

DYNIICXS POC

Overview

A new operating system is currently being developed. It is designed to deliver enhanced performance, advanced features, and robust support for modern hardware and software applications. This OS aims to set new user experience, security, and system management standards, catering to general users and specialized needs.

1. Supported Applications

The new OS is designed to support a wide range of applications, ensuring compatibility and performance across various use cases:

- **Productivity Tools:** These include seamless integration within total X applications to make them run stable and smoothly. The applications that can run on the PoC are further mentioned below.
- **Multimedia Applications:** The OS will support various multimedia applications; currently, the VLC player is running smoothly.
- **Development Tools:** Developers will benefit from robust support for integrated development environments (IDEs), compilers, and debugging tools, which will make it easier to build and test applications.

1.1. Kernel: The kernel is the core component of an operating system that manages system resources, handles process scheduling, and facilitates communication between hardware and software components. It ensures that multiple processes can run concurrently and efficiently.

1.2. Process Management: Process management involves handling the execution of processes within the OS. The OS ensures that processes are efficiently managed and do not interfere with each other. Once the application is further developed, it will also be further documented.

1.3. Memory Management: Memory management refers to allocating and tracking system memory. The OS uses techniques such as paging and segmentation to manage physical and virtual memory, ensuring that each process has access to the memory it needs without conflicts.

2. Key Features

2.1. Performance Optimization: The new OS includes performance optimization features that enhance speed, responsiveness, and efficiency. It employs advanced resource management techniques to maximize system performance. At the moment, no speed test results are available. However, one can experience advanced performance by using visuals.

2.2. User Experience: Designed with user experience in mind, the OS offers an intuitive interface, customizable settings, and seamless integration with applications, providing a smooth and enjoyable user interaction for a PoC application.

2.3. Application Support: The OS currently supports a limited number of applications, providing compatibility with a few popular software and enabling users to install and run applications without issues.

2.4. Compatibility: It offers compatibility with limited hardware components and peripheral devices at the current stage, ensuring that users can leverage their existing equipment once the

configurations are matched.

2.5. Scalability: The OS is designed to scale effectively limited nr. They ensure consistent performance and reliability if the configurations are matched in hardware configuration.

3. Installed Apps

Currently, the below applications are installed and functioning smoothly:

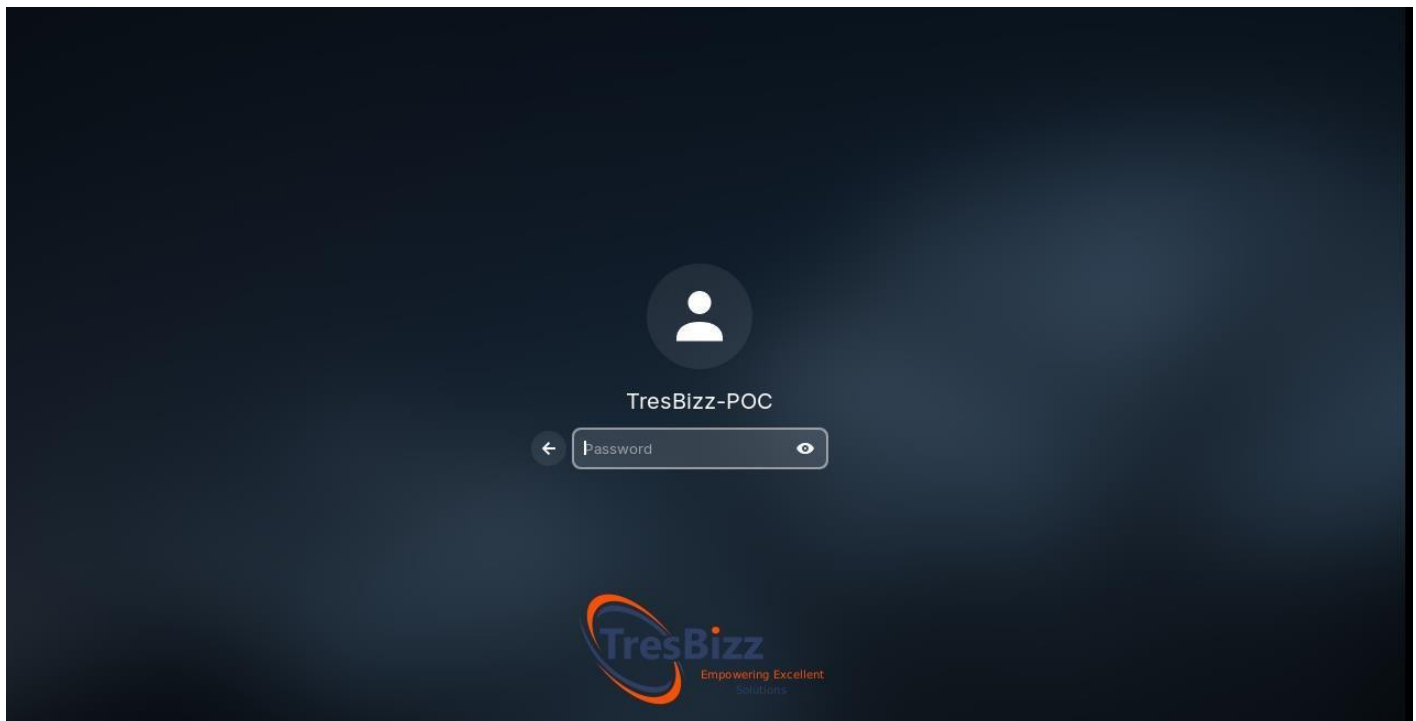
- 1) Google Chrome
- 2) Zoom
- 3) Skype
- 4) Adobe Acrobat
- 5) VLC Player
- 6) Anydesk
- 7) Oracle VM VirtualBox
- 8) ClamAV
- 9) Visual Studio Code
- 10) O A.D. (Gaming Application)
- 11) Minecraft Launcher (Gaming Application)

