# Offensive Security Certified Expert (OSCE)

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# Agenda

- OSCE Basics
- What it looks like
- JK's OSCE Experience

**Security Certifications – Offensive Security** 

Redefining Ingenuity™



**Certified Professional** 



Wireless Professional





Exploitation Expert



**SAIC**Redefining Ingenuity"

#### Offensive Security Certified Expert

Home > Information Security Certifications > Offensive Security Certified Expert

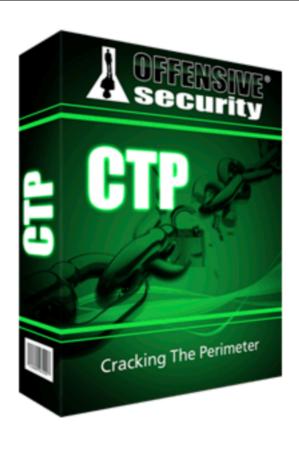
#### Offensive Security Certified Expert (OSCE)

The most challenging penetration testing certification in the industry

- Earned after passing the 48-hour online exam
- Pre-Requisite Course: Cracking the Perimeter (CTP)
- Proves a practical understanding of advanced penetration testing skills.
- An OSCE is able to identify hard-to-find vulnerabilities and misconfigurations in various operating systems and attack them



 The OSCE syllabus uses the Cracking the Perimeter (CTP) online course



#### **Cracking the Perimeter (CTP)**

Most challenging ethical hacking and penetration testing courses of its type

- Online, self-paced course with dedicated remote penetration testing labs
- Examines several advanced attack vectors based on real world scenarios
- Designed for the experienced penetration tester
- Earn the Offensive Security Certified Expert (OSCE) certification after passing the 48-hour performance-based exam
- Prove you have a practical understanding of advanced penetration testing skills by becoming an OSCE

### Cost:

ltem	Price in USD
CTP v.1.0 + 60 days CTP Lab access + certification	USD 1,500.00
CTP v.1.0 + 30 days CTP Lab access + certification	USD 1,200.00
CTP Lab access - extension of 60 days	USD 600.00
CTP Lab access - extension of 30 days	USD 350.00
OSCE - Certification retake	USD 100.00

### What it looks like

#### VPN - uses tap0 interface

#### **Connecting to the Labs**

[ 1]

Connection to the labs is done over VPN. Please use BackTrack for this.

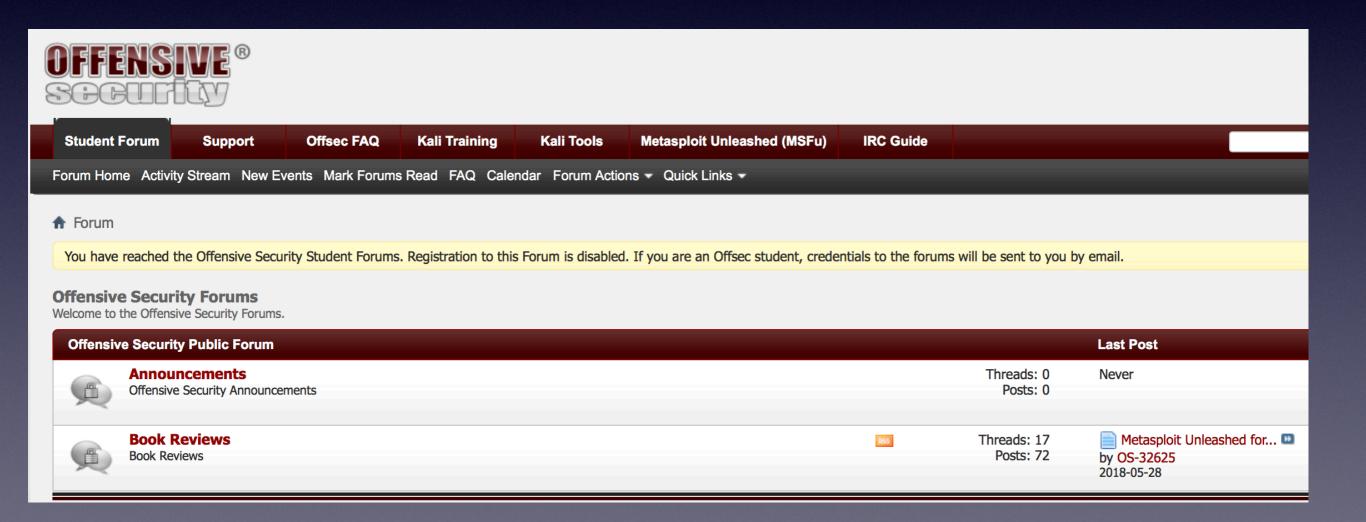
Wed Oct 12 00:00:04 2011 Initialization Sequence Completed

