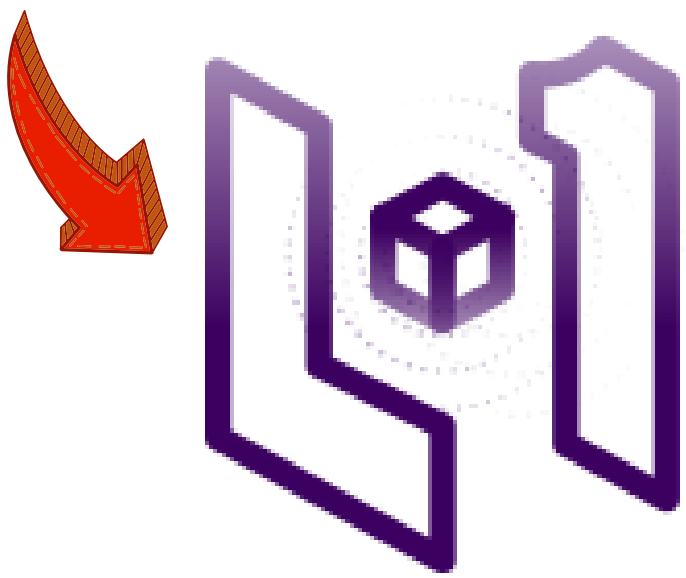
PEN-200 and the OSCP

Start with Fundamentals

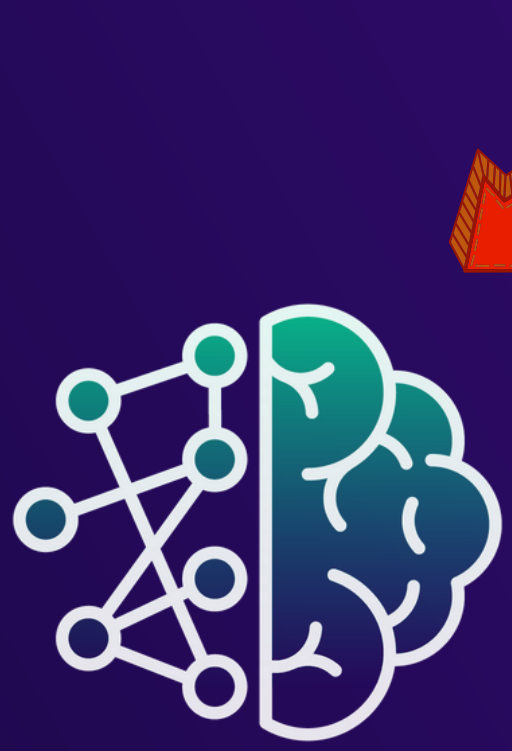
LEARN ONE SUBSCRIPTION



All prerequisites for PEN-200 can be found in Network Penetration Testing Essentials, part of a Learn One annual subscription.

Modules include:

- Linux Basics
- Network Scripting
- Troubleshooting
- Intro to Active Directory
- Cryptography
- Bash Scripting Basics



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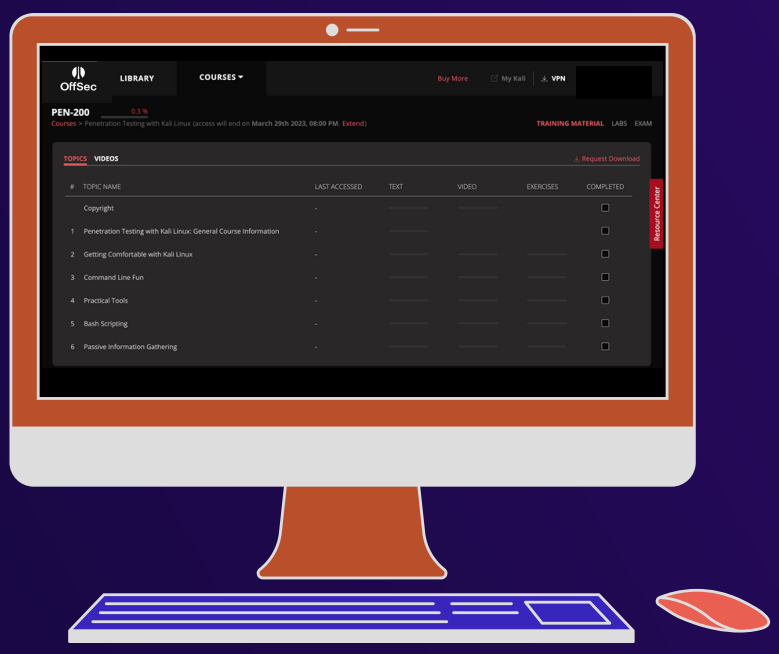
Deepen Your Understanding



