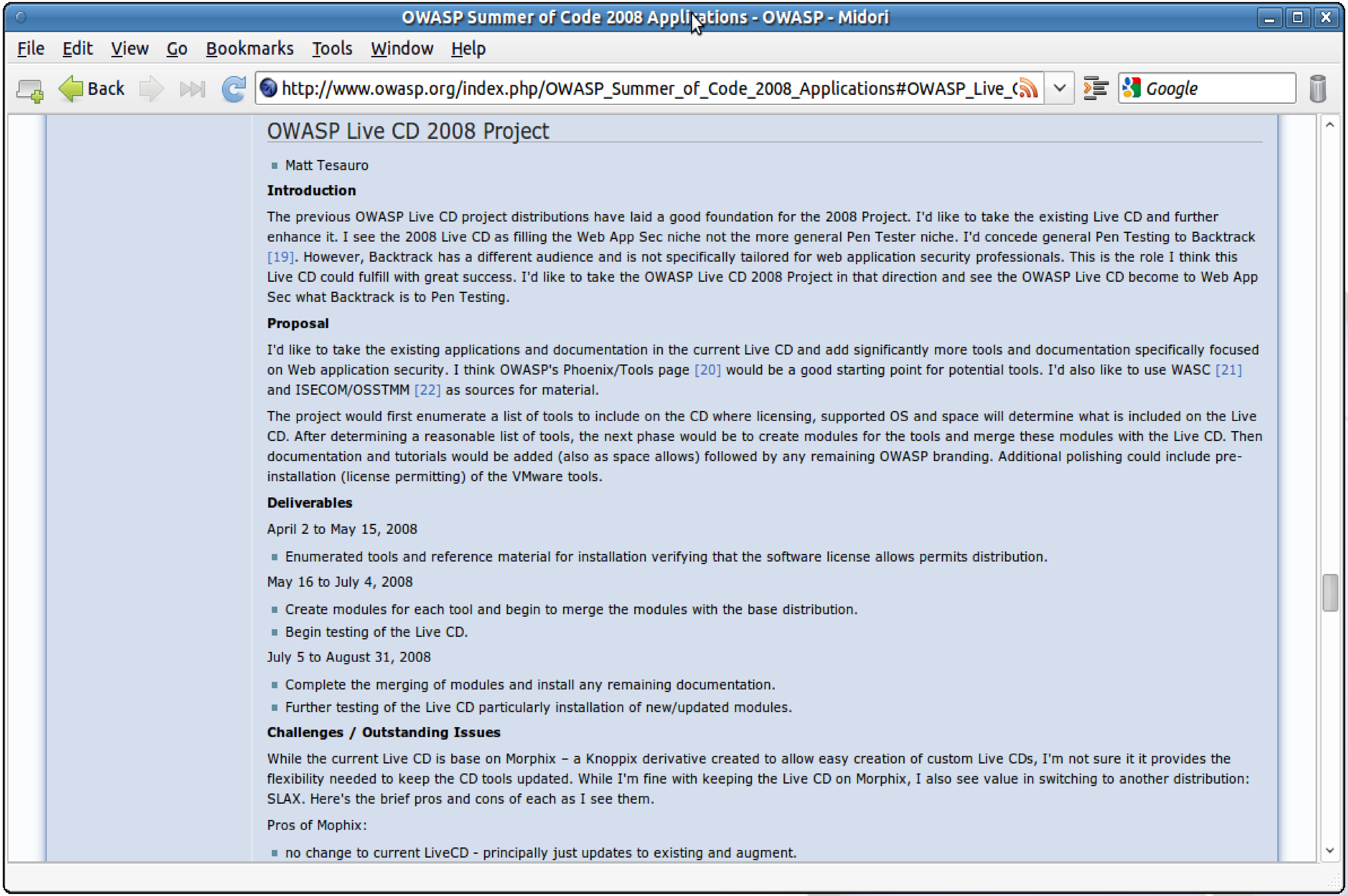
Press Release - OWASP Summer of Code 2008



from Paulo Coimbra <paulo.coimbra@owasp.org>
to OWASP - ALL <owasp-all@lists.owasp.org>
date Tue, Mar 4, 2008 at 1:33 PM
subject Press Release - OWASP Summer of Code 2008
mailing list owasp-all.lists.owasp.org

OWASP Summer of Code 2008 - Sponsorship Initiative

- The OWASP Summer of Code 2008 (SoC 2008) aims to financially sponsor contributions to OWASP Projects. SoC 2008 follows the previous OWASP Spring of Code 2007, in which 21 projects were sponsored with a budget of $117,500, and the OWASP Autumn of Code 2006, in which 9 projects were sponsored with a budget of $20,000.
- The SoC 2008 is an open sponsorship program were participants/developers are paid to work on OWASP (and web security) related projects.
- The SoC 2008 is also an opportunity for external individual or company sponsors to challenge the participants/developers to work in areas in which they are willing to invest additional funding, provided that these areas are relevant and beneficial to the OWASP community.
- The initial Budget for SoC 2008 will be $100,000 and it is funded by OWASP using current membership fees and profits from past conferences. In parallel with the Request for Proposals, OWASP would like to invite individuals and companies that benefit from OWASP projects to join OWASP as a member. In addition to the current Membership benefits, the new OWASP members will be able to allocate membership fees to SoC 2008 projects they are interested in.
- There is no geographical, age or any other form of restrictions to who can apply for an "OWASP Summer of Code 2008" sponsorship. The only requirement is that the candidate shows the potential to accomplish the project's objectives and the commitment to dedicate the time required to complete it in the allocated time frame (projects must be completed by 30th August 2008).
- Prospective candidates should visit SoC 2008 page for more information.


OWASP Summer of Code 2008 Applications - OWASP - Midori
File Edit View Go Bookmarks Tools Window Help
Back
http://www.owasp.org/index.php/OWASP_Summer_of_Code_2008_Applications#OWASP_Live_C
Google

OWASP Live CD 2008 Project

- Matt Tesauro

Introduction

The previous OWASP Live CD project distributions have laid a good foundation for the 2008 Project. I'd like to take the existing Live CD and further enhance it. I see the 2008 Live CD as filling the Web App Sec niche not the more general Pen Tester niche. I'd concede general Pen Testing to Backtrack [19]. However, Backtrack has a different audience and is not specifically tailored for web application security professionals. This is the role I think this Live CD could fulfill with great success. I'd like to take the OWASP Live CD 2008 Project in that direction and see the OWASP Live CD become to Web App Sec what Backtrack is to Pen Testing.

Proposal

I'd like to take the existing applications and documentation in the current Live CD and add significantly more tools and documentation specifically focused on Web application security. I think OWASP's Phoenix/Tools page [20] would be a good starting point for potential tools. I'd also like to use WASC [21] and ISECOM/OSSTMM [22] as sources for material.

The project would first enumerate a list of tools to include on the CD where licensing, supported OS and space will determine what is included on the Live CD. After determining a reasonable list of tools, the next phase would be to create modules for the tools and merge these modules with the Live CD. Then documentation and tutorials would be added (also as space allows) followed by any remaining OWASP branding. Additional polishing could include pre-installation (license permitting) of the VMware tools.

Deliverables

April 2 to May 15, 2008

- Enumerated tools and reference material for installation verifying that the software license allows permits distribution.

May 16 to July 4, 2008

- Create modules for each tool and begin to merge the modules with the base distribution.
- Begin testing of the Live CD.

July 5 to August 31, 2008

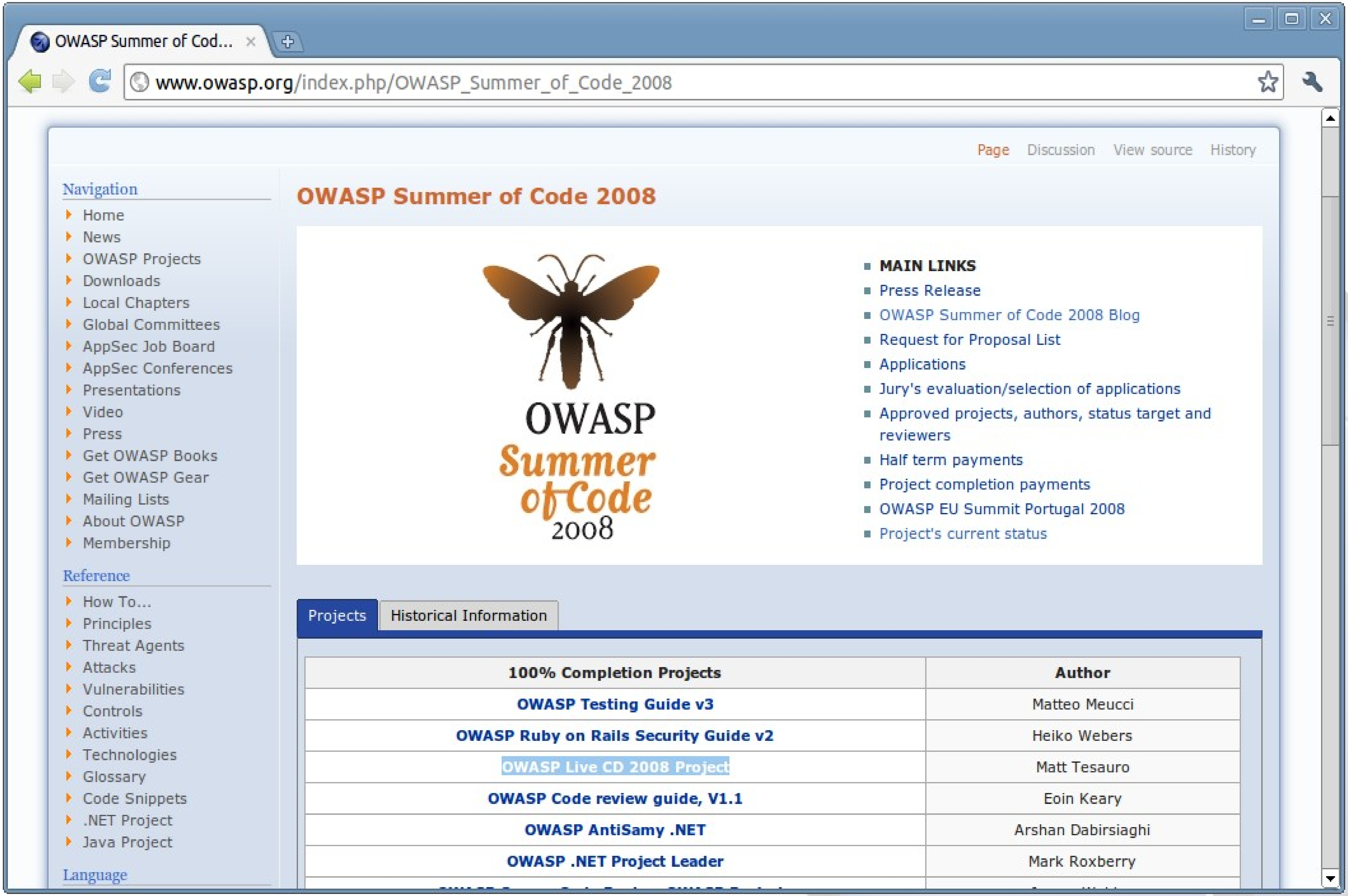
- Complete the merging of modules and install any remaining documentation.
- Further testing of the Live CD particularly installation of new/updated modules.

Challenges / Outstanding Issues

While the current Live CD is base on Morphix – a Knoppix derivative created to allow easy creation of custom Live CDs, I'm not sure it it provides the flexibility needed to keep the CD tools updated. While I'm fine with keeping the Live CD on Morphix, I also see value in switching to another distribution: SLAX. Here's the brief pros and cons of each as I see them.

Pros of Mophix:

- no change to current LiveCD - principally just updates to existing and augment.



OWASP Summer of Code 2008

- **MAIN LINKS**
- Press Release
- OWASP Summer of Code 2008 Blog
- Request for Proposal List
- Applications
- Jury's evaluation/selection of applications
- Approved projects, authors, status target and reviewers
- Half term payments
- Project completion payments
- OWASP EU Summit Portugal 2008
- Project's current status

100% Completion Projects	Author
OWASP Testing Guide v3	Matteo Meucci
OWASP Ruby on Rails Security Guide v2	Heiko Webers
OWASP Live CD 2008 Project	Matt Tesauro
OWASP Code review guide, V1.1	Eoin Keary
OWASP AntiSamy .NET	Arshan Dabirsiaghi
OWASP .NET Project Leader	Mark Roxberry

- Current Release
  - OWASP WTE Sept 2011
  - Alpha of WTE Cloud

- Previous Releases
  - OWASP WTE Feb 2011
  - OWASP WTE Beta Jan 2010
  - AppSecEU May 2009
  - AustinTerrier Feb 2009
  - Portugal Release Dec 2008
  - SoC Release Sept 2008
  - Beta1 and Beta2 releases during the SoC

Note: Not all had ISO, VirtualBox and Vmware versions

Overall downloads: 330,081 (as of 2009-10-05)

Other fun facts

- ~5,094 GB of bandwidth since launch (Jul 2008)
- Most downloads in 1 month = 81,607 (Mar 2009)

There's a new kid in town

OWASP WTE

Web
Testing
Environment

- The project has grown to more than just a Live CD
  - VMWare installs/appliances
  - VirtualBox installs
  - USB Installs
  - Training Environments
  - Pre-packaged tools
  - Cloud???
  - Add in the transition to Ubuntu/Debian and the possibilities are endless

    (plus the 26,000+ packages in the repos)