In your welcome email, you should have received a lab connectivity pack (lab-connection.tar.bz2) file. Copy this file to your BackTrack machine (in /root/), extract it, and initiate the VPN connection:

```
root@bt:~# tar xjf lab-connection.tar.bz2
root@bt:~# cd lab-connection/
root@bt:~/lab-connection# openvpn lab-connection.conf
Tue Oct 11 23:59:51 2011 OpenVPN 2.1.0 i486-pc-linux-gnu [SSL] [LZO2] [EPOLL] [PKCS11] [M
H] [PF_INET6] [eurephia] built on Jul 20 2010
Enter Auth Username: OS-XXXX
Enter Auth Password:
Wed Oct 12 00:00:00 2011 WARNING: No server certificate verification method has been enab
led. See http://openvpn.net/howto.html#mitm for more info.
Wed Oct 12 00:00:00 2011 NOTE: OpenVPN 2.1 requires '--script-security 2' or higher to ca
ll user-defined scripts or executables
Wed Oct 12 00:00:00 2011 LZO compression initialized
Wed Oct 12 00:00:00 2011 UDPv4 link local: [undef]
Wed Oct 12 00:00:00 2011 UDPv4 link remote: [AF_INET]67.23.72.119:1194
Wed Oct 12 00:00:00 2011 WARNING: this configuration may cache passwords in memory -- use
the auth-nocache option to prevent this
Wed Oct 12 00:00:02 2011 [127.0.0.1] Peer Connection Initiated with [AF_INET]208.88.123.9
4:1194
Wed Oct 12 00:00:04 2011 TUN/TAP device tap0 opened
Wed Oct 12 00:00:04 2011 /sbin/ifconfig tap0 192.168.98.15 netmask 255.255.254.0 mtu 1500
broadcast 192.168.99.255
```