The user interface has been designed so the initial user experience will match a PoC with the current software in the market.

TresBizz POC OS Version 1.01 Date 24, May2024

In this version, nine applications are installed

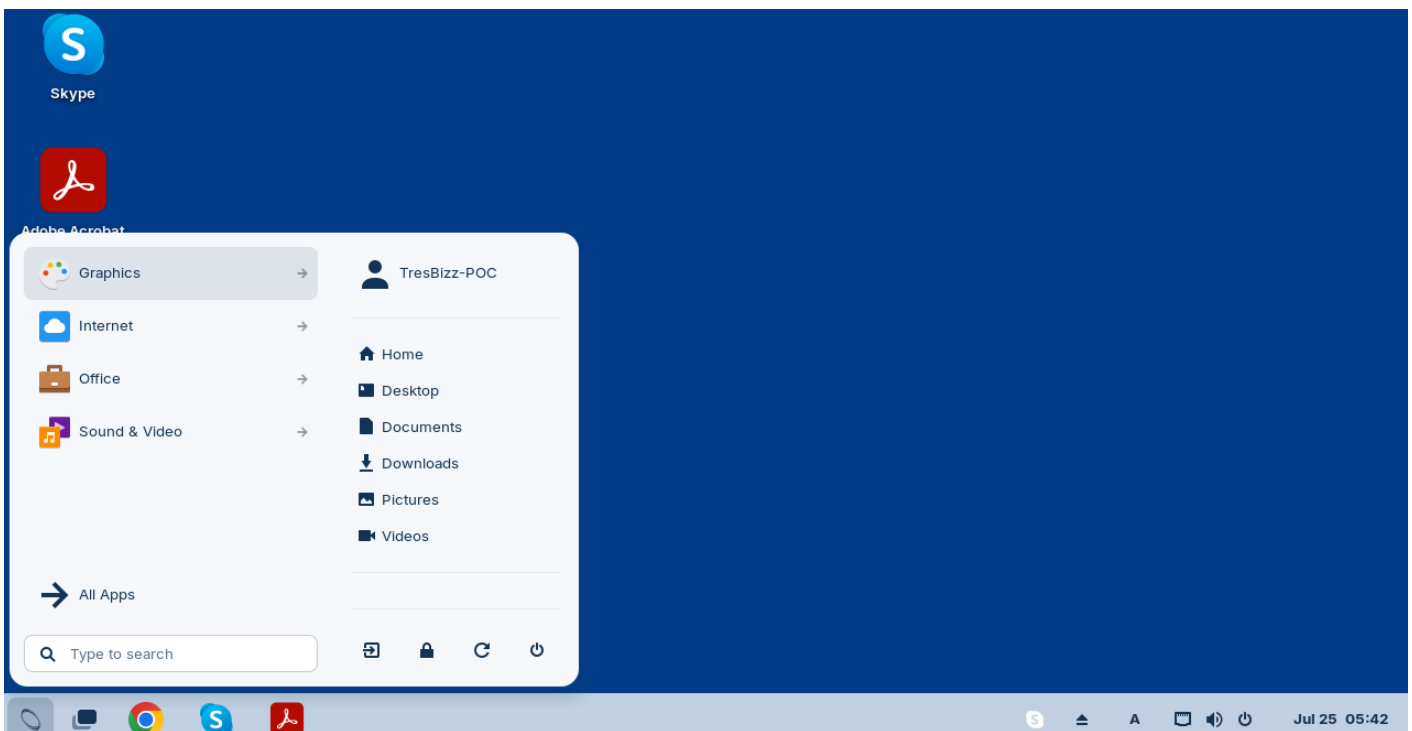
3.1. Login Screen