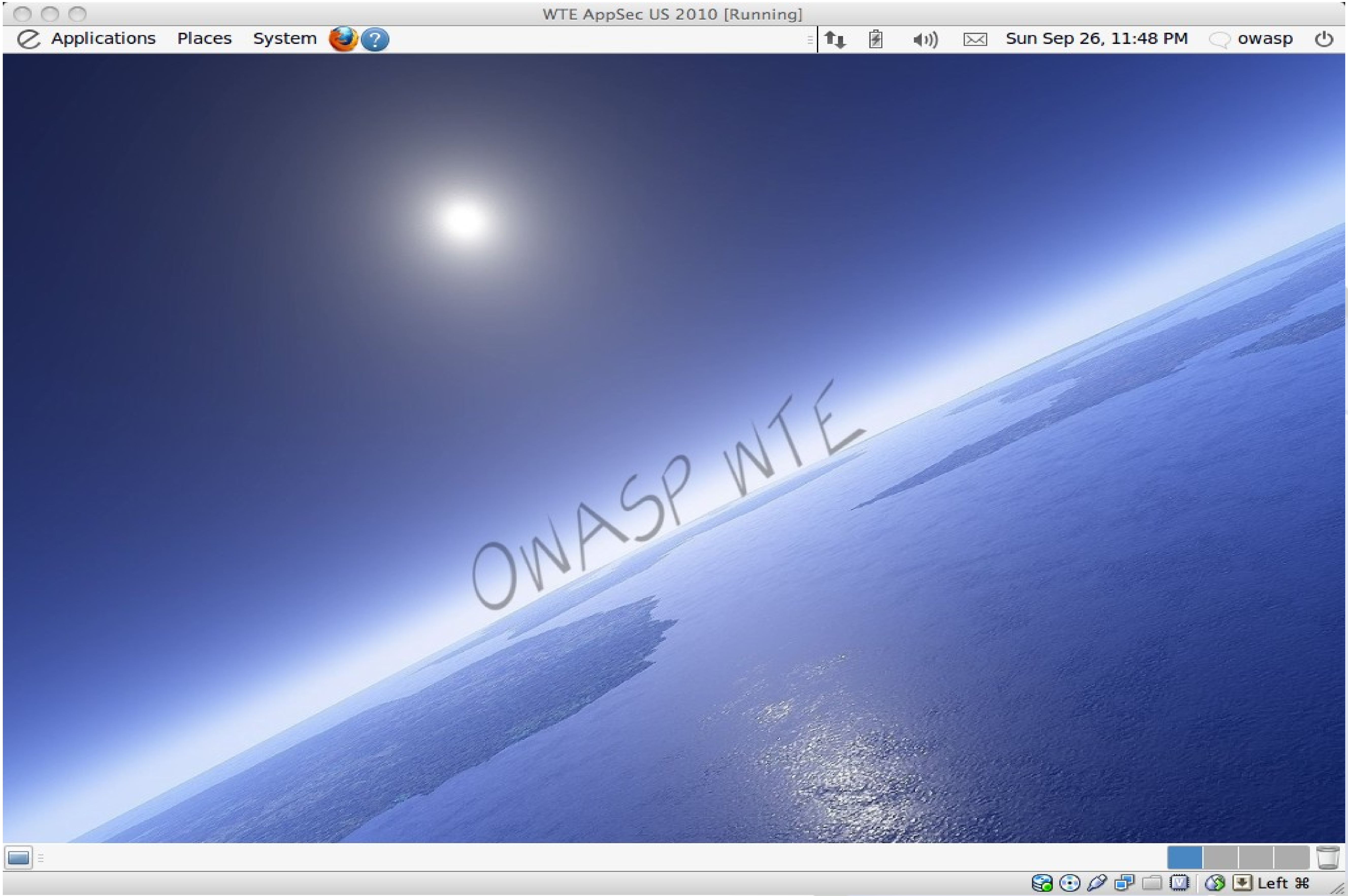
- GOAL

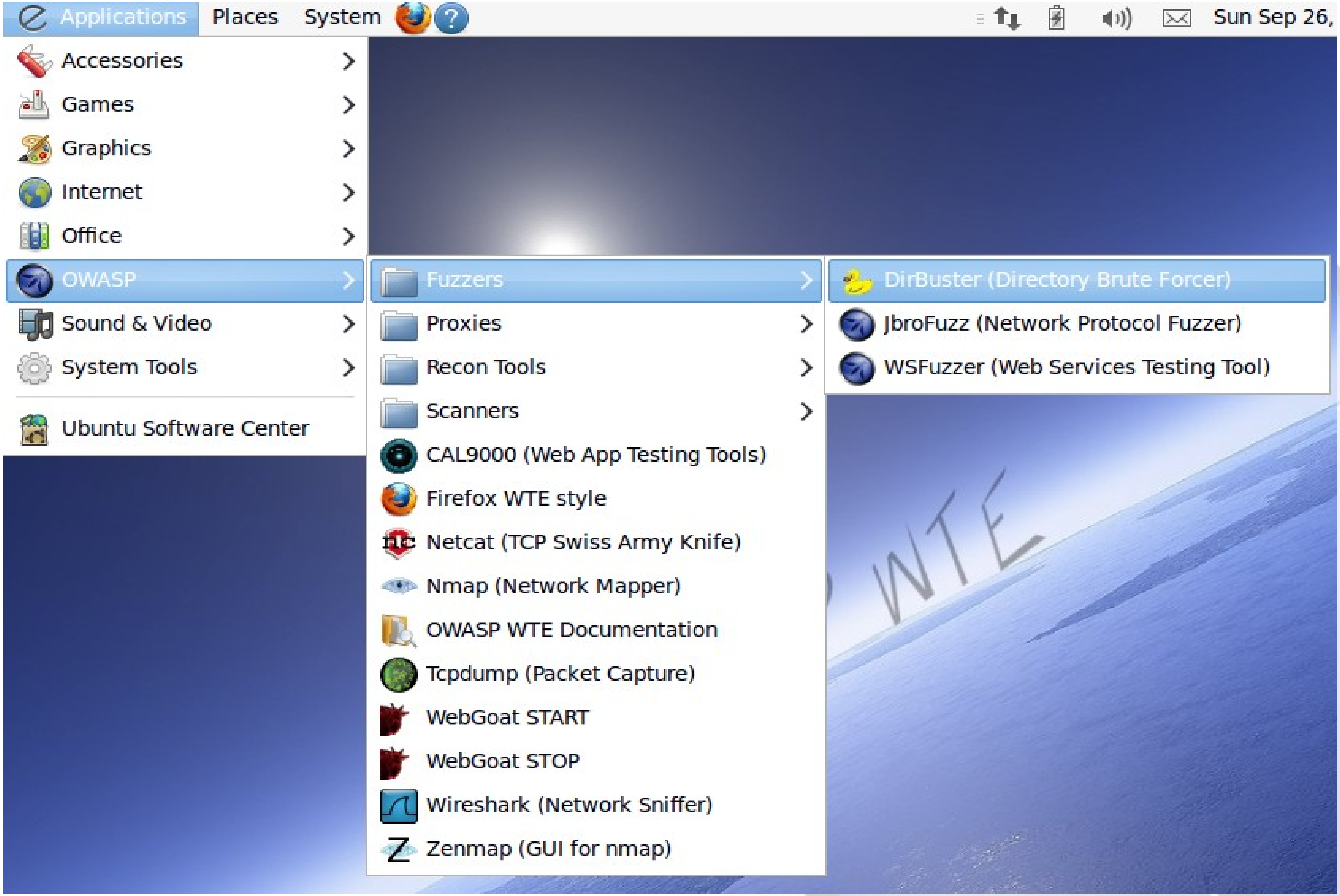
  Make application security tools and documentation readily available and easy to use

  - Compliment's OWASP goal to make app security visible

- Design goals
  - Easy for users to keep updated
  - Easy for project lead to keep updated
  - Easy to produce releases (more on this later)
  - Focused just on application security – not general pen testing

What's on WTE


WTE AppSec US 2010 [Running]
Applications
Places
System
Sun Sep 26, 11:48 PM
owasp
OWASP WTE
Left ⌘


Applications
Places
System
Sun Sep 26,
Accessories
Games
Graphics
Internet
Office
OWASP
Sound & Video
System Tools
Ubuntu Software Center
Fuzzers
Proxies
Recon Tools
Scanners
CAL9000 (Web App Testing Tools)
Firefox WTE style
Netcat (TCP Swiss Army Knife)
Nmap (Network Mapper)
OWASP WTE Documentation
Tcpdump (Packet Capture)
WebGoat START
WebGoat STOP
Wireshark (Network Sniffer)
Zenmap (GUI for nmap)
DirBuster (Directory Brute Forcer)
JbroFuzz (Network Protocol Fuzzer)
WSFuzzer (Web Services Testing Tool)
WTE

29 “Significant” Tools Available

OWASP Tools:

Web Scarab

a tool for performing all types of security testing on web apps and web services

Web Goat

an online training environment for hands-on learning about app sec

CAL9000

a collection of web app sec testing tools especially encoding/decoding

JBroFuzz

a web application fuzzer for requests being made over HTTP and/or HTTPS.

EnDe

An amazing collection of encoding and decoding tools as well as many other utilities

WSFuzzer

a fuzzer with HTTP based SOAP services as its main target

Wapiti

audits the security of web apps by performing "black-box" scans

DirBuster

a multi threaded Java app to brute force directory and file names

WebSlayer

A tool designed for brute-forcing web applications such as resource discovery, GET and POST fuzzing, etc

ZAP Proxy

A fork of the popular but moribund Paros Proxy

Other Proxies:

Burp Suite

Paros

Spike Proxy

Rat Proxy

Scanners:

w3af

Grendel Scan

Nikto

nmap

Zenmap

Fierce Domain Scanner

SQL-i:

sqlmap

SQL Brute

Duh:

Firefox

Others:

Metasploit

Httprint

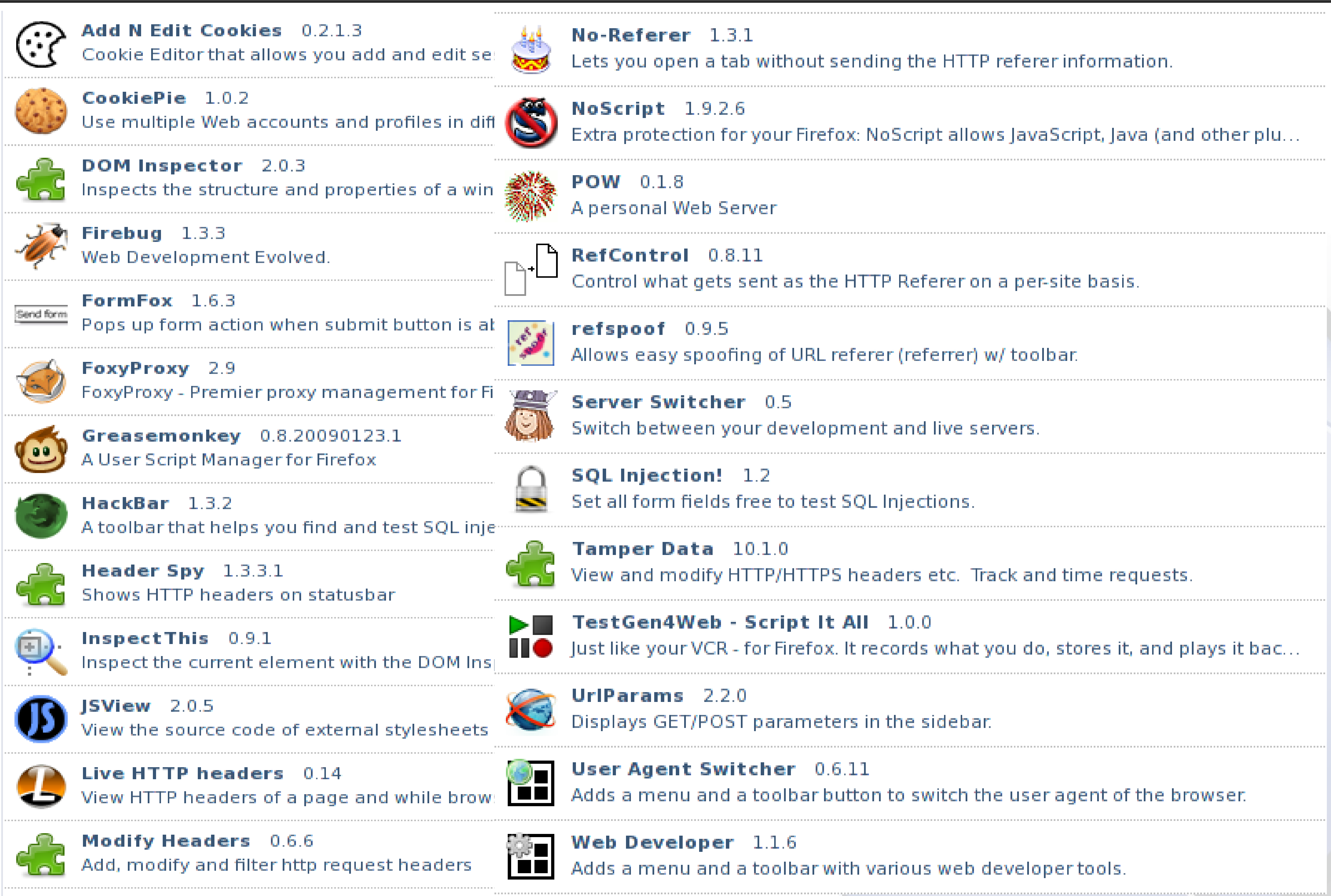
Maltego CE

netcat

Wireshark

tcpdump

Why is it different?



Add N Edit Cookies 0.2.1.3
Cookie Editor that allows you add and edit se

CookiePie 1.0.2
Use multiple Web accounts and profiles in diff

DOM Inspector 2.0.3
Inspects the structure and properties of a win

Firebug 1.3.3
Web Development Evolved.

FormFox 1.6.3
Pops up form action when submit button is al

FoxyProxy 2.9
FoxyProxy - Premier proxy management for Fi

Greasemonkey 0.8.20090123.1
A User Script Manager for Firefox

HackBar 1.3.2
A toolbar that helps you find and test SQL inje

Header Spy 1.3.3.1
Shows HTTP headers on statusbar

InspectThis 0.9.1
Inspect the current element with the DOM Ins

JSView 2.0.5
View the source code of external stylesheets

Live HTTP headers 0.14
View HTTP headers of a page and while brow

Modify Headers 0.6.6
Add, modify and filter http request headers

No-Referer 1.3.1
Lets you open a tab without sending the HTTP referer information.

NoScript 1.9.2.6
Extra protection for your Firefox: NoScript allows JavaScript, Java (and other plu...

POW 0.1.8
A personal Web Server

RefControl 0.8.11
Control what gets sent as the HTTP Referer on a per-site basis.

refspoof 0.9.5
Allows easy spoofing of URL referer (referrer) w/ toolbar.

Server Switcher 0.5
Switch between your development and live servers.

SQL Injection! 1.2
Set all form fields free to test SQL Injections.

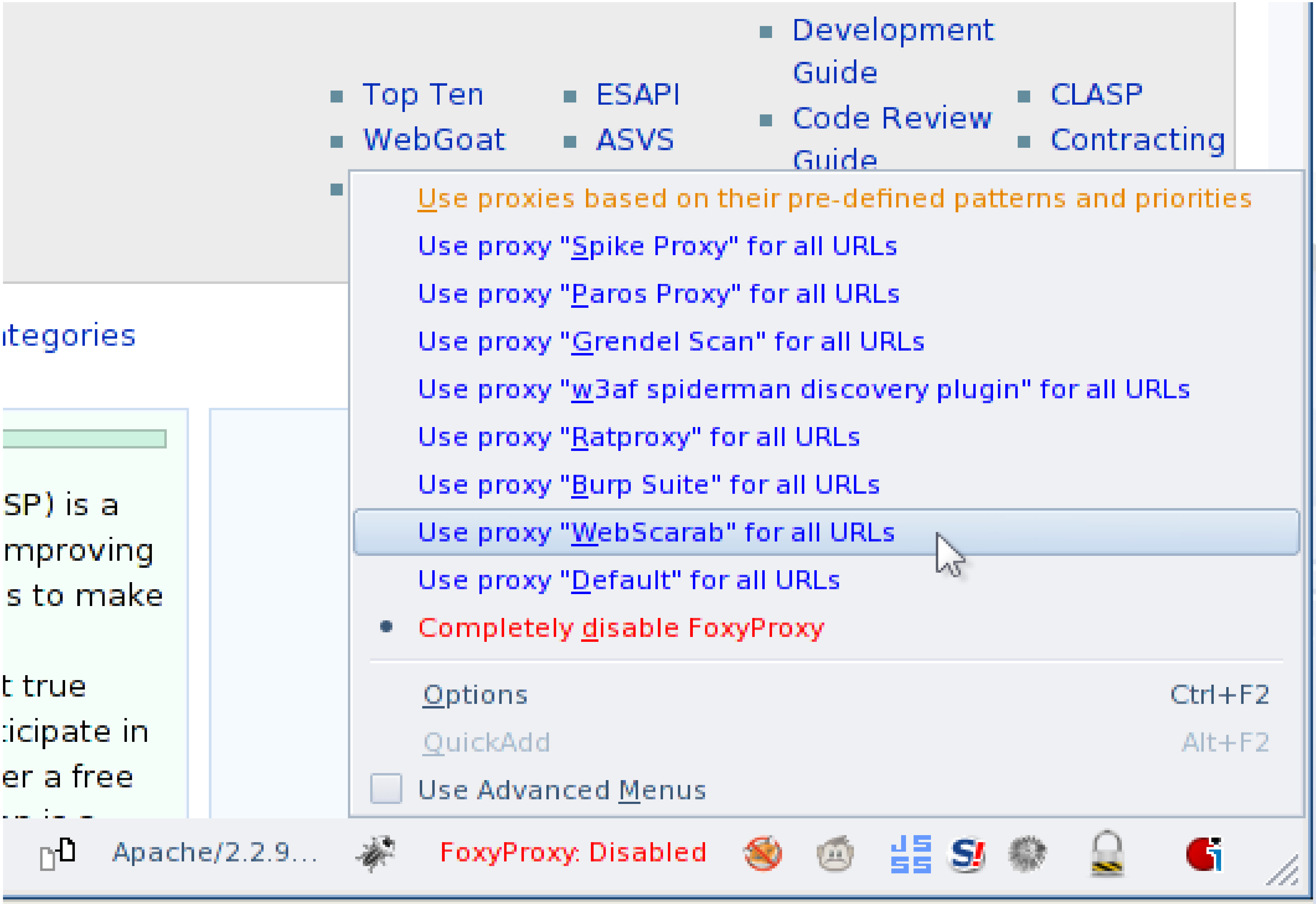
Tamper Data 10.1.0
View and modify HTTP/HTTPS headers etc. Track and time requests.

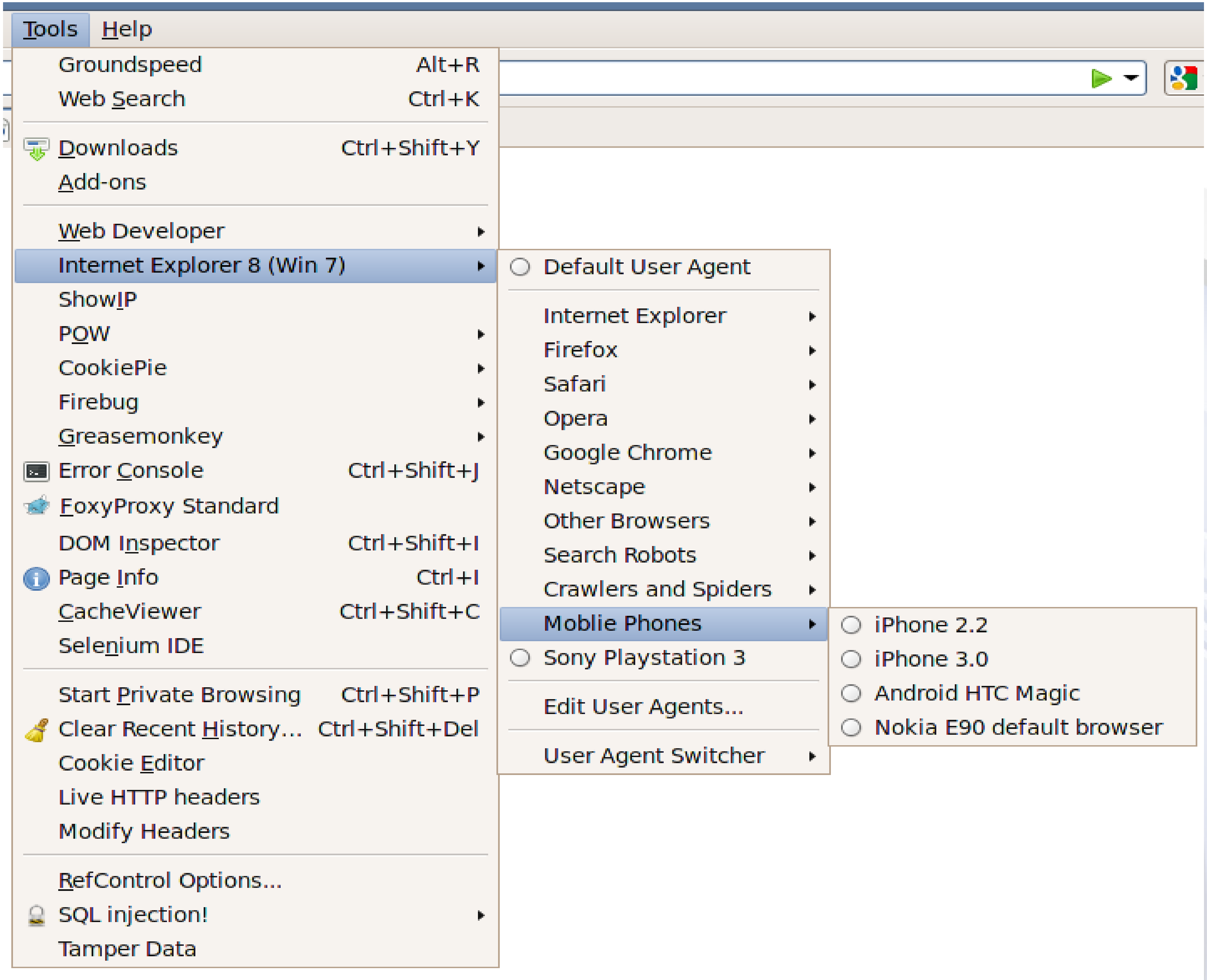
TestGen4Web - Script It All 1.0.0
Just like your VCR - for Firefox. It records what you do, stores it, and plays it bac...