Learning Module

- Learning Units
- Learning Objectives
- Module Exercises
- Capstone Exercises

With **PEN-200 (2023)**, each Module has been restructured, allowing you to deepen your understanding of OffSec's penetration testing methodology and mindset before you test your skills in the new Challenge Labs.

CHALLENGE YOURSELF

CHALLENGE LABS

Challenge Labs are designed to help you work through particular penetration testing problems.

You'll encounter progressively more difficult and more varied sets of machines with greater complexity and dependencies.

In the final challenges, you'll have to compromise a large and rich network.

ENGAGE WITH THE COMMUNITY

Learn from walkthroughs of course Modules & Proving Grounds machines

offs.ec/youtube

twitch.tv/offsecofficial

Join the OffSec Community on Discord

discord.com/invite/offsec

The Importance of Community

From Jeremy Miller's Reflections on Failure, Part Two

"People in information security tend to have a strong sense of community, and indeed “community” is one of OffSec’s core values. But learning security can often feel lonely.

If I could ask one thing of the reader, it would be to please never hesitate to reach out to others in the space for practical and emotional support – there are plenty of infosec community members who are more than happy to help out."

The Adversarial Mindset

Mental Models of Hackers

Observations of the system and its components

[Ambiguity tolerance]

[Diagramming]

[Creativity]

Patterns of relationships among interrelated parts throughout the system

Recognized trends and patterns of operation

[Curiosity]

[Domain Expertise]

Assumptions, generalizations, and images influencing my understanding of the system and its functionality

Image adapted from Summers, Timothy. How Hackers Think: A Mixed Method Study of Mental Models and Cognitive Patterns of High-Tech Wizards. May 2015, etd.ohiolink.edu/apexprod/rws_etd/send_file/send?accession=case1427809862.

How We Teach Hacking

On one hand, we're trying to teach technical information like what it means to attack web applications.
On the other, there is this whole concept of mindset, adversarial thinking, and how we're going about the process.

"...hackers express a desire and interest in solving problems that lack definition and appear not to have a solution."

Summers, Timothy. How Hackers Think: A Mixed Method Study of Mental Models and Cognitive Patterns of High-Tech Wizards. May 2015, etd.ohiolink.edu/apexprod/rws_etd/send_file/send?accession=case1427809862.

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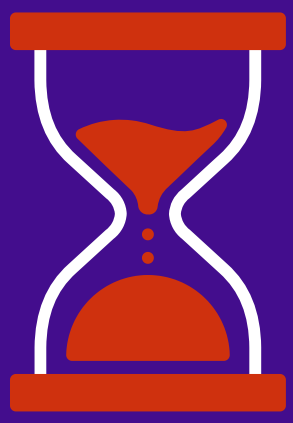
Learn from Failure

From Jeremy Miller's Reflections on Failure, Part Two



Set a timer for some arbitrary amount of time, say for three hours. Your goal is to attack a chosen machine and compromise it within the allotted time.

If you are able to compromise the target, then you have succeeded. Pick a more difficult machine or reduce the time period and try again. At some point, some combination of target and time period will inevitably cause you to fail.

When you do, write down what you have learned during the process, and particularly what your failed attempts might tell you about the machine.

Your failure contributes to your global progress and makes you a better cybersecurity professional.

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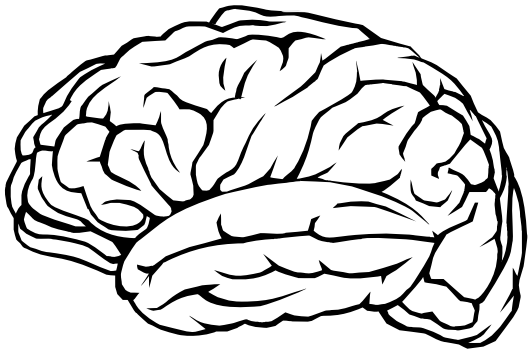
Remember to Pause