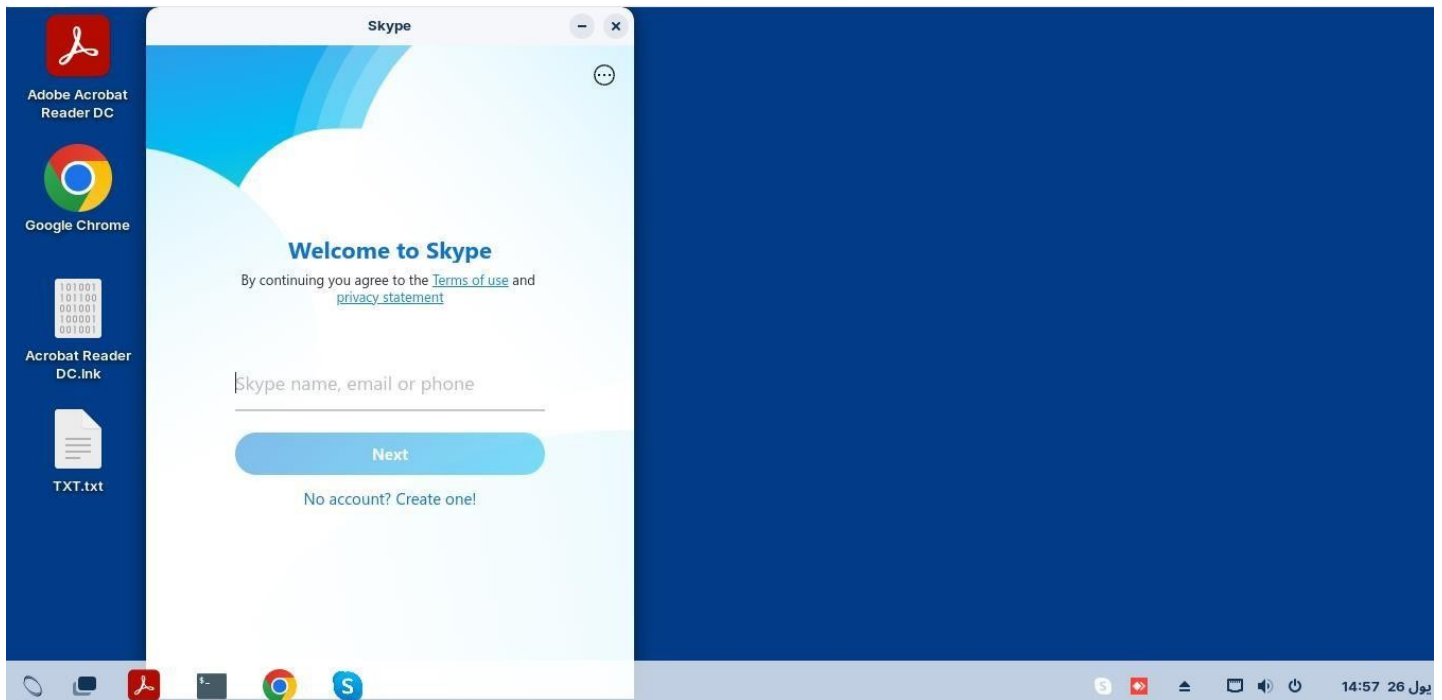
3.2. Desktop Screen



3.3. Sub-Menus

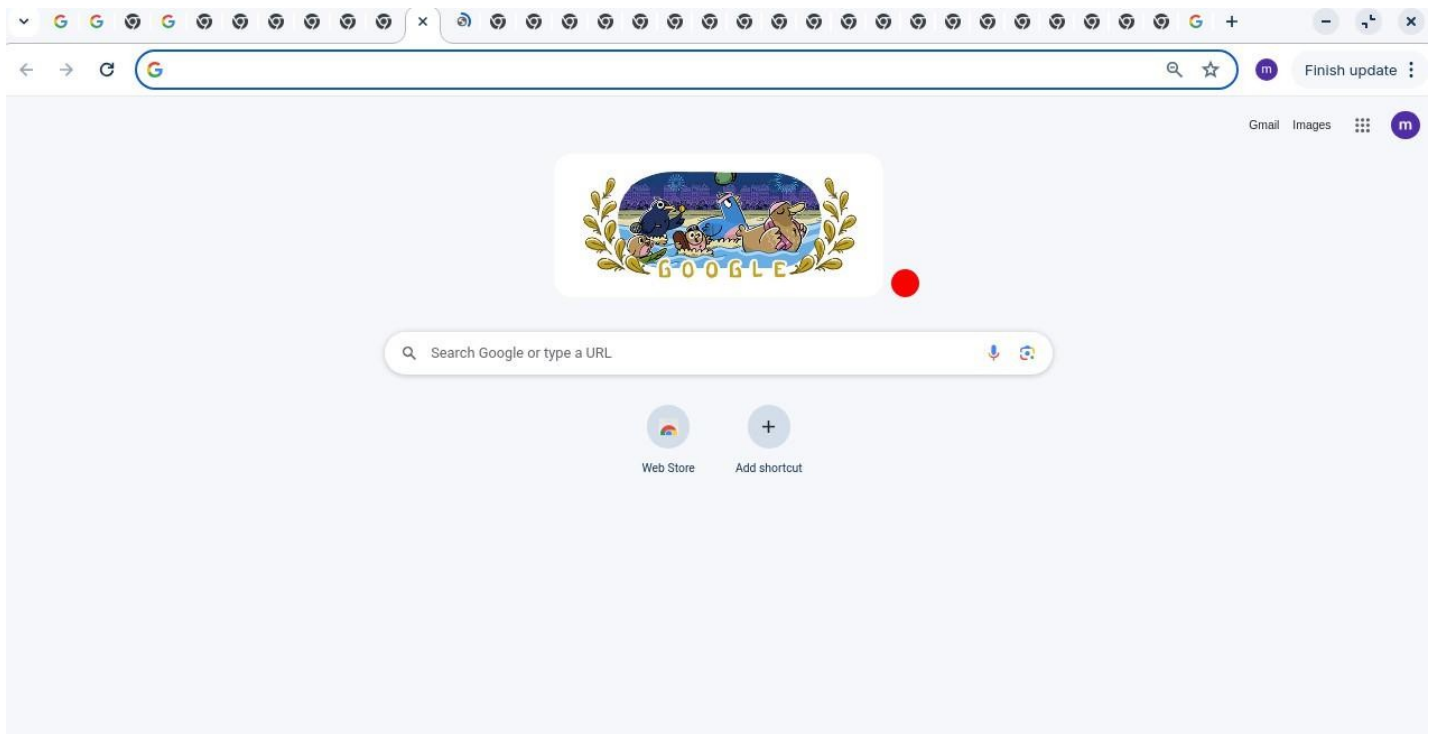


3.4. Skype Application