UrlParams 2.2.0
Displays GET/POST parameters in the sidebar.

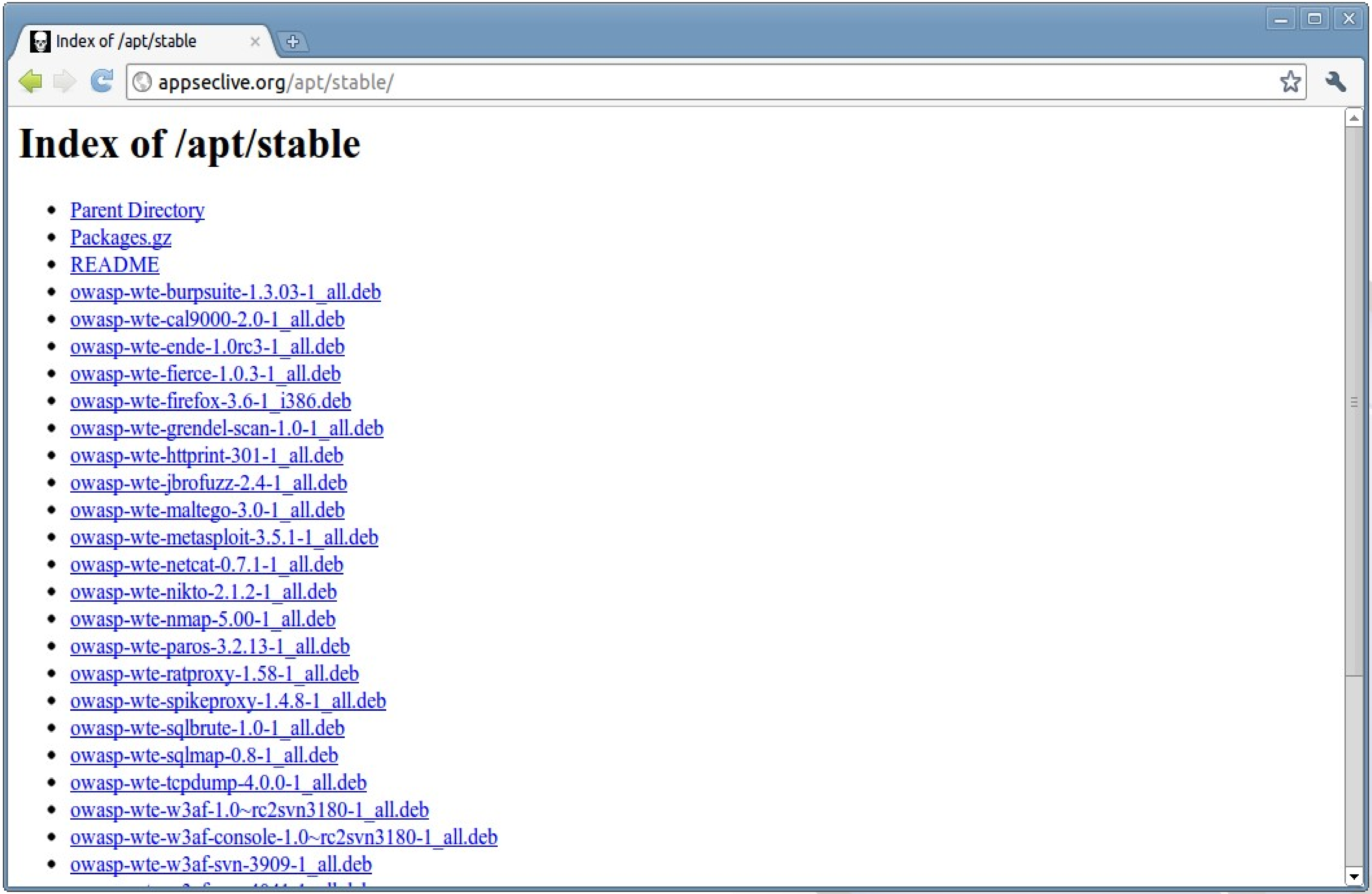
User Agent Switcher 0.6.11
Adds a menu and a toolbar button to switch the user agent of the browser.

Web Developer 1.1.6
Adds a menu and a toolbar with various web developer tools.


Top Ten
WebGoat
ESAPI
ASVS
Development Guide
Code Review Guide
CLASP
Contracting
Use proxies based on their pre-defined patterns and priorities
Use proxy "Spike Proxy" for all URLs
Use proxy "Paros Proxy" for all URLs
Use proxy "Grendel Scan" for all URLs
Use proxy "w3af spiderman discovery plugin" for all URLs
Use proxy "Ratproxy" for all URLs
Use proxy "Burp Suite" for all URLs
Use proxy "WebScarab" for all URLs
Use proxy "Default" for all URLs
● Completely disable FoxyProxy
Options Ctrl+F2
QuickAdd Alt+F2
□ Use Advanced Menus
Apache/2.2.9...
FoxyProxy: Disabled

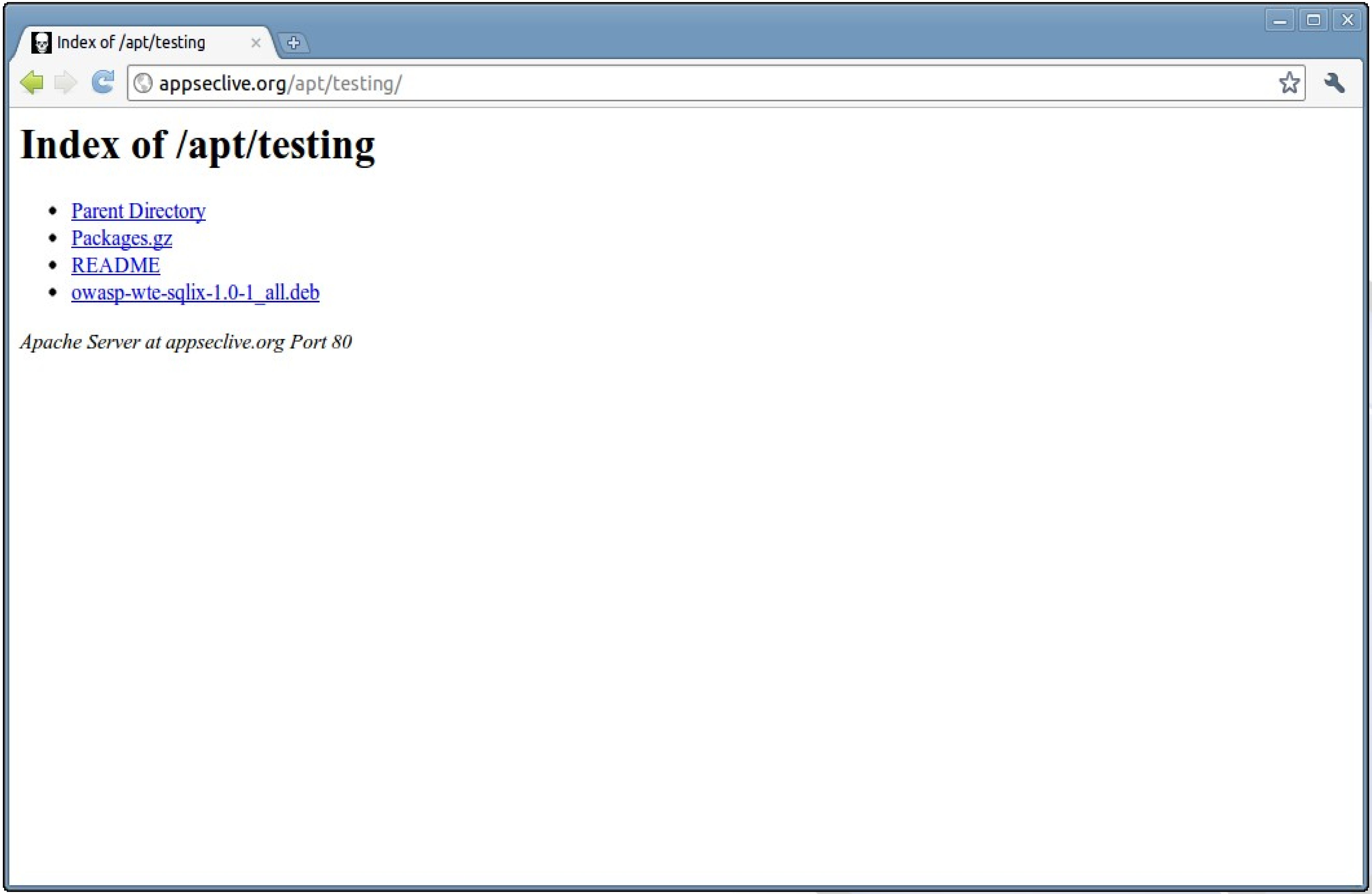

Tools
Help
Groundspeed Alt+R
Web Search Ctrl+K
Downloads Ctrl+Shift+Y
Add-ons
Web Developer
Internet Explorer 8 (Win 7)
ShowIP
POW
CookiePie
Firebug
Greasemonkey
Error Console Ctrl+Shift+J
FoxyProxy Standard
DOM Inspector Ctrl+Shift+I
Page Info Ctrl+I
CacheViewer Ctrl+Shift+C
Selenium IDE
Start Private Browsing Ctrl+Shift+P
Clear Recent History… Ctrl+Shift+Del
Cookie Editor
Live HTTP headers
Modify Headers
RefControl Options...
SQL injection!
Tamper Data
○ Default User Agent
Internet Explorer
Firefox
Safari
Opera
Google Chrome
Netscape
Other Browsers
Search Robots
Crawlers and Spiders
Moblie Phones
○ Sony Playstation 3
Edit User Agents...
User Agent Switcher
○ iPhone 2.2
○ iPhone 3.0
○ Android HTC Magic
○ Nokia E90 default browser

- OWASP Documents
  - Testing Guide v2 & v3
  - CLASP and OpenSamm
  - Top 10 for 2010
  - Top 10 for Java Enterprise Edition
  - AppSec FAQ
  - Books – tried to get all of them
    - CLASP, Top 10 2010, Top 10 + Testing + Legal, WebGoat and Web Scarab, Guide 2.0, Code Review
- Others
  - WASC Threat Classification, OSTTMM 3.0 & 2.2



Index of /apt/stable

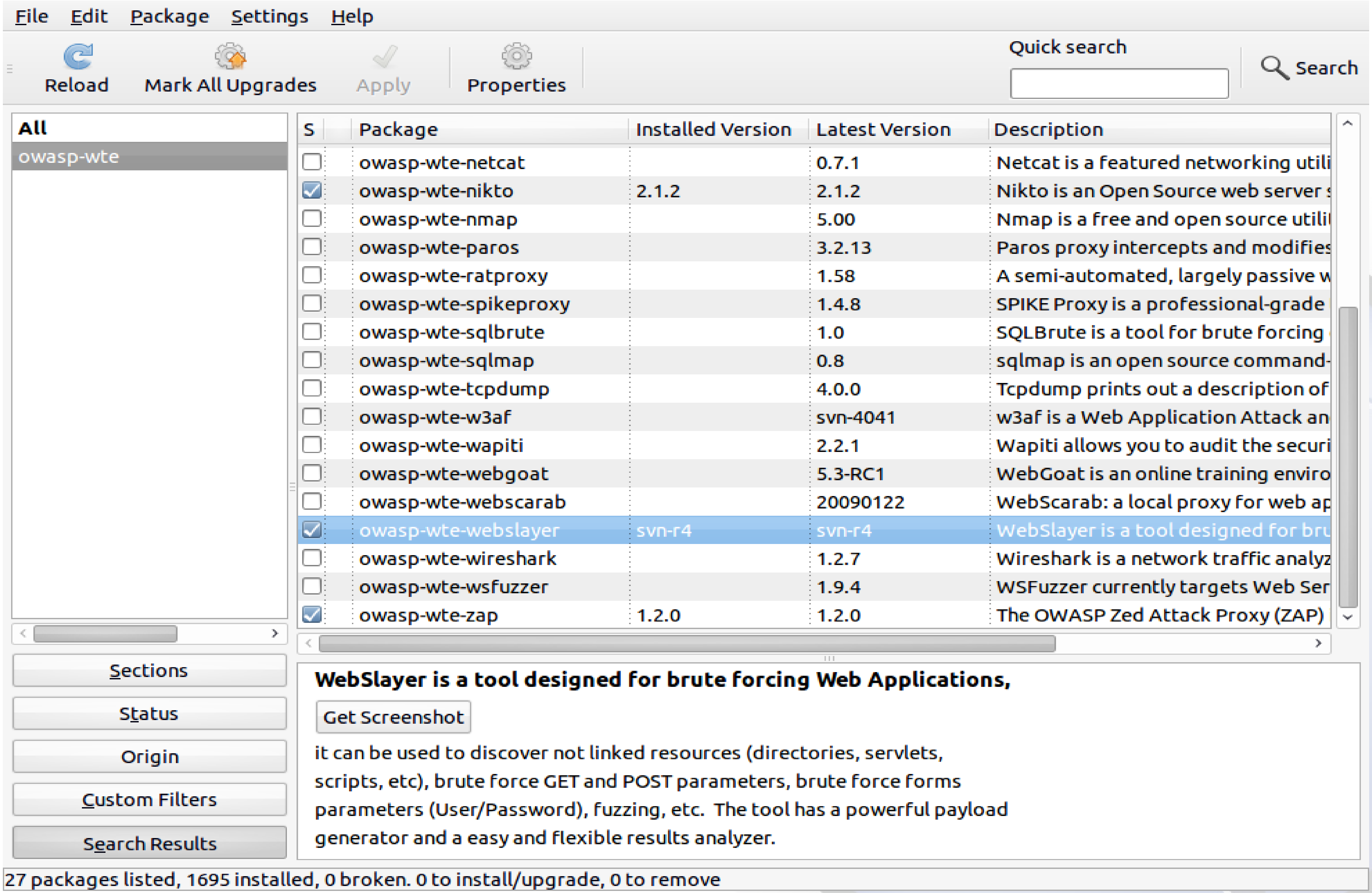
- Parent Directory
- Packages.gz
- README
- owasp-wte-burpsuite-1.3.03-1_all.deb
- owasp-wte-cal9000-2.0-1_all.deb
- owasp-wte-ende-1.0rc3-1_all.deb
- owasp-wte-fierce-1.0.3-1_all.deb
- owasp-wte-firefox-3.6-1_i386.deb
- owasp-wte-grendel-scan-1.0-1_all.deb
- owasp-wte-httprint-301-1_all.deb
- owasp-wte-jbrofuzz-2.4-1_all.deb
- owasp-wte-maltego-3.0-1_all.deb
- owasp-wte-metasploit-3.5.1-1_all.deb
- owasp-wte-netcat-0.7.1-1_all.deb
- owasp-wte-nikto-2.1.2-1_all.deb
- owasp-wte-nmap-5.00-1_all.deb
- owasp-wte-paros-3.2.13-1_all.deb
- owasp-wte-ratproxy-1.58-1_all.deb
- owasp-wte-spikeproxy-1.4.8-1_all.deb
- owasp-wte-sqlbrute-1.0-1_all.deb
- owasp-wte-sqlmap-0.8-1_all.deb
- owasp-wte-tcpdump-4.0.0-1_all.deb
- owasp-wte-w3af-1.0~rc2svn3180-1_all.deb
- owasp-wte-w3af-console-1.0~rc2svn3180-1_all.deb
- owasp-wte-w3af-svn-3909-1_all.deb