and take a

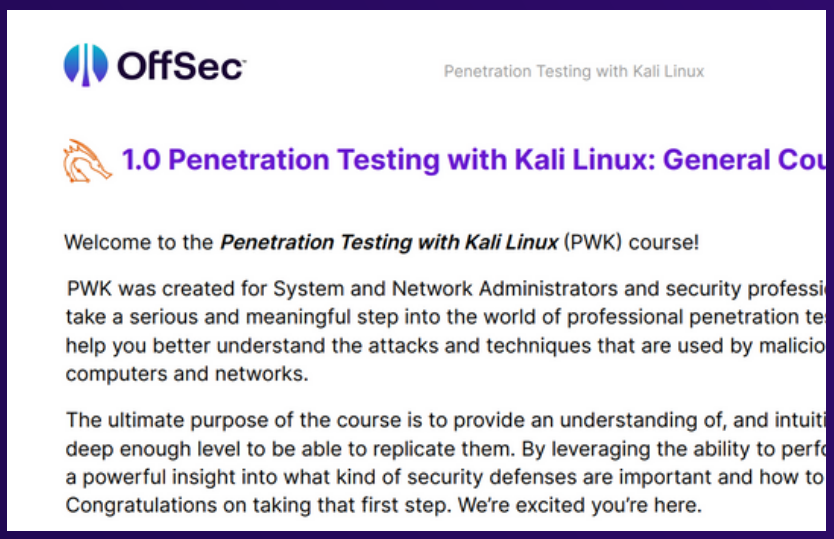


Your brain is not designed to run non-stop.

A 5-15 minute break every hour or so can:

- Improve memory
- Increase productivity
- Reduce stress
- Reignite your creativity

Course & Exam Resources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Penetration Testing with Kali Linux

1.0 Penetration Testing with Kali Linux: General Cou

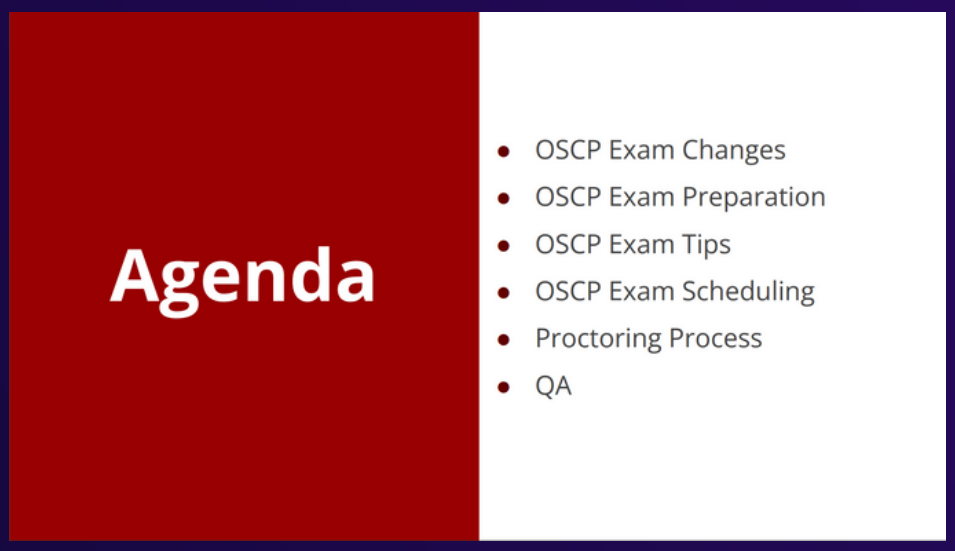
Welcome to the ***Penetration Testing with Kali Linux*** (PWK) course!

PWK was created for System and Network Administrators and security professi
take a serious and meaningful step into the world of professional penetration te
help you better understand the attacks and techniques that are used by malicio
computers and networks.

The ultimate purpose of the course is to provide an understanding of, and intuiti
deep enough level to be able to replicate them. By leveraging the ability to perf
a powerful insight into what kind of security defenses are important and how to
Congratulations on taking that first step. We're excited you're here.

First PEN-200 Module

OSCP Exam with AD


Agenda

- OSCP Exam Changes
- OSCP Exam Preparation
- OSCP Exam Tips
- OSCP Exam Scheduling
- Proctoring Process
- QA

OSCP Exam Prep Slides