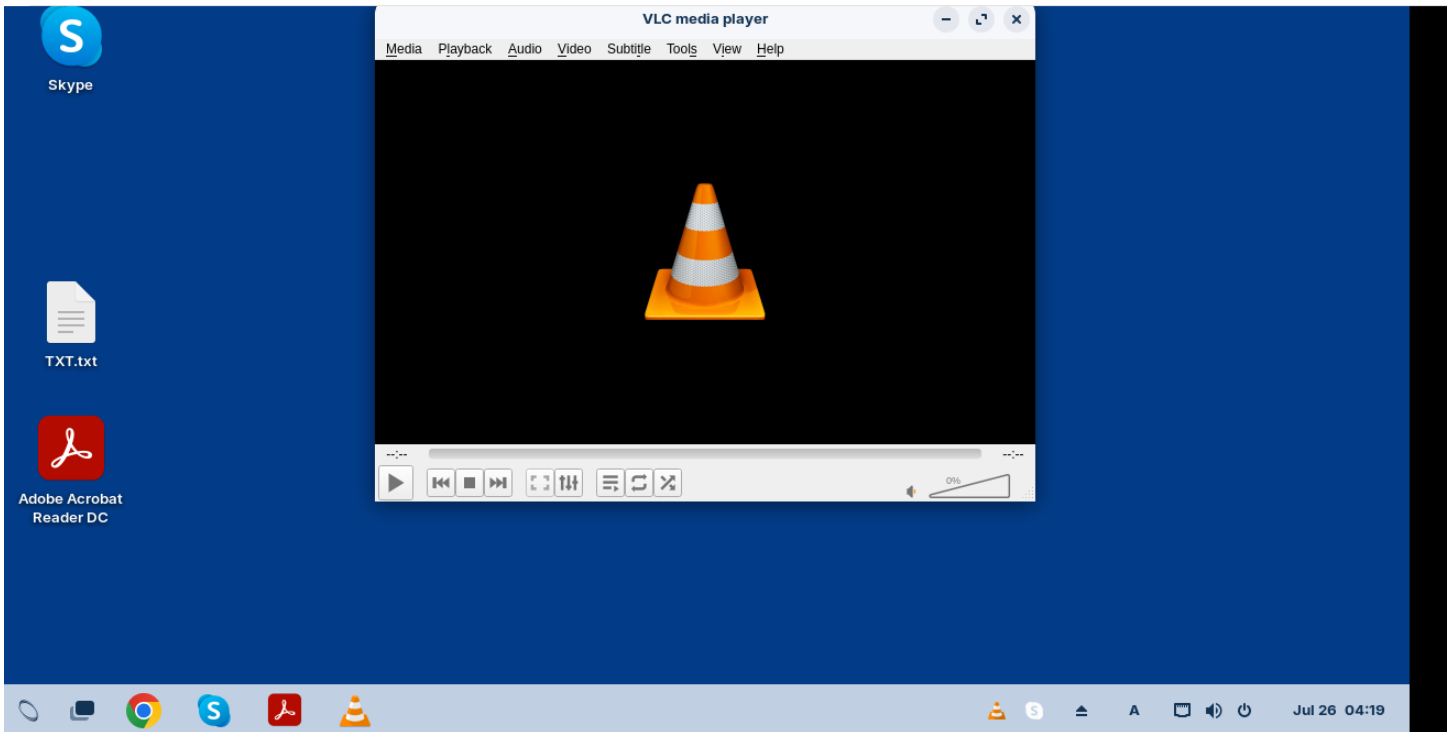


3.5. Google Chrome

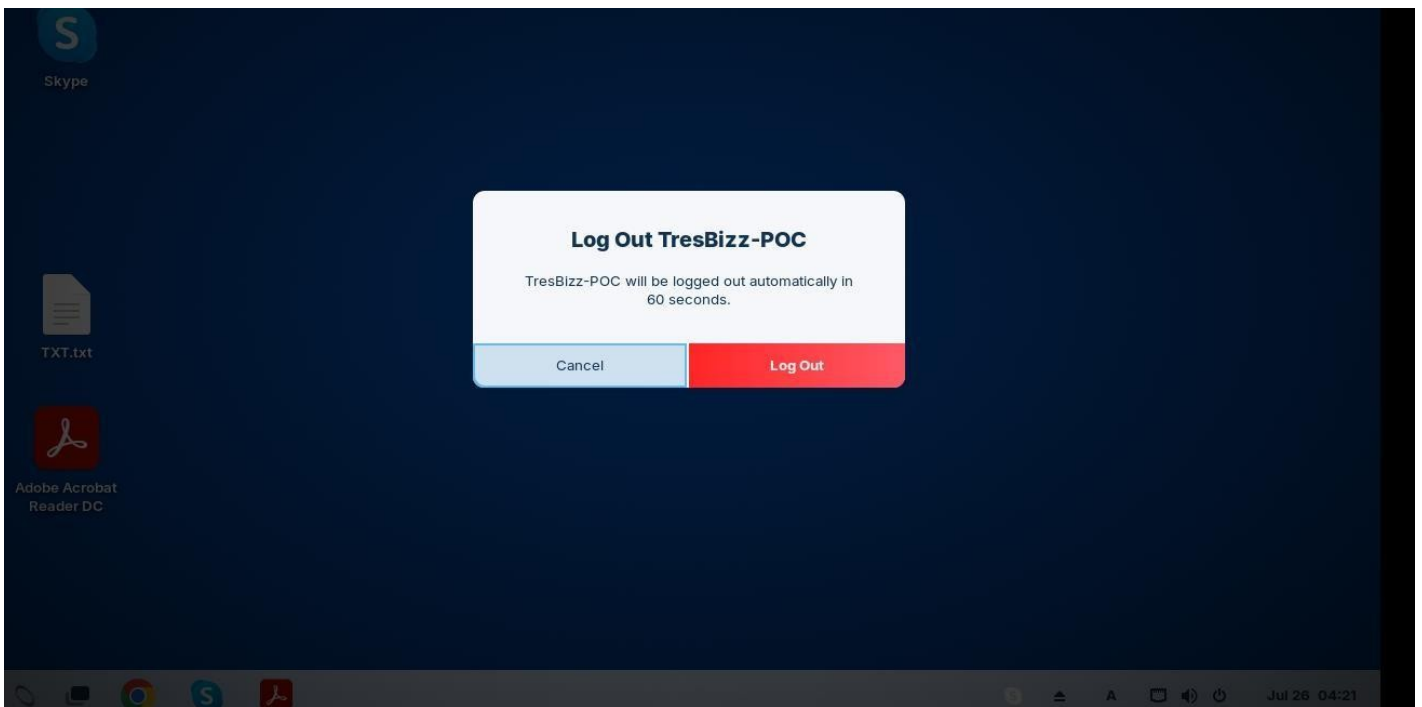
Open multiple tabs and work smoothly.