Index of /apt/testing

- Parent Directory
- Packages.gz
- README
- owasp-wte-sqlix-1.0-1_all.deb

Apache Server at appseclive.org Port 80

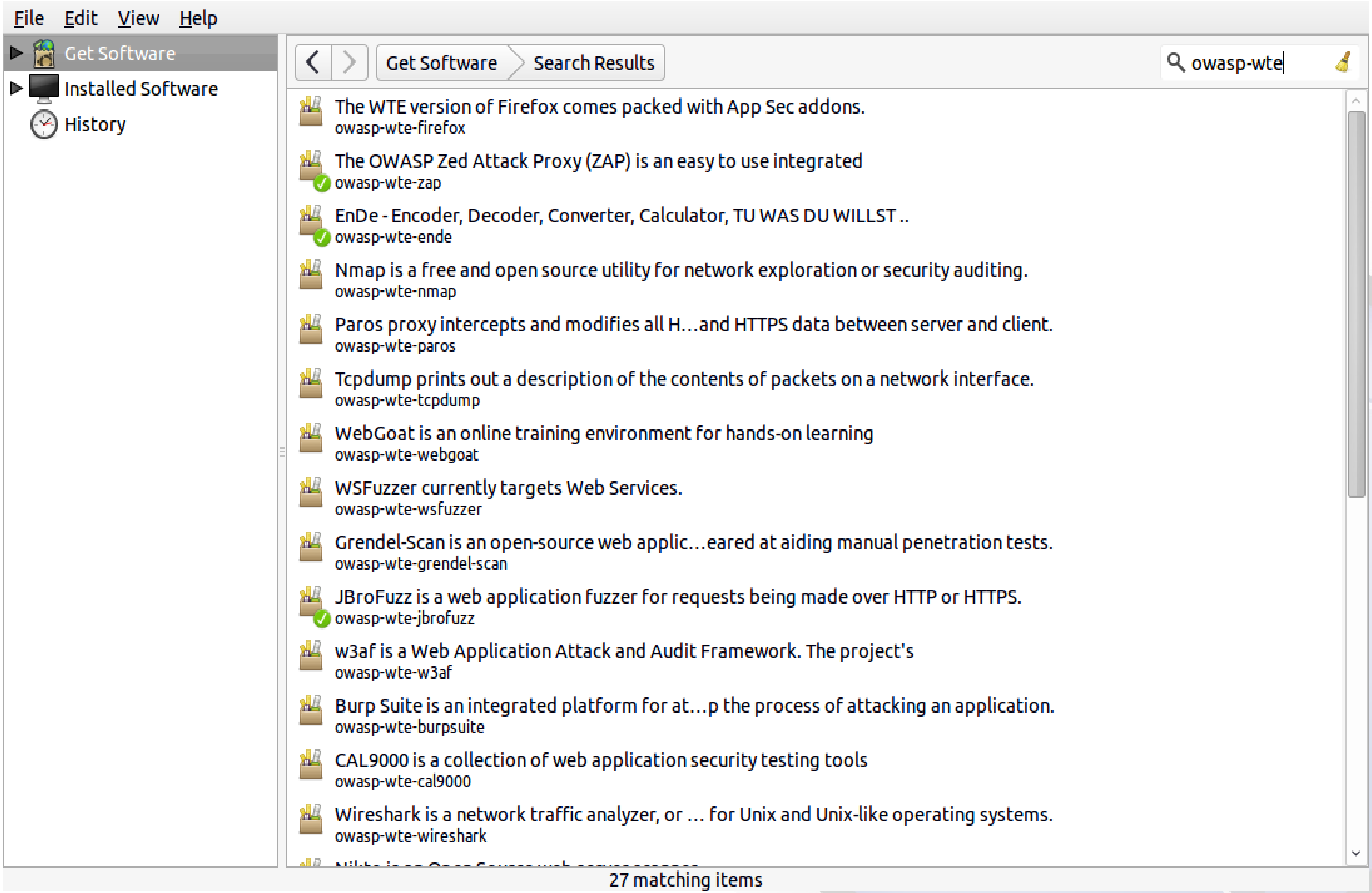


S	Package	Installed Version	Latest Version	Description
□	owasp-wte-netcat		0.7.1	Netcat is a featured networking utili
☑	owasp-wte-nikto	2.1.2	2.1.2	Nikto is an Open Source web server s
□	owasp-wte-nmap		5.00	Nmap is a free and open source utili
□	owasp-wte-paros		3.2.13	Paros proxy intercepts and modifies
□	owasp-wte-ratproxy		1.58	A semi-automated, largely passive w
□	owasp-wte-spikeproxy		1.4.8	SPIKE Proxy is a professional-grade
□	owasp-wte-sqlbrute		1.0	SQLBrute is a tool for brute forcing
□	owasp-wte-sqlmap		0.8	sqlmap is an open source command-
□	owasp-wte-tcpdump		4.0.0	Tcpdump prints out a description of
□	owasp-wte-w3af		svn-4041	w3af is a Web Application Attack an
□	owasp-wte-wapiti		2.2.1	Wapiti allows you to audit the securi
□	owasp-wte-webgoat		5.3-RC1	WebGoat is an online training enviro
□	owasp-wte-webscarab		20090122	WebScarab: a local proxy for web ap
☑	owasp-wte-webslayer	svn-r4	svn-r4	WebSlayer is a tool designed for bru
□	owasp-wte-wireshark		1.2.7	Wireshark is a network traffic analyz
□	owasp-wte-wsfuzzer		1.9.4	WSFuzzer currently targets Web Ser
☑	owasp-wte-zap	1.2.0	1.2.0	The OWASP Zed Attack Proxy (ZAP)

WebSlayer is a tool designed for brute forcing Web Applications,

it can be used to discover not linked resources (directories, servlets, scripts, etc), brute force GET and POST parameters, brute force forms parameters (User/Password), fuzzing, etc. The tool has a powerful payload generator and a easy and flexible results analyzer.

27 packages listed, 1695 installed, 0 broken. 0 to install/upgrade, 0 to remove



The WTE version of Firefox comes packed with App Sec addons.
owasp-wte-firefox

The OWASP Zed Attack Proxy (ZAP) is an easy to use integrated
owasp-wte-zap

EnDe - Encoder, Decoder, Converter, Calculator, TU WAS DU WILLST ..
owasp-wte-ende

Nmap is a free and open source utility for network exploration or security auditing.
owasp-wte-nmap

Paros proxy intercepts and modifies all H…and HTTPS data between server and client.
owasp-wte-paros

Tcpdump prints out a description of the contents of packets on a network interface.
owasp-wte-tcpdump

WebGoat is an online training environment for hands-on learning
owasp-wte-webgoat

WSFuzzer currently targets Web Services.
owasp-wte-wsfuzzer

Grendel-Scan is an open-source web applic…eared at aiding manual penetration tests.
owasp-wte-grendel-scan

JBroFuzz is a web application fuzzer for requests being made over HTTP or HTTPS.
owasp-wte-jbrofuzz

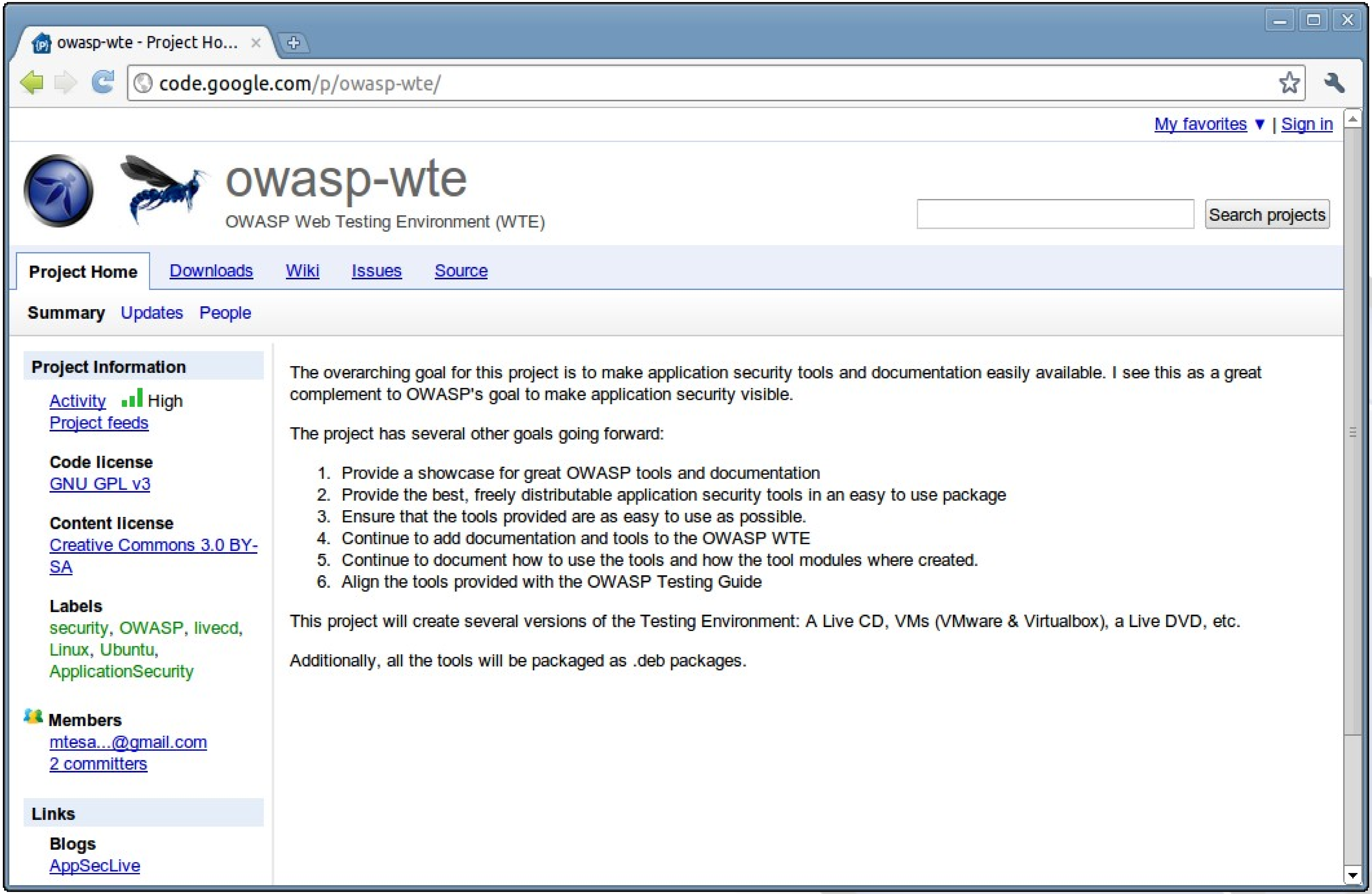
w3af is a Web Application Attack and Audit Framework. The project's
owasp-wte-w3af

Burp Suite is an integrated platform for at…p the process of attacking an application.
owasp-wte-burpsuite

CAL9000 is a collection of web application security testing tools
owasp-wte-cal9000

Wireshark is a network traffic analyzer, or … for Unix and Unix-like operating systems.
owasp-wte-wireshark

27 matching items



owasp-wte

OWASP Web Testing Environment (WTE)

Project Information

Activity High
Project feeds

Code license
GNU GPL v3

Content license
Creative Commons 3.0 BY-SA

Labels
security, OWASP, livecd, Linux, Ubuntu, ApplicationSecurity

Members
mtesa...@gmail.com
2 committers

Links

Blogs
AppSecLive

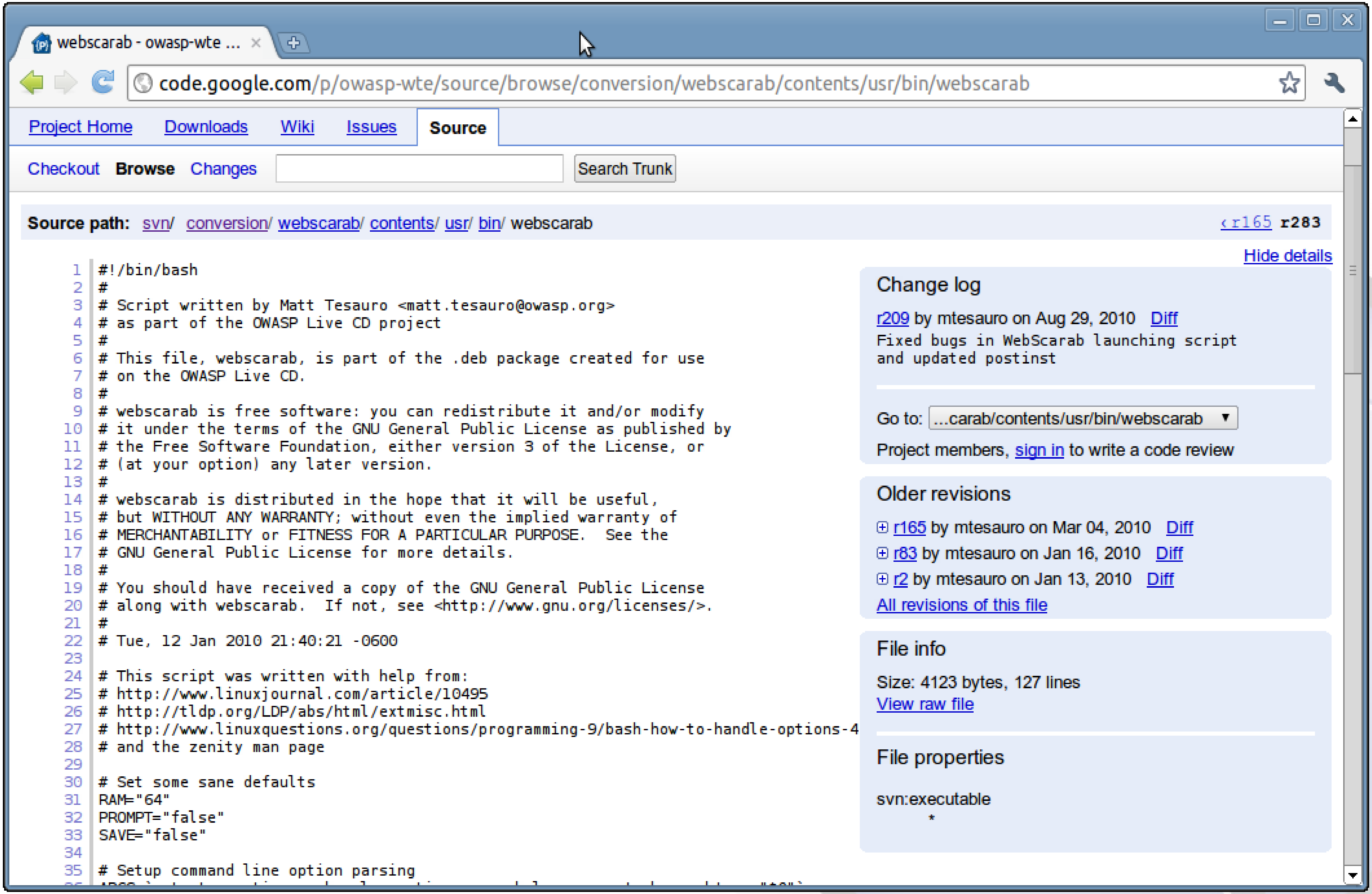
The overarching goal for this project is to make application security tools and documentation easily available. I see this as a great complement to OWASP's goal to make application security visible.

The project has several other goals going forward:

1. Provide a showcase for great OWASP tools and documentation
2. Provide the best, freely distributable application security tools in an easy to use package
3. Ensure that the tools provided are as easy to use as possible.
4. Continue to add documentation and tools to the OWASP WTE
5. Continue to document how to use the tools and how the tool modules where created.
6. Align the tools provided with the OWASP Testing Guide

This project will create several versions of the Testing Environment: A Live CD, VMs (VMware & Virtualbox), a Live DVD, etc.

Additionally, all the tools will be packaged as .deb packages.


webscarab - owasp-wte ...
code.google.com/p/owasp-wte/source/browse/conversion/webscarab/contents/usr/bin/webscarab
Project Home
Downloads
Wiki
Issues
Source
Checkout
Browse
Changes
Search Trunk

Source path: svn/ conversion/ webscarab/ contents/ usr/ bin/ webscarab ‹r165 **r283**

```
#!/bin/bash
#
# Script written by Matt Tesauro <matt.tesauro@owasp.org>
# as part of the OWASP Live CD project
#
# This file, webscarab, is part of the .deb package created for use
# on the OWASP Live CD.
#
# webscarab is free software: you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation, either version 3 of the License, or
# (at your option) any later version.
#
# webscarab is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
# GNU General Public License for more details.
#
# You should have received a copy of the GNU General Public License
# along with webscarab.  If not, see <http://www.gnu.org/licenses/>.
#
# Tue, 12 Jan 2010 21:40:21 -0600

# This script was written with help from:
# http://www.linuxjournal.com/article/10495
# http://tldp.org/LDP/abs/html/extmisc.html
# http://www.linuxquestions.org/questions/programming-9/bash-how-to-handle-options-4
# and the zenity man page

# Set some sane defaults
RAM="64"
PROMPT="false"
SAVE="false"

# Setup command line option parsing
```

Hide details

Change log

r209 by mtesauro on Aug 29, 2010 Diff

Fixed bugs in WebScarab launching script
and updated postinst

Go to: ...carab/contents/usr/bin/webscarab ▼

Project members, sign in to write a code review

Older revisions

⊞ r165 by mtesauro on Mar 04, 2010 Diff

⊞ r83 by mtesauro on Jan 16, 2010 Diff

⊞ r2 by mtesauro on Jan 13, 2010 Diff

All revisions of this file

File info

Size: 4123 bytes, 127 lines

View raw file

File properties

svn:executable
*

What is next?

