



The slide features a dark blue header with the CyberSecPro logo and the text 'EDUCATION AND TRAINING'. Below this, a large, semi-transparent 'CyberSecP' watermark is visible. The main title 'CyberSecPro Training' is in large, bold, white font. A subtitle in smaller white font reads: 'We are creating cutting-edge education and training to advance competencies and professionalism in EU cybersecurity.' A small 'X' icon is in the bottom right corner of the slide area.



The slide features a light gray header with the text 'OUR VISION'. Below this, the main title 'Next level cybersecurity education and training' is displayed in large, bold, black font. The slide has a dark blue footer with the European Union flag and the text 'Funded by the European Union'. It also includes the CyberSecPro logo and the Creative Commons license icons (CC BY NC SA).

Lab Setup

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Laptop requirements for Winter School 2026

Most sessions will use a VM image to run the examples and exercises.

These require a fair amount of resources (memory, storage, CPU).

So laptop should have at least:

- **16GB RAM**,
- **4 cores** and
- **over 100GB** of free storage space.

Virtualization technology (commonly referred to as **Intel VT-x or AMD-V**) must be **enabled in the system BIOS settings**. This may require intervention of your IT department to enable them.

Software requirements

These are some general requirements:

- Virtual Machine with Kali Linux (<https://www.kali.org/get-kali/#kali-installer-images>):
 - 4–8 GB RAM
 - 2 or more CPU cores
 - 40 GB or more disk space (with dynamic allocation)
 - 3D acceleration enabled
- Host or Virtual machine:
 - Ollama - <https://ollama.com/download>
 - Python - <https://www.python.org/downloads/>
 - curl - <https://curl.se/download.html>
 - Garak - <https://docs.garak.ai/garak/llm-scanning-basics/setting-up/installing-garak>

Handling models

Download some small LLMs (llama2, llama3 and mistral) with ollama (each model is about 4-5GB large):

```
ollama pull llama2
ollama pull mistral
# optional if you don't have storage space
ollama pull llama3
```

Check if the models are there by typing

```
ollama list
```

Run a model with:

```
ollama run llama2 "<Some text>"
ollama run llama2 "What is a pastel de Belém?"
```

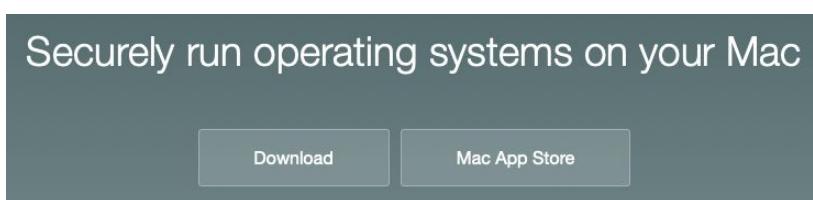
Virtual Machines

On ARM: UTM <https://mac.getutm.app>

On x86: <https://www.virtualbox.org>



The screenshot shows the official VirtualBox website. At the top, there is a navigation bar with links for Home, Download, Documentation, and Community. Below the navigation, a large banner features the text "Powerful open source virtualization" and "For personal and enterprise use". A detailed description of the software follows, mentioning its compatibility with x86_64 hardware, macOS/Arm, and Windows/Arm, and its use cases for laptop, desktop, server, and embedded environments. To the right of this text is a "Get Started" button with a "Download" sub-button, which is highlighted in blue. Below the download button, there is a small note: "Download VirtualBox binaries and platform packages". The background of the main content area has a subtle geometric pattern.



The screenshot shows the UTM website. The main headline reads "Securely run operating systems on your Mac". Below the headline are two buttons: "Download" and "Mac App Store". The background is a dark teal color.



Troubleshooting

Troubleshooting:

- In Windows, VirtualBox does not start, complaining about mismatched signatures.
 - VirtualBox requires that HyperV is disabled. If it's not, it can give some unrelated or “strange” errors.
 - To find whether Hyper-V is enabled, run in CMD:
`systeminfo | findstr /i "hyper"`
 - If it shows that Hyper-V / WSL is active, you need to disable it and reboot the system. To do this, run in CMD:
`bcdedit /set hypervisorlaunchtype off`

Reboot the system.

Feedback survey

<https://admin.cybersecpro-project.eu/evalsurvey/viewpublicsurvey/id/63>