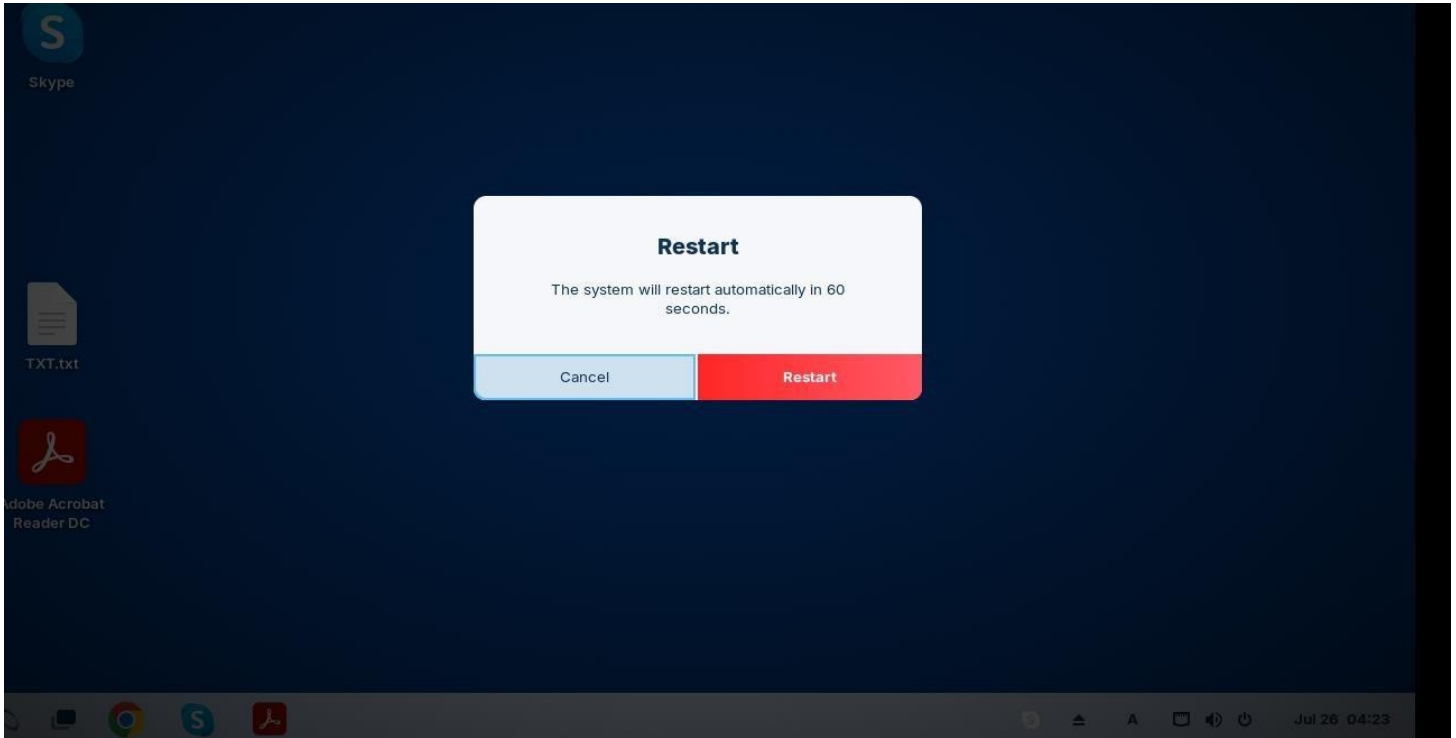
3.6. VLC Player



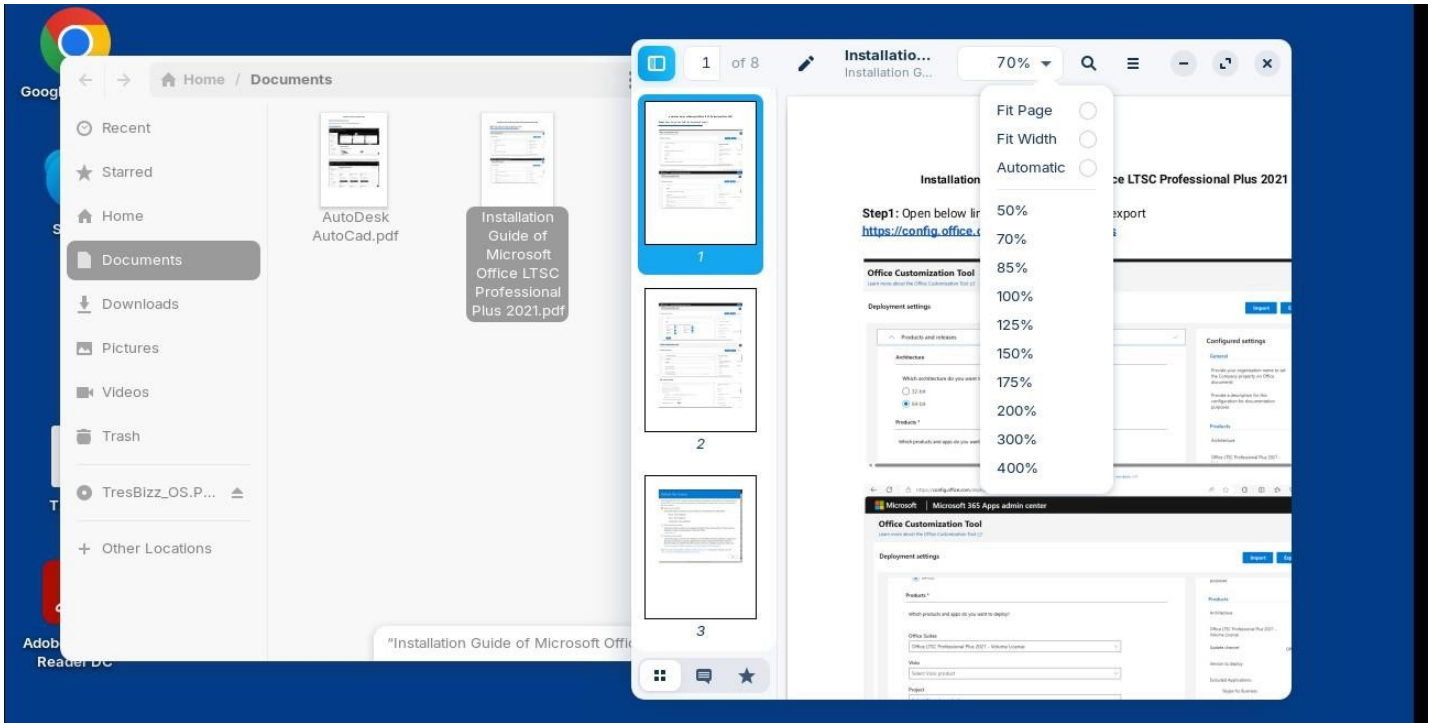
3.7. Logout Screen



3.8. Restart Option



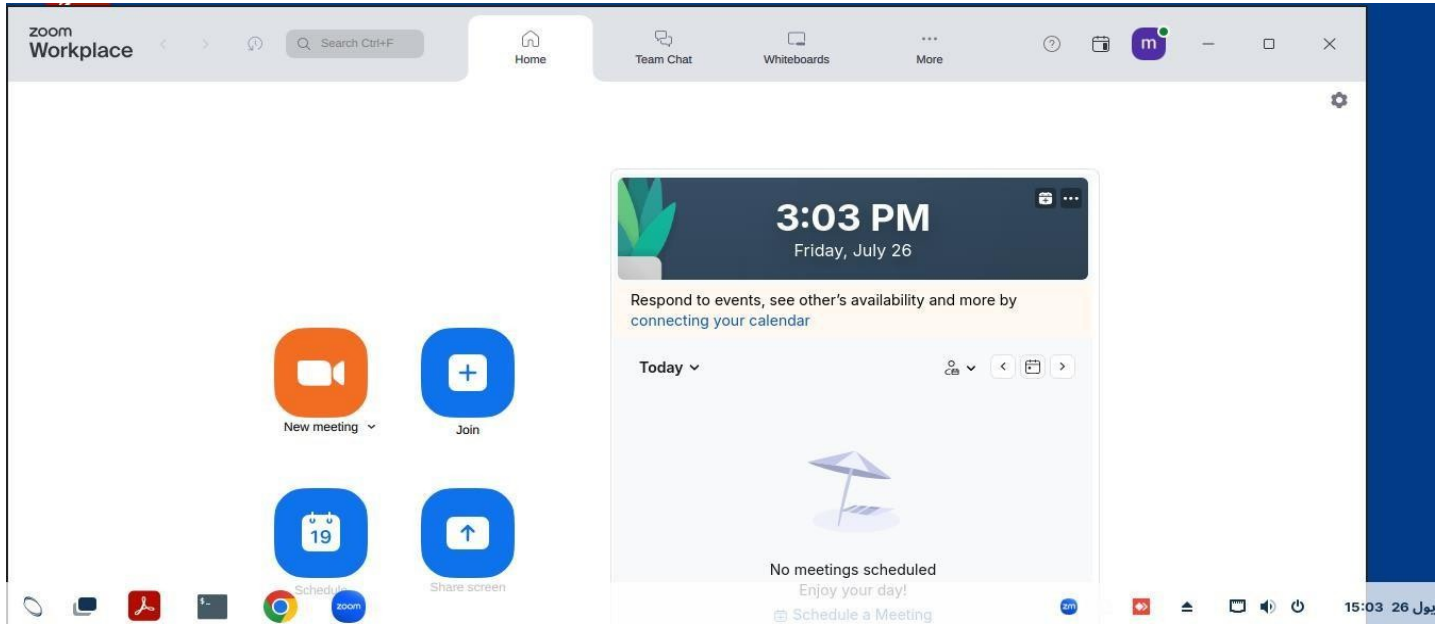
3.9. Adobe Reader



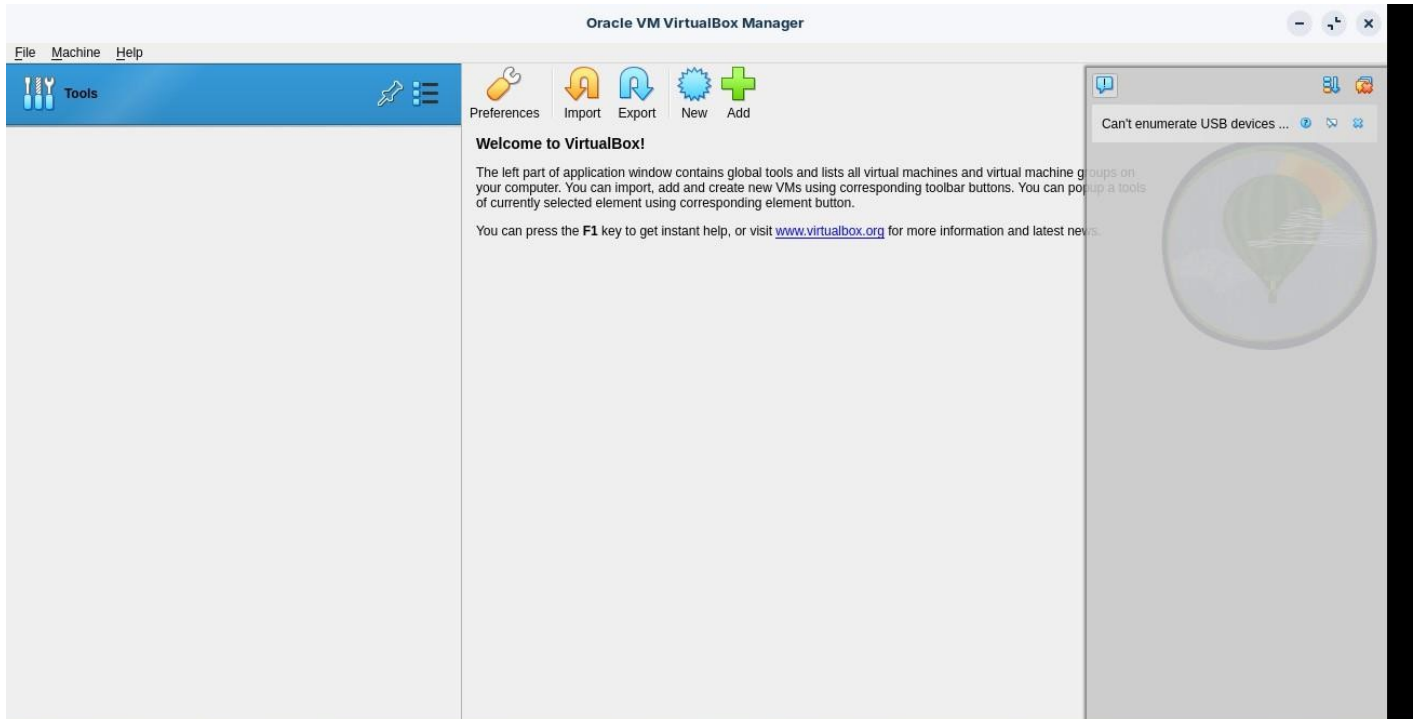
TresBizz POC OS Version 1.02 Date 15, July2024

In this updated version below, two more applications are installed.

3.10. Zoom Workplace