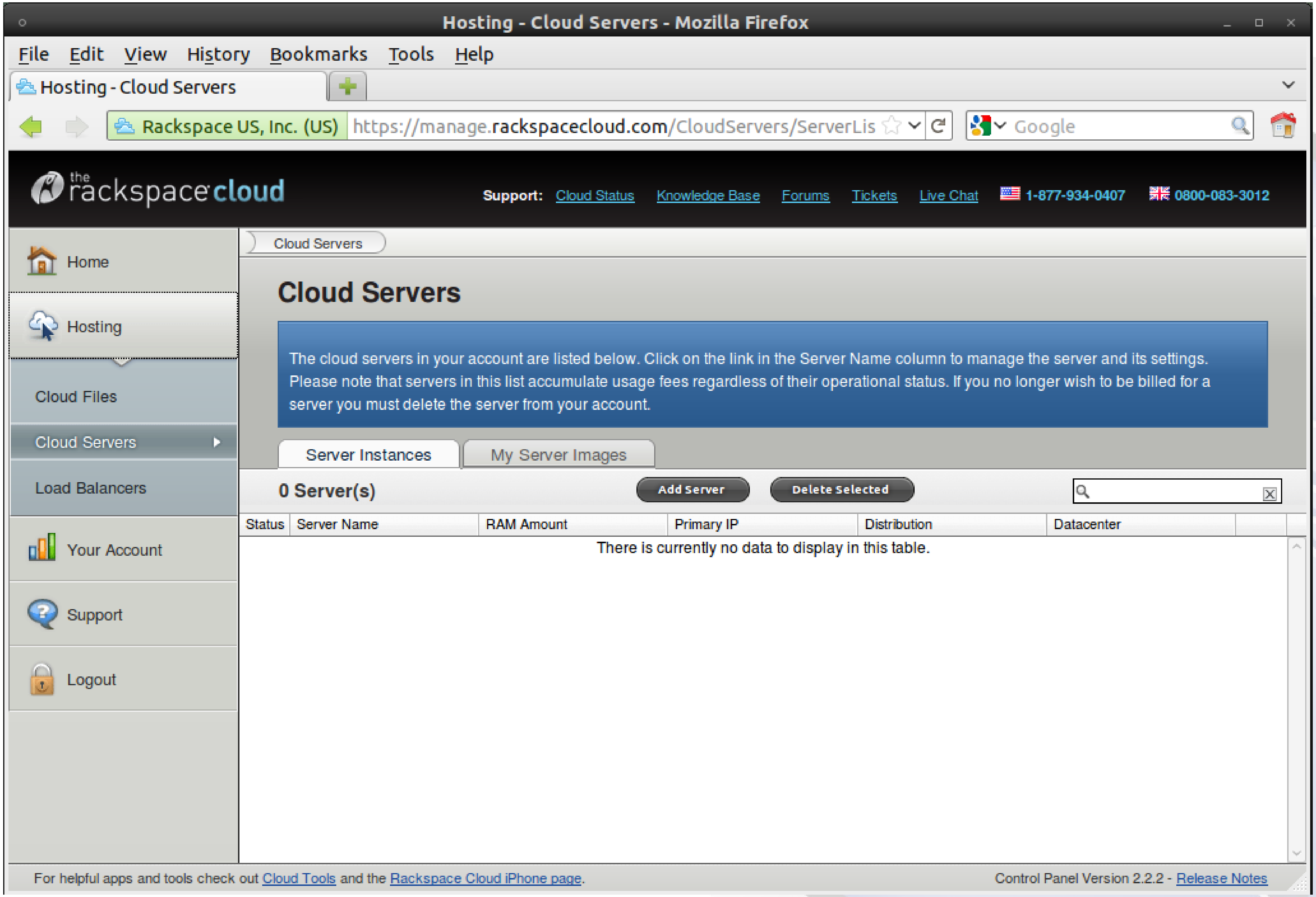
Cloud-ifying WTE

- Cloud Provider
- Ubuntu / Debian Install
- WTE Repository
- Fun ensues

WTE Cloud - The12 Step Program

- Currently this still mostly manual
- 12 steps to get a fully-functional WTE
- ~30 minutes until you are logged in

Step 1: Get a cloud account



https://manage.rackspacecloud.com/CloudServers/ServerLis

1-877-934-0407 0800-083-3012

Cloud Servers

The cloud servers in your account are listed below. Click on the link in the Server Name column to manage the server and its settings. Please note that servers in this list accumulate usage fees regardless of their operational status. If you no longer wish to be billed for a server you must delete the server from your account.

0 Server(s)

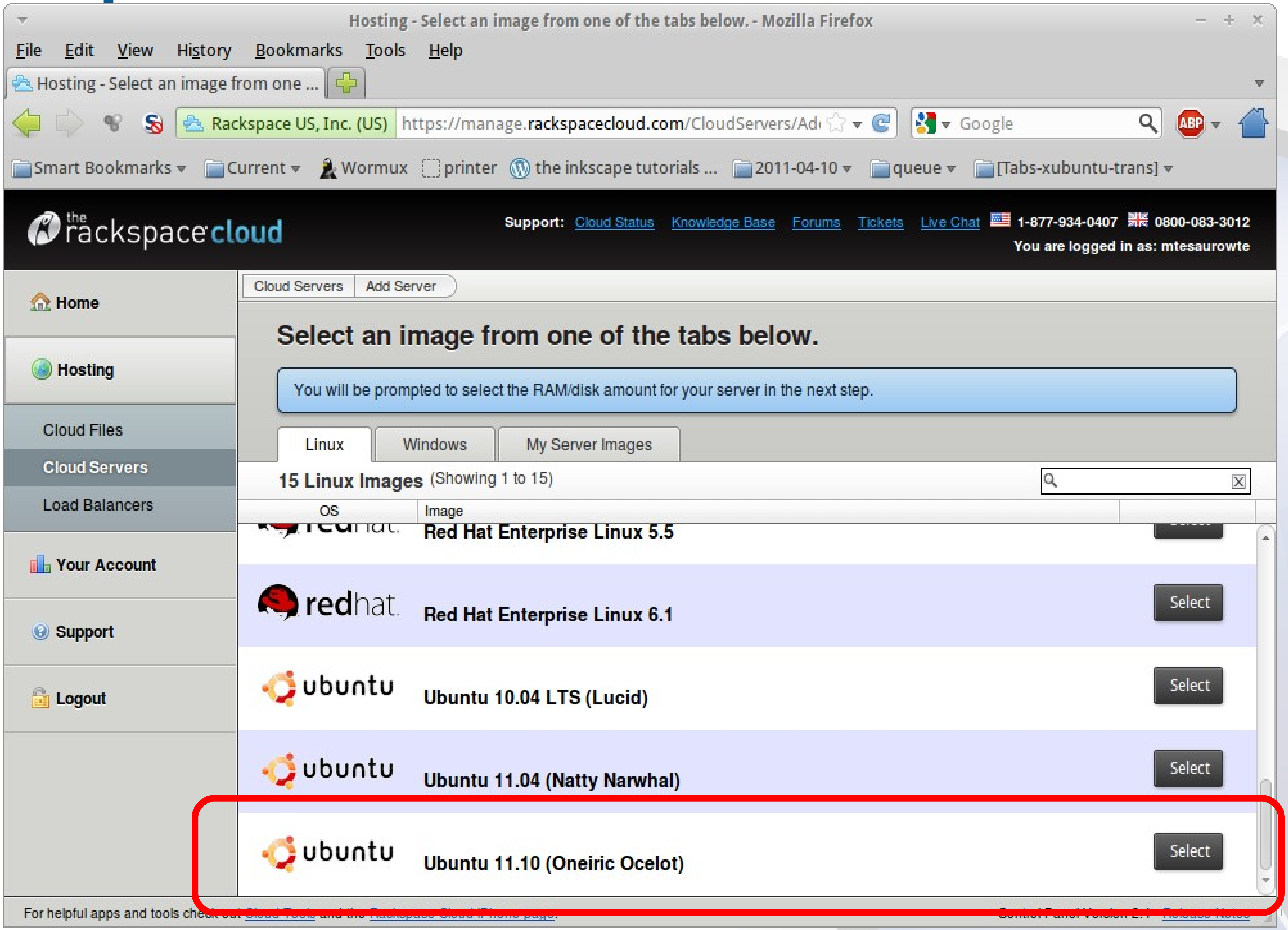
Status	Server Name	RAM Amount	Primary IP	Distribution	Datacenter

There is currently no data to display in this table.

For helpful apps and tools check out Cloud Tools and the Rackspace Cloud iPhone page.

Control Panel Version 2.2.2 - Release Notes

Step 2: Select Ubuntu/Debian



Hosting - Select an image from one of the tabs below. - Mozilla Firefox
File Edit View History Bookmarks Tools Help
Hosting - Select an image from one ...
Rackspace US, Inc. (US) https://manage.rackspacecloud.com/CloudServers/Ad
Google
Smart Bookmarks
Current
Wormux
printer
the inkscape tutorials ...
2011-04-10
queue
[Tabs-xubuntu-trans]
the rackspace cloud
Support: Cloud Status Knowledge Base Forums Tickets Live Chat 1-877-934-0407 0800-083-3012
You are logged in as: mtesaurowte
Home
Hosting
Cloud Files
Cloud Servers
Load Balancers
Your Account
Support
Logout
Cloud Servers
Add Server

Select an image from one of the tabs below.

You will be prompted to select the RAM/disk amount for your server in the next step.

Linux
Windows
My Server Images

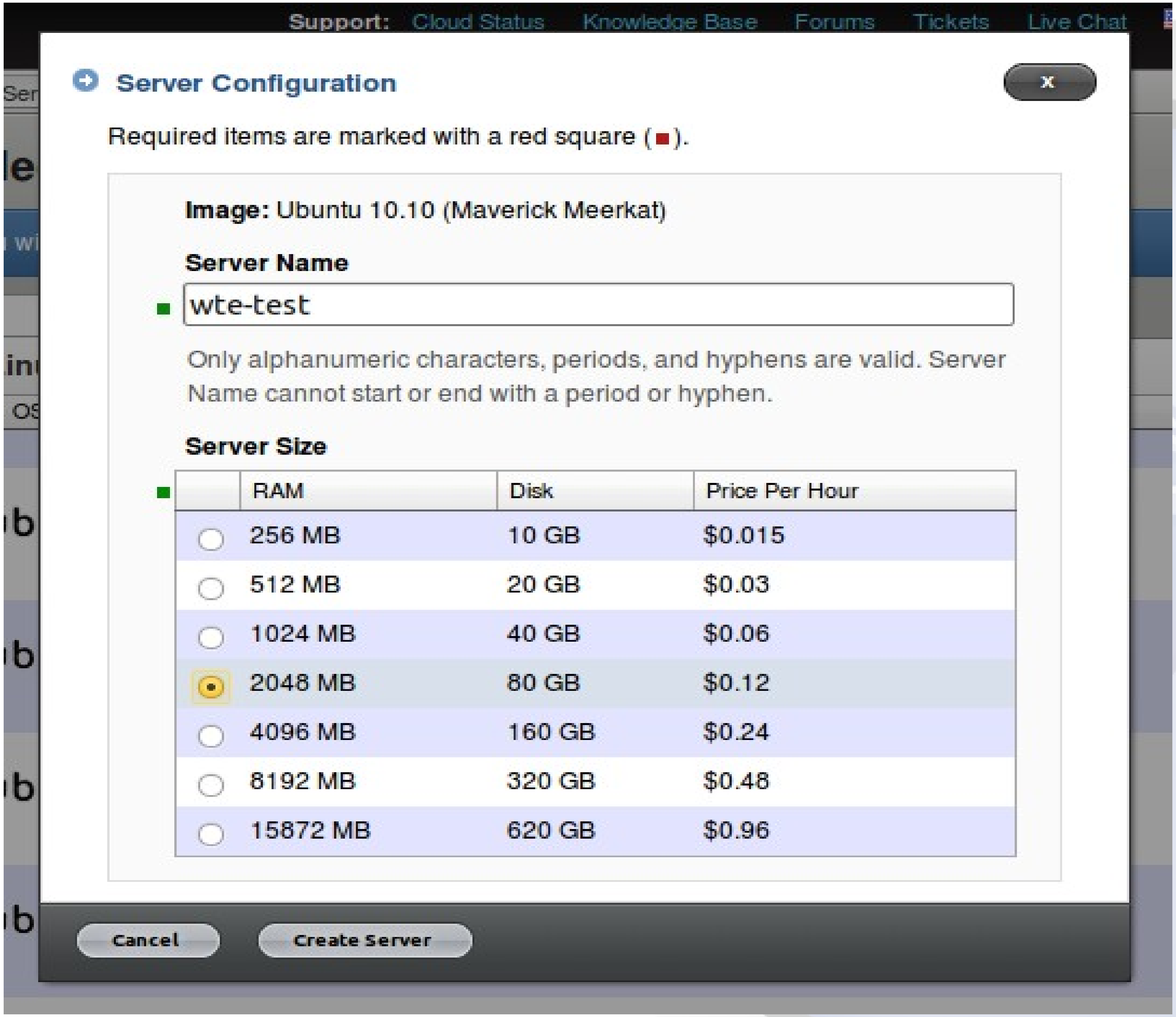
15 Linux Images (Showing 1 to 15)

OS	Image	
redhat	Red Hat Enterprise Linux 5.5	Select
redhat	Red Hat Enterprise Linux 6.1	Select
ubuntu	Ubuntu 10.04 LTS (Lucid)	Select
ubuntu	Ubuntu 11.04 (Natty Narwhal)	Select
ubuntu	Ubuntu 11.10 (Oneiric Ocelot)	Select

For helpful apps and tools check out Cloud Tools and the Rackspace Cloud iPhone page.

Control Panel Version 2.4 - Release Notes

Step 3: Choose Name & RAM



Support: Cloud Status Knowledge Base Forums Tickets Live Chat

Server Configuration

Required items are marked with a red square (🟥).

Image: Ubuntu 10.10 (Maverick Meerkat)

Server Name

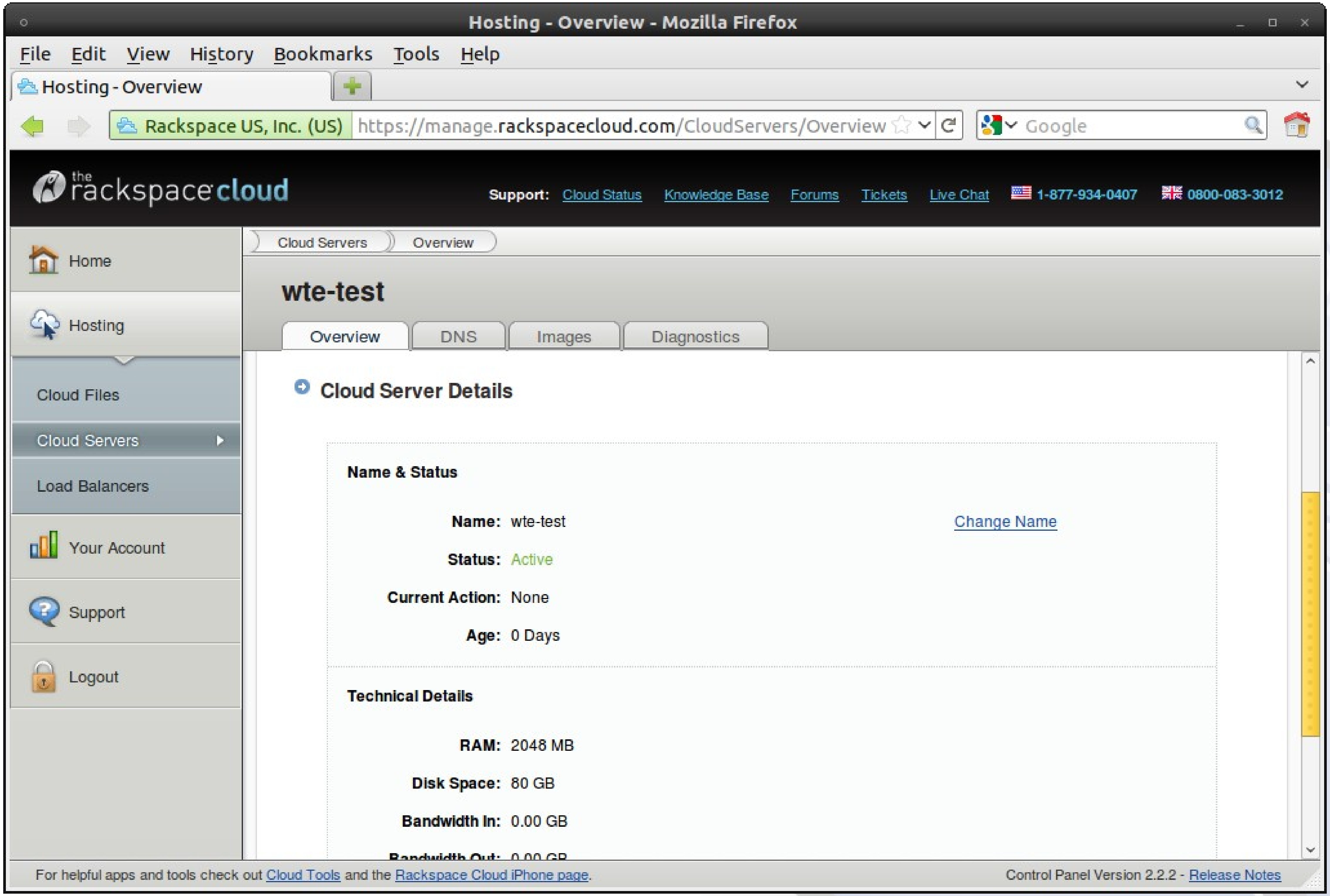
🟩 wte-test

Only alphanumeric characters, periods, and hyphens are valid. Server Name cannot start or end with a period or hyphen.