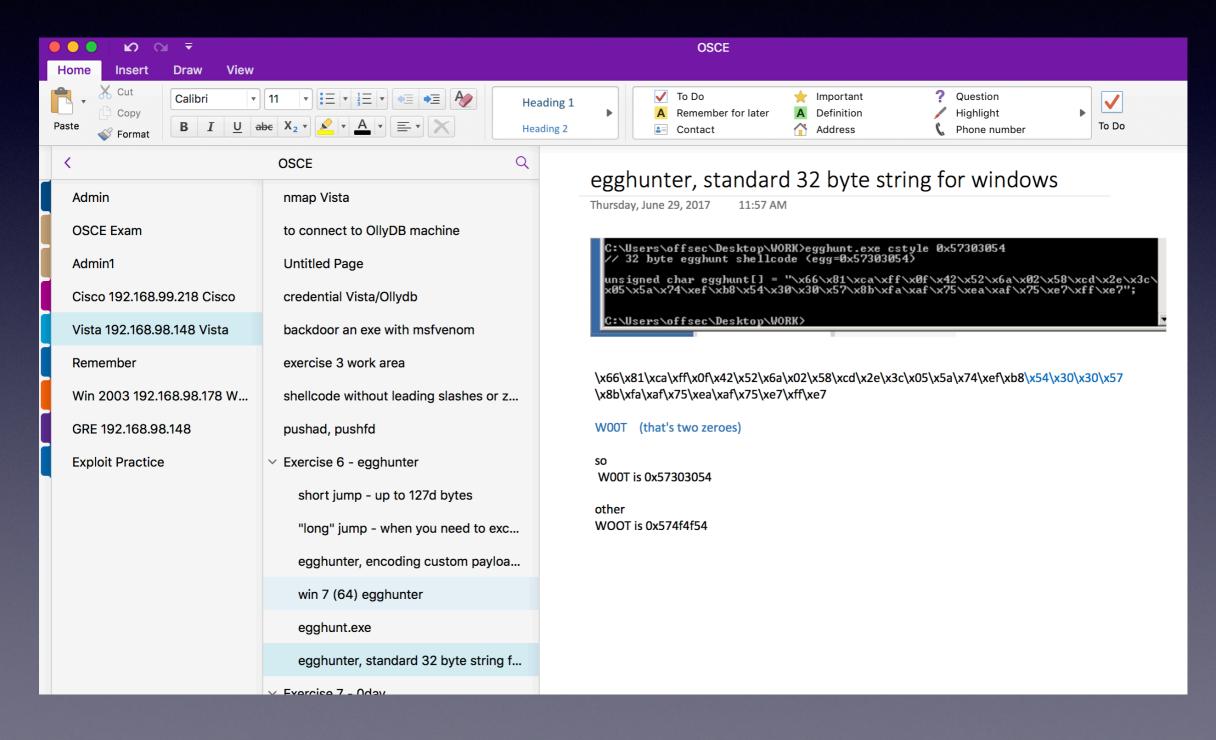
### What it looks like

Forum



### What it looks like

Microsoft OneNote (for note keeping)



06 April - 22 August 2017

### My prior experience

OSCP

SLAE-32, SLAE-64

GWAPT

- •5 Apr 2017 Registration Challenge
- •6 Apr 2017 Bought (\$1500)

Course - Cracking the Perimeter (videos, pdf's)

Labs - 60 days Lab access +

Exam attempt

12 Apr - Began Lab Exercises



Exercises:

Web App XSS

Web App LFI

Backdoor an EXE

ASLR Bypass

Egghunter BOF

0-day TFTP BOF

0-day Alphanumeric Shellcode

Router exploit

(Muts' Greatest Hits of 2008)

8 July – Finished lab exercises



The exam has four challenges:

Machine 1 (30 points)

Machine 2 (30 points)

Machine 3 (15 points)

Machine 4 (15 points)

For a total of 90 points; Passing is 75 points

19 Aug: Passed exam

20 Aug: Sent report

25 Aug: Good news

From: Offensive Security Orders < orders@offensive-security.com >

**Date:** August 25, 2017 at 12:03:55 PM CDT **To:** John Kennedy <<u>jk@jkcybersecurity.com</u>>

**Subject: Cracking the Perimeter - OSCE Certification Exam Results - OS-15830** 

Reply-To: Offensive Security Orders <orders@offensive-security.com>

Dear John

We are happy to inform you that you have successfully completed the Cracking the Perimeter certification exam and have obtained your Offensive Security Certified Expert (OSCE) certification.

Listed below is your name as it will appear on your printed certification. If any changes are required, please let us know right away at <u>orders@offensive-security.com</u>.

#### John Kennedy

Your certification will be delivered via DHL courier so you must verify your



Host info:

MacBook Pro (2017)

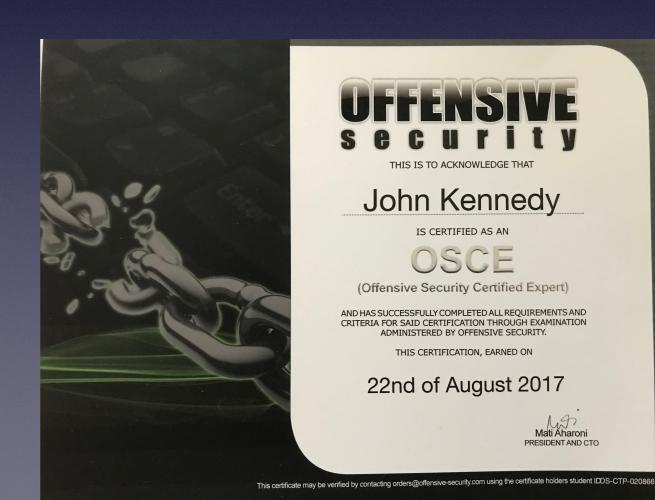
VMWare Fusion (\$75)

Kali Linux VM

Notes – Microsoft OneNote

# OSCE Summary

- Kind of a pain
- One area very useful; three others somewhat
- Glad it's over



# Questions?