Server Size 🟩

	RAM	Disk	Price Per Hour
○	256 MB	10 GB	$0.015
○	512 MB	20 GB	$0.03
○	1024 MB	40 GB	$0.06
●	2048 MB	80 GB	$0.12
○	4096 MB	160 GB	$0.24
○	8192 MB	320 GB	$0.48
○	15872 MB	620 GB	$0.96

Step 4: Start your server



Hosting - Overview - Mozilla Firefox
File Edit View History Bookmarks Tools Help
Hosting - Overview
Rackspace US, Inc. (US) https://manage.rackspacecloud.com/CloudServers/Overview
Google
the rackspace cloud
Support: Cloud Status Knowledge Base Forums Tickets Live Chat 1-877-934-0407 0800-083-3012
Home
Hosting
Cloud Files
Cloud Servers
Load Balancers
Your Account
Support
Logout
Cloud Servers
Overview
Overview DNS Images Diagnostics
Change Name

wte-test

Cloud Server Details

Name & Status

Name: wte-test

Status: Active

Current Action: None

Age: 0 Days

Technical Details

RAM: 2048 MB

Disk Space: 80 GB

Bandwidth In: 0.00 GB

Bandwidth Out: 0.00 GB

For helpful apps and tools check out Cloud Tools and the Rackspace Cloud iPhone page.

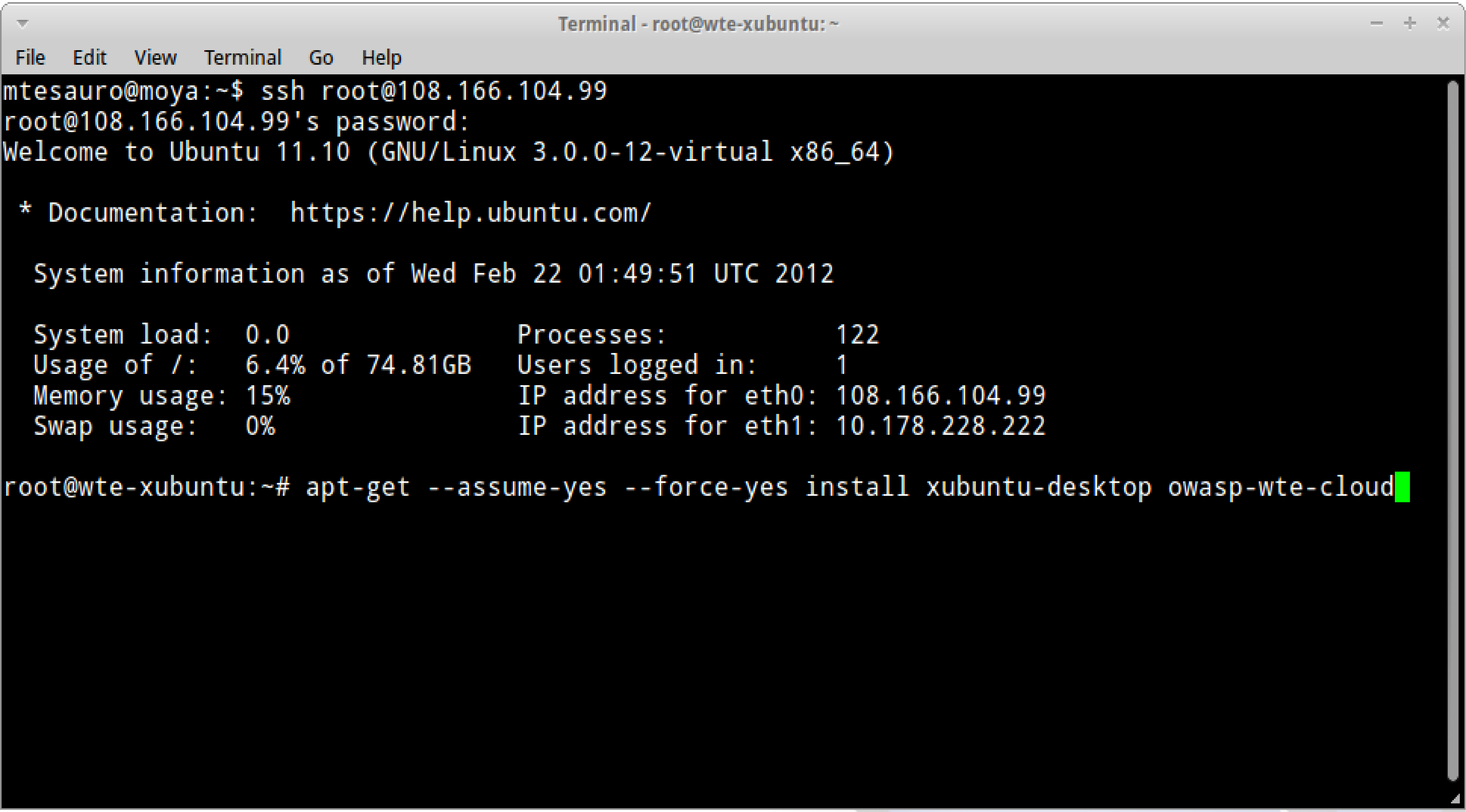
Control Panel Version 2.2.2 - Release Notes

Step 5: A bit of Prep

- ssh to your new Linux box
- Add Ubuntu partners and WTE repos & apt-get update

```
$ ssh root@50.57.234.97

root@wte-test:~# echo "deb http://archive.canonical.com/ubuntu maverick partner"
>> /etc/apt/sources.list

root@wte-test:~# echo "deb http://appseclive.org/apt/stable /" >>
/etc/apt/sources.list

root@wte-test:~# apt-get update
```

Step 6: Install Desktop + WTE



Terminal - root@wte-xubuntu: ~
File Edit View Terminal Go Help

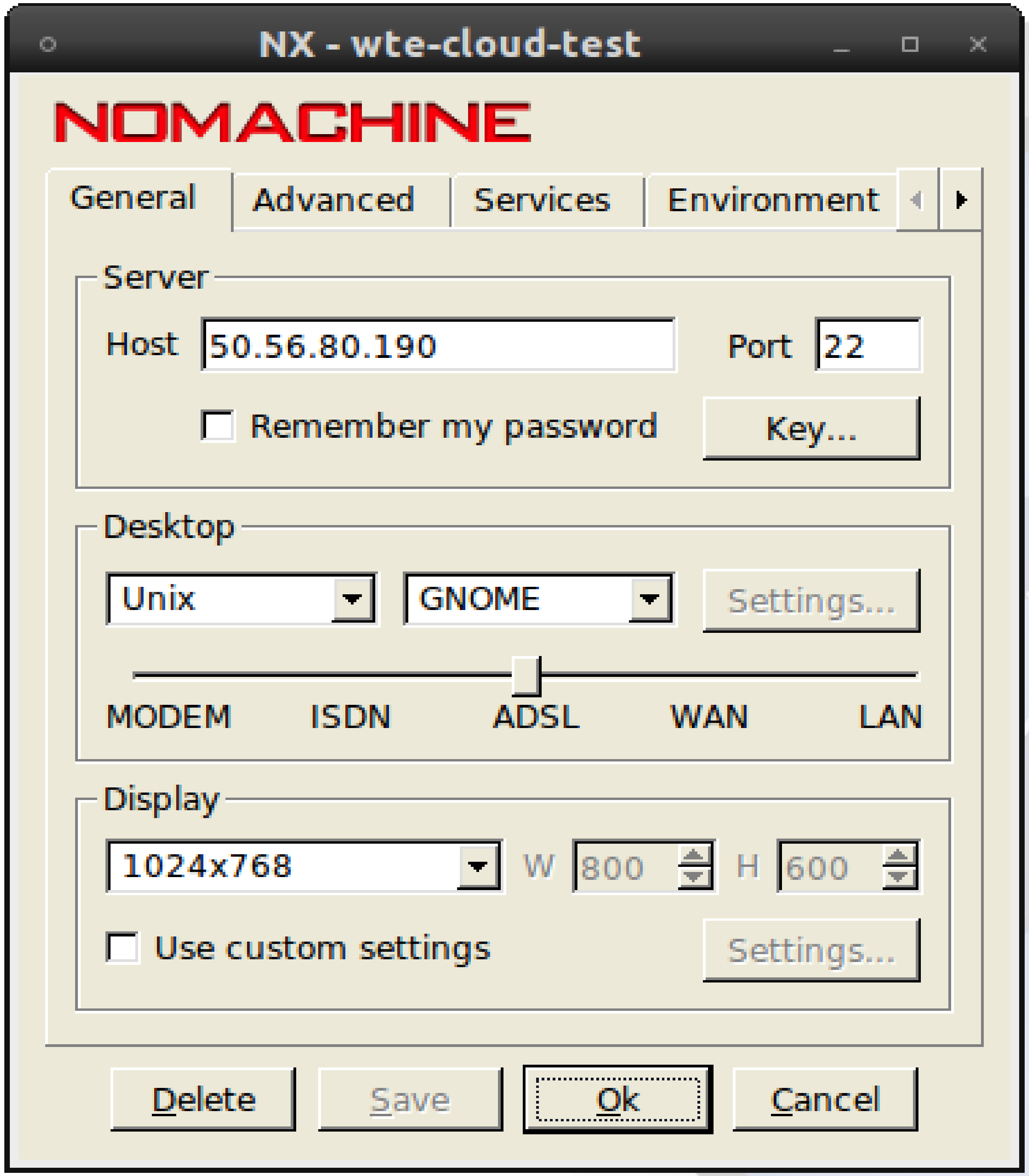
```
mtesauro@moya:~$ ssh root@108.166.104.99
root@108.166.104.99's password:
Welcome to Ubuntu 11.10 (GNU/Linux 3.0.0-12-virtual x86_64)

 * Documentation:  https://help.ubuntu.com/

  System information as of Wed Feb 22 01:49:51 UTC 2012

  System load:  0.0               Processes:           122
  Usage of /:   6.4% of 74.81GB   Users logged in:     1
  Memory usage: 15%               IP address for eth0: 108.166.104.99
  Swap usage:   0%                IP address for eth1: 10.178.228.222

root@wte-xubuntu:~# apt-get --assume-yes --force-yes install xubuntu-desktop owasp-wte-cloud
```

Step 7: Finish things off...

- Add a NX Server
  ppa:freenx-team (plus a fix)
  ~ or ~
  No Machine NX server (free or $)
- Add OWASP user
- Start lightdm (graphical login)

```
# useradd --comment "OWASP WTE" --create-home owasp
# echo -e "owasp\nowasp" | passwd owasp
# service lightdm start
```

Step 8: NX Client setup



NX - wte-cloud-test

Server

Host 50.56.80.190 Port 22

□ Remember my password

Desktop

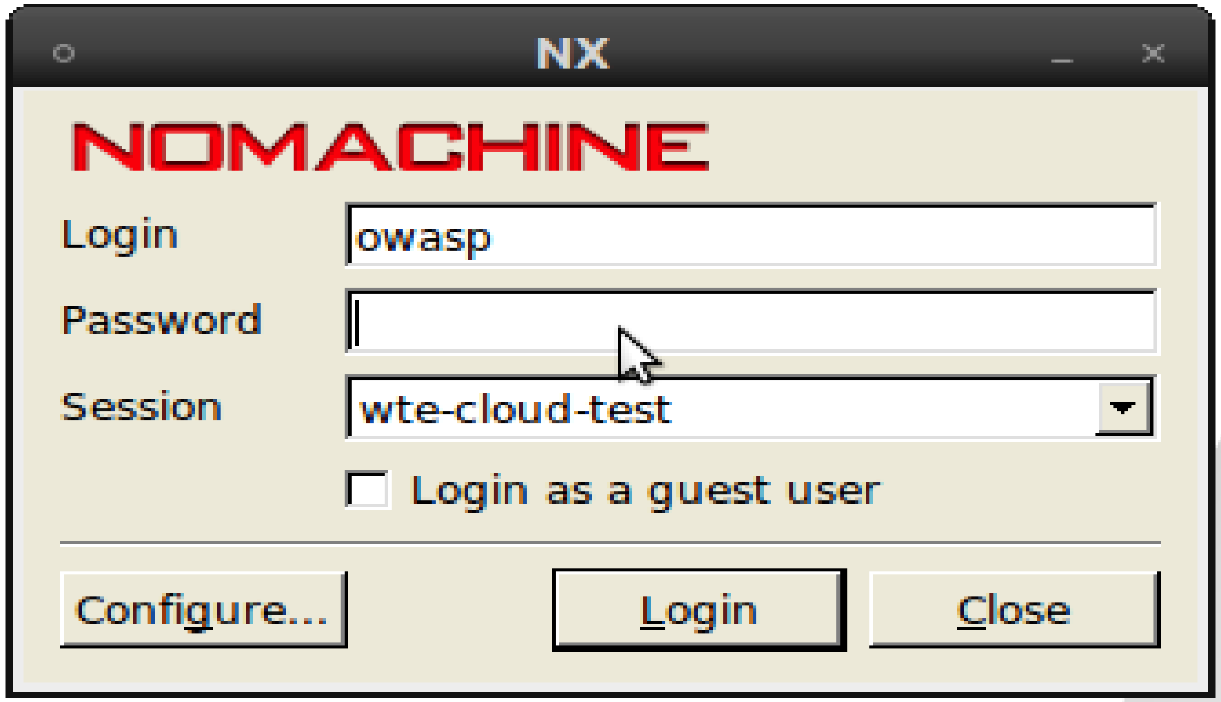
Unix GNOME

Display

1024x768 W 800 H 600

□ Use custom settings

Step 8: Connect to WTE



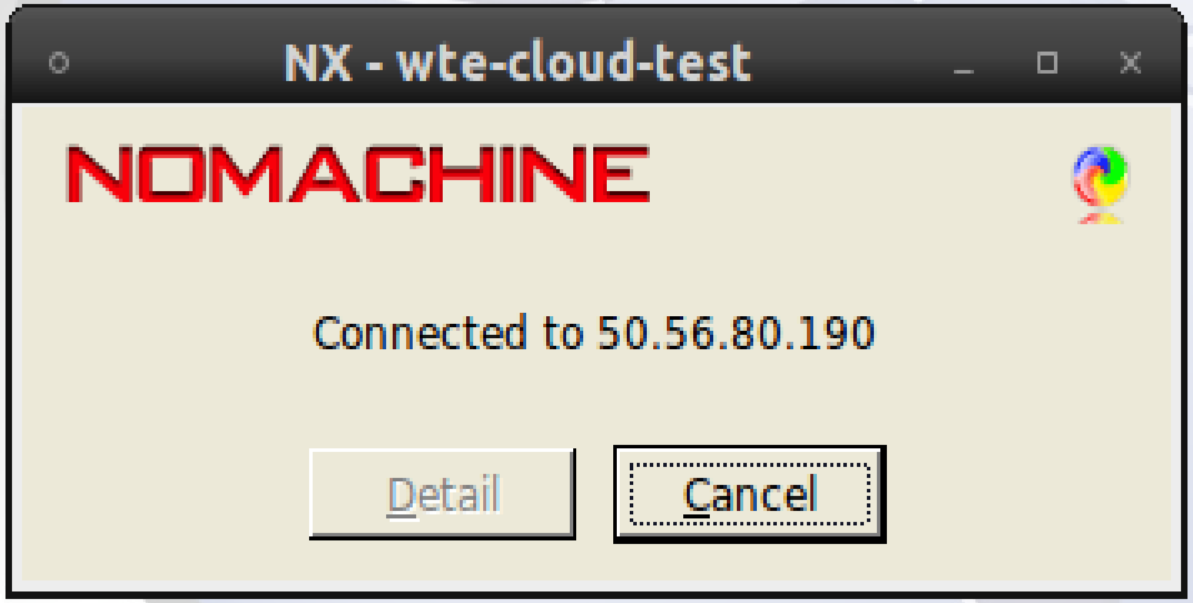
NX

Login: owasp

Password:

Session: wte-cloud-test

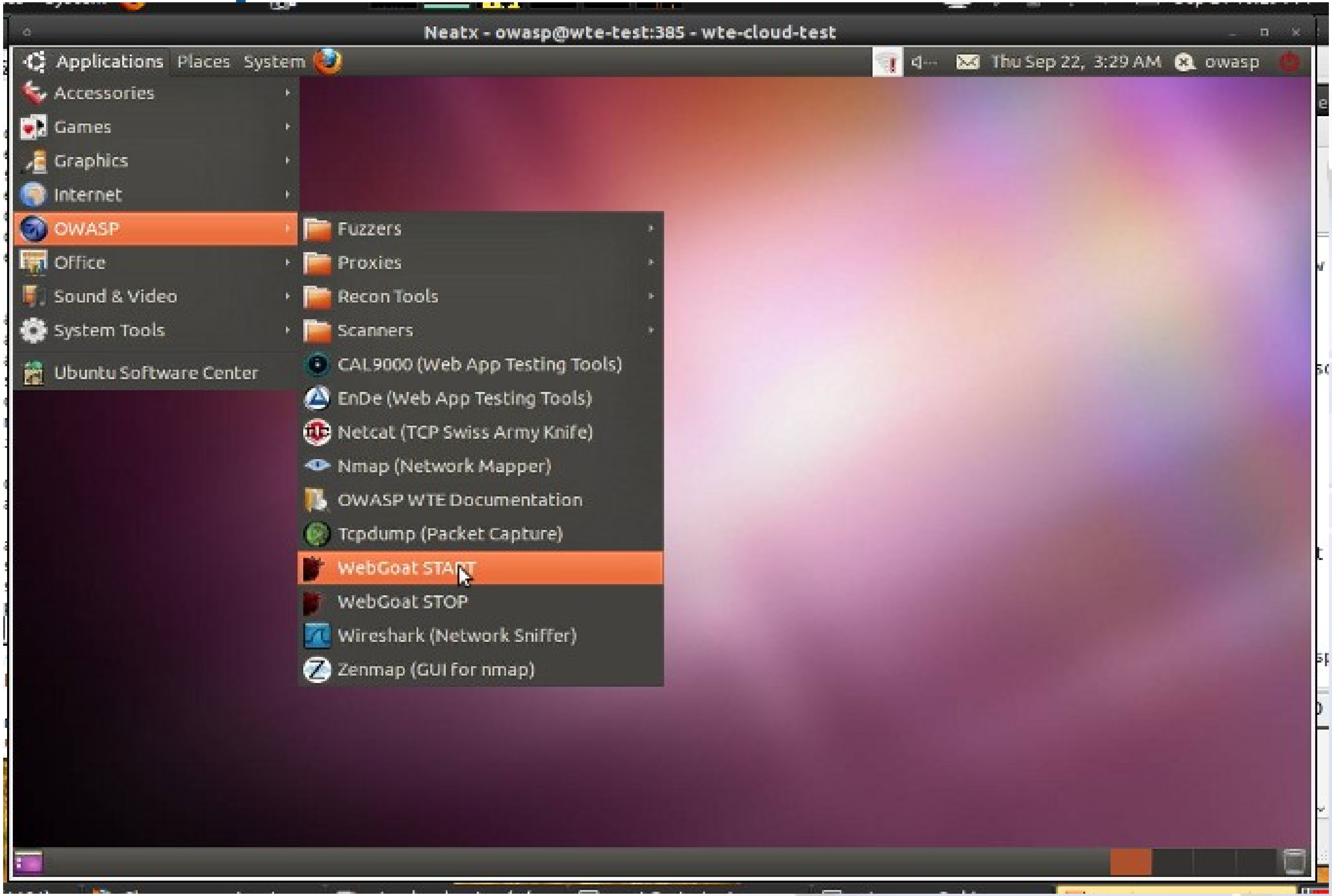
□ Login as a guest user



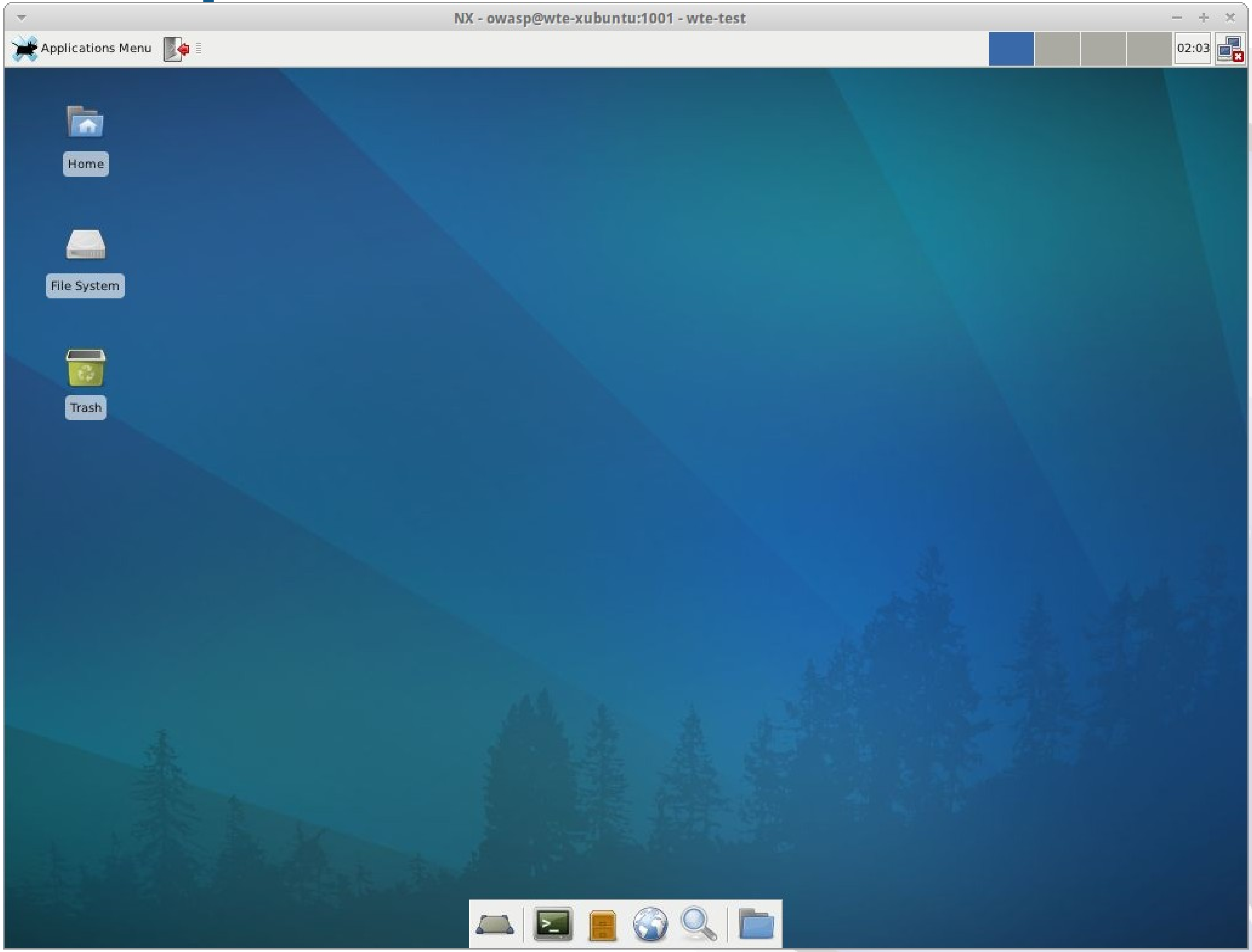
NX - wte-cloud-test

Connected to 50.56.80.190

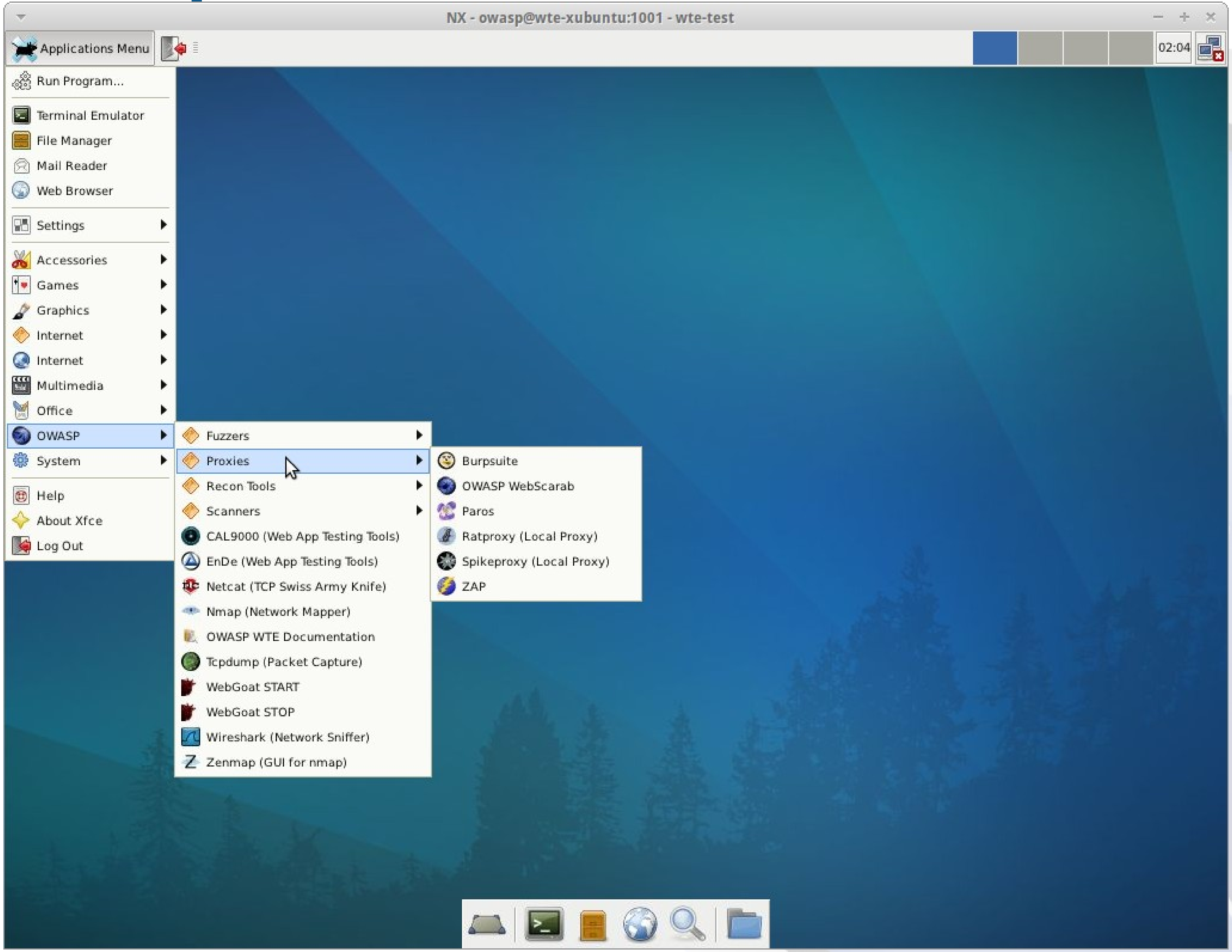
Step 9: WTE ala Cloud



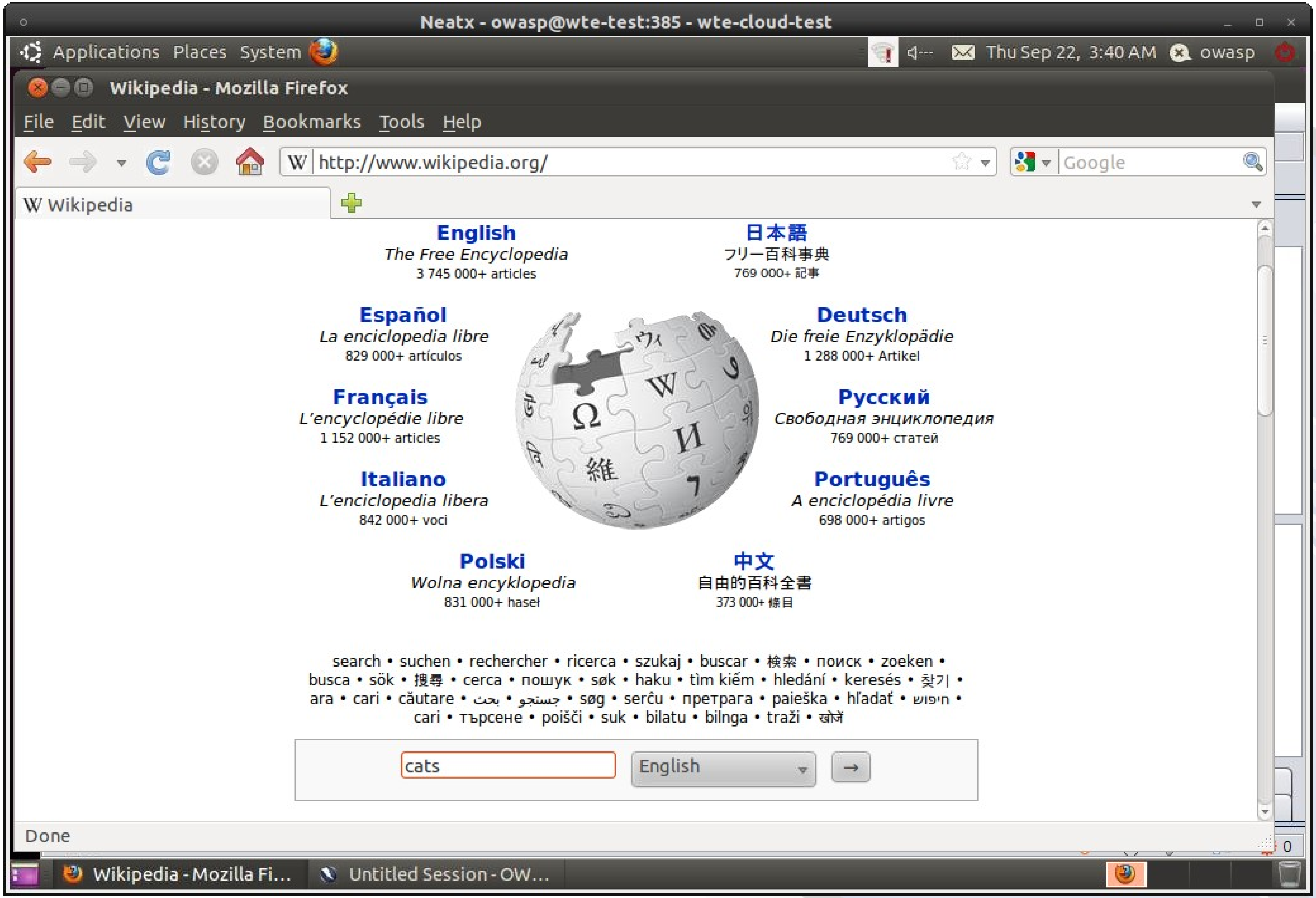
Step 9: WTE ala Cloud



Step 9: WTE ala Cloud



Step 10: Test Connectivity


Neatx - owasp@wte-test:385 - wte-cloud-test
Applications Places System
Thu Sep 22, 3:40 AM
owasp
Wikipedia - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://www.wikipedia.org/
Google
Wikipedia
Done
Wikipedia - Mozilla Fi...
Untitled Session - OW...

English
The Free Encyclopedia
3 745 000+ articles

日本語
フリー百科事典
769 000+ 記事

Español
La enciclopedia libre
829 000+ artículos

Deutsch
Die freie Enzyklopädie
1 288 000+ Artikel

Français
L'encyclopédie libre
1 152 000+ articles

Русский
Свободная энциклопедия
769 000+ статей

Italiano
L'enciclopedia libera
842 000+ voci

Português
A enciclopédia livre
698 000+ artigos

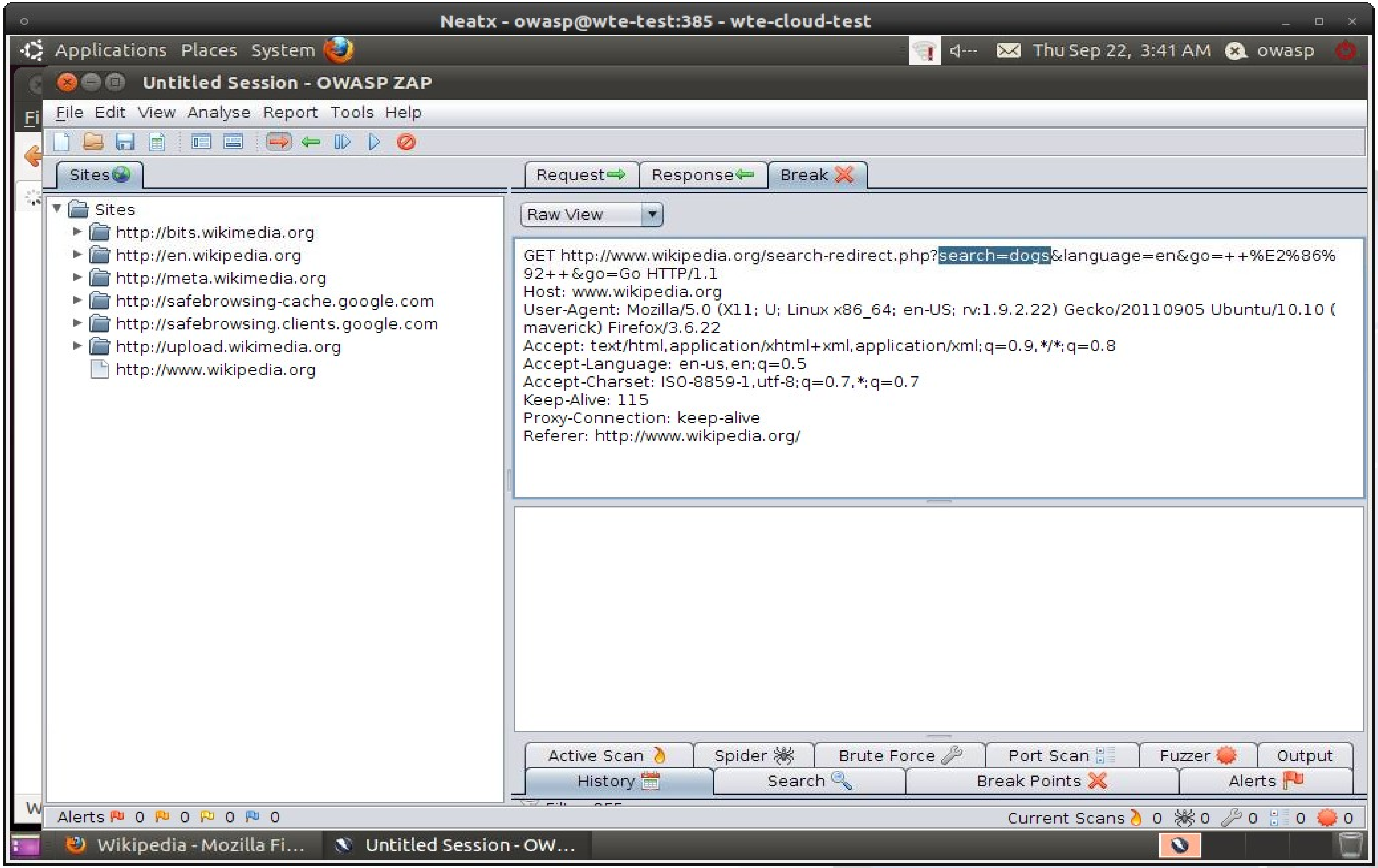
Polski
Wolna encyklopedia
831 000+ haseł

中文
自由的百科全書
373 000+ 條目

search • suchen • rechercher • ricerca • szukaj • buscar • 検索 • поиск • zoeken • busca • sök • 搜尋 • cerca • пошук • søk • haku • tìm kiếm • hledání • keresés • 찾기 • ara • cari • căutare • بحث • جستجو • søg • serĉu • претрара • paieška • hľadať • חיפוש • cari • търсене • poišči • suk • bilatu • bilnga • traži • खोजें

cats | English | →

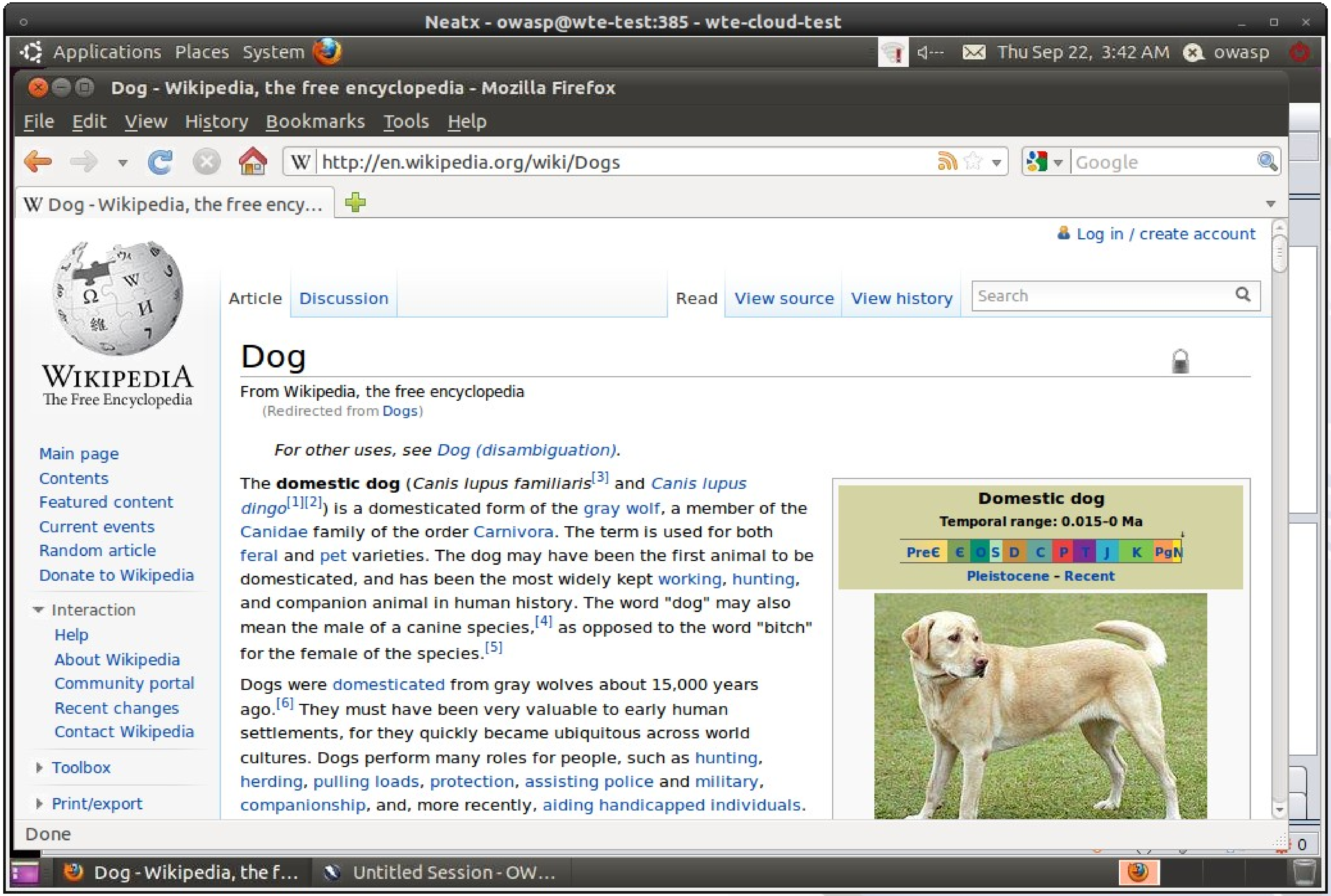
Step 11: Test the Tools



Neatx - owasp@wte-test:385 - wte-cloud-test
Applications Places System
Thu Sep 22, 3:41 AM owasp
Untitled Session - OWASP ZAP
File Edit View Analyse Report Tools Help
Sites
Request
Response
Break
Raw View
Sites
http://bits.wikimedia.org
http://en.wikipedia.org
http://meta.wikimedia.org
http://safebrowsing-cache.google.com
http://safebrowsing.clients.google.com
http://upload.wikimedia.org
http://www.wikipedia.org
Active Scan
Spider
Brute Force
Port Scan
Fuzzer
Output
History
Search
Break Points
Alerts
Alerts 0 0 0 0
Current Scans 0 0 0 0 0
Wikipedia - Mozilla Fi...
Untitled Session - OW...

```
GET http://www.wikipedia.org/search-redirect.php?search=dogs&language=en&go=++%E2%86%
92++&go=Go HTTP/1.1
Host: www.wikipedia.org
User-Agent: Mozilla/5.0 (X11; U; Linux x86_64; en-US; rv:1.9.2.22) Gecko/20110905 Ubuntu/10.10 (
maverick) Firefox/3.6.22
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-us,en;q=0.5
Accept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.7
Keep-Alive: 115
Proxy-Connection: keep-alive
Referer: http://www.wikipedia.org/
```

Turn Cats into Dogs



Dog

From Wikipedia, the free encyclopedia

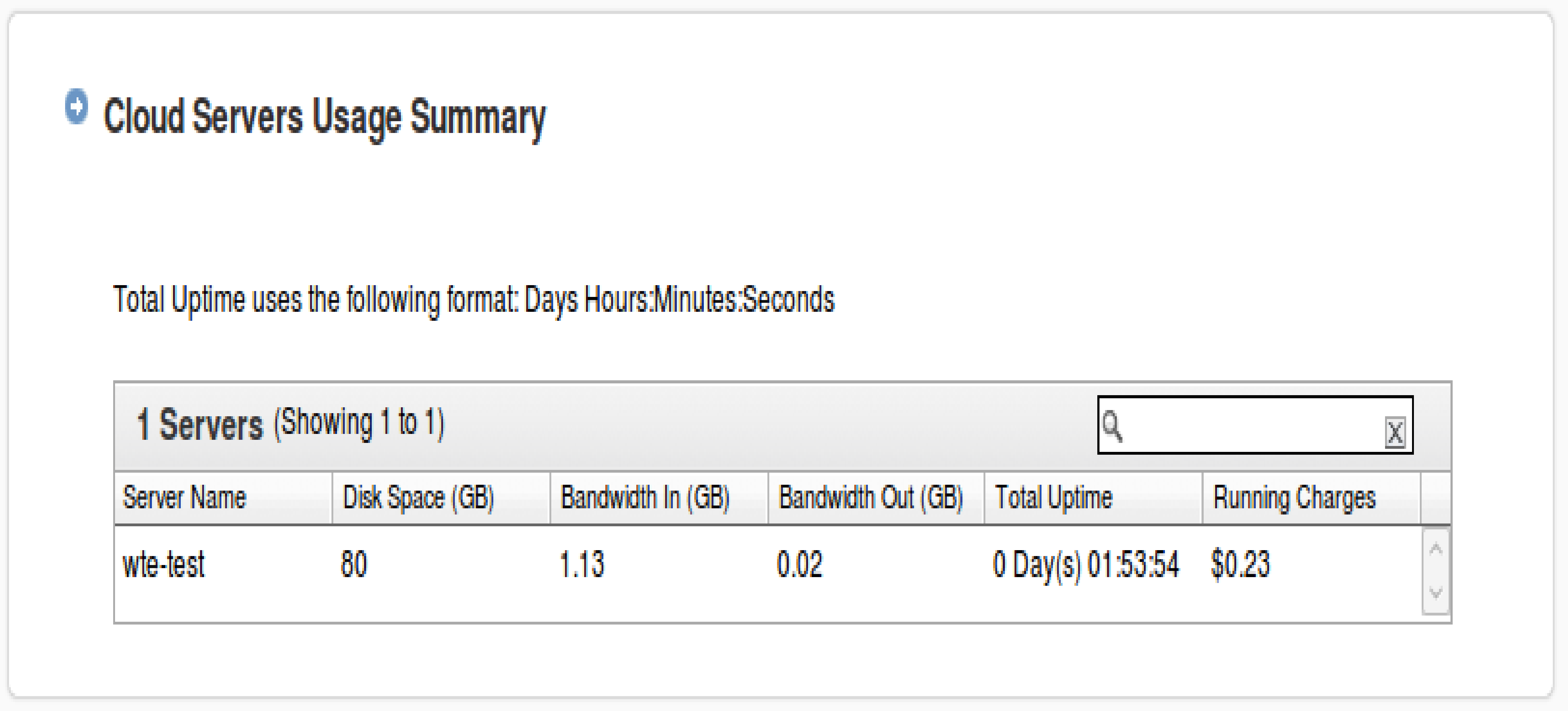
(Redirected from Dogs)

For other uses, see Dog (disambiguation).

The **domestic dog** (*Canis lupus familiaris*[3] and *Canis lupus dingo*[1][2]) is a domesticated form of the gray wolf, a member of the Canidae family of the order Carnivora. The term is used for both feral and pet varieties. The dog may have been the first animal to be domesticated, and has been the most widely kept working, hunting, and companion animal in human history. The word "dog" may also mean the male of a canine species,[4] as opposed to the word "bitch" for the female of the species.[5]

Dogs were domesticated from gray wolves about 15,000 years ago.[6] They must have been very valuable to early human settlements, for they quickly became ubiquitous across world cultures. Dogs perform many roles for people, such as hunting, herding, pulling loads, protection, assisting police and military, companionship, and, more recently, aiding handicapped individuals.

Step 12: Check your bill



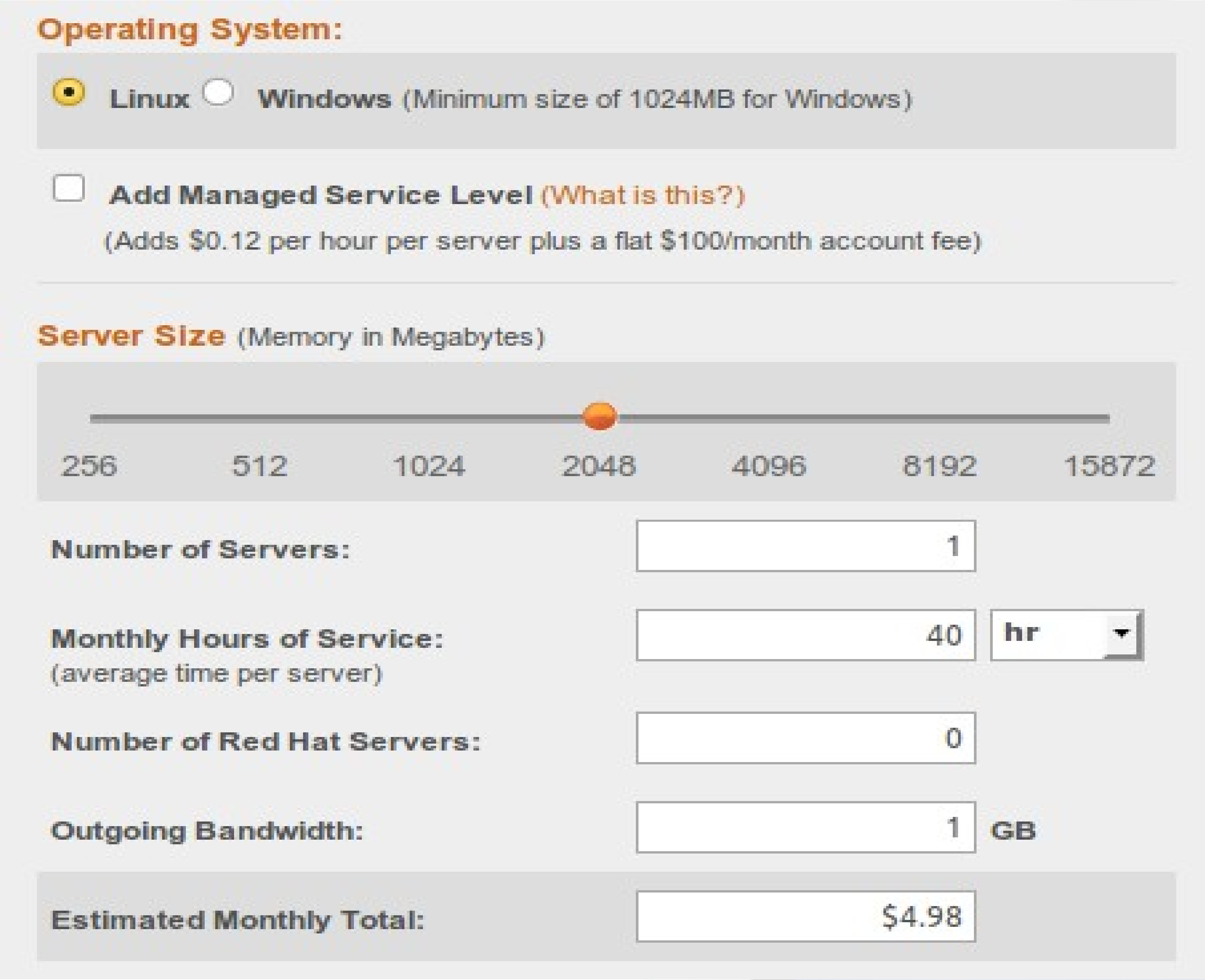
Cloud Servers Usage Summary

Total Uptime uses the following format: Days Hours:Minutes:Seconds

1 Servers (Showing 1 to 1)

Server Name	Disk Space (GB)	Bandwidth In (GB)	Bandwidth Out (GB)	Total Uptime	Running Charges
wte-test	80	1.13	0.02	0 Day(s) 01:53:54	$0.23

Cost Estimates



Operating System:

● **Linux** ○ **Windows** (Minimum size of 1024MB for Windows)

□ **Add Managed Service Level** (What is this?)

(Adds $0.12 per hour per server plus a flat $100/month account fee)

Server Size (Memory in Megabytes)

256 512 1024 2048 4096 8192 15872

Number of Servers:	1	
Monthly Hours of Service: (average time per server)	40	hr
Number of Red Hat Servers:	0	
Outgoing Bandwidth:	1	GB
Estimated Monthly Total:	$4.98	

Cost Estimates

- For 40 hours + 1 GB transfer $4.98
- For M-F, 24 hrs + 1 GB transfer = $15.48
- For 30 days, 24 hrs + 4 GB transfer = $88.32

Now what?

More Automation

- Make configuration steps into a script

  Add to postinst for wte-cloud package
- Get setup down to a single step

  Ideally all in the wte-cloud package
- Automate the bling (theme, etc)
- Test on other Cloud providers

Even More Automation

Apache Libcloud

- Python library to abstract away differences between multiple cloud provider APIs

  Cloud Servers
  Cloud Storage
  Cloud Load balancers

- Supports 24 different providers

More Options

- Different desktop installs

  Minimal (Gnome, KDE, XFCE, LXDE...)
  Tweaked for specific need

- Instant WebGoat in the sky
- Internal Clouds
  OpenStack, VMware, Xen
  VirtualBox (headless)

Document, Document Document

- Document and post the current manual process (coming soon)
- Create then document the Libcloud process
- Tutorials for various providers

Problems

Current Issues

- Yikes! AMD64 CPU
  - Some tools lack a dependency
  - WTE Firefox is for i386
  - NX server is a bit tricky
    - Either outdated or limited/$
- The WTE theme gets lost
- Need to look at X2go to replace NX

How can you get involved?

- Join the OWASP mail list
  - Announcements are there – low traffic

- Download an ISO or VM or Cloud instance
  - Complain or praise, suggest improvements
  - Submit a bug to the Google Code site

How can you get involved?

- Suggest missing doc or links
- Do a screencast of one of the tools
- Suggest some cool new tool
- Create a .deb package

Learn More...

OWASP Site

http://www.owasp.org/index.php/Category:OWASP_Live_CD_Project

or just look on the OWASP project page (release quality)

http://www.owasp.org/index.php/Category:OWASP_Project

or Google “OWASP Live CD” or “OWASP WTE”

Download & Community Site

http://AppSecLive.org

Previously: http://mtesauro.com/livecd/

Why do I do this?

Questions?

Sintel

Download it free at:

http://www.sintel.org

Independent film produced by the Blender Foundation using free and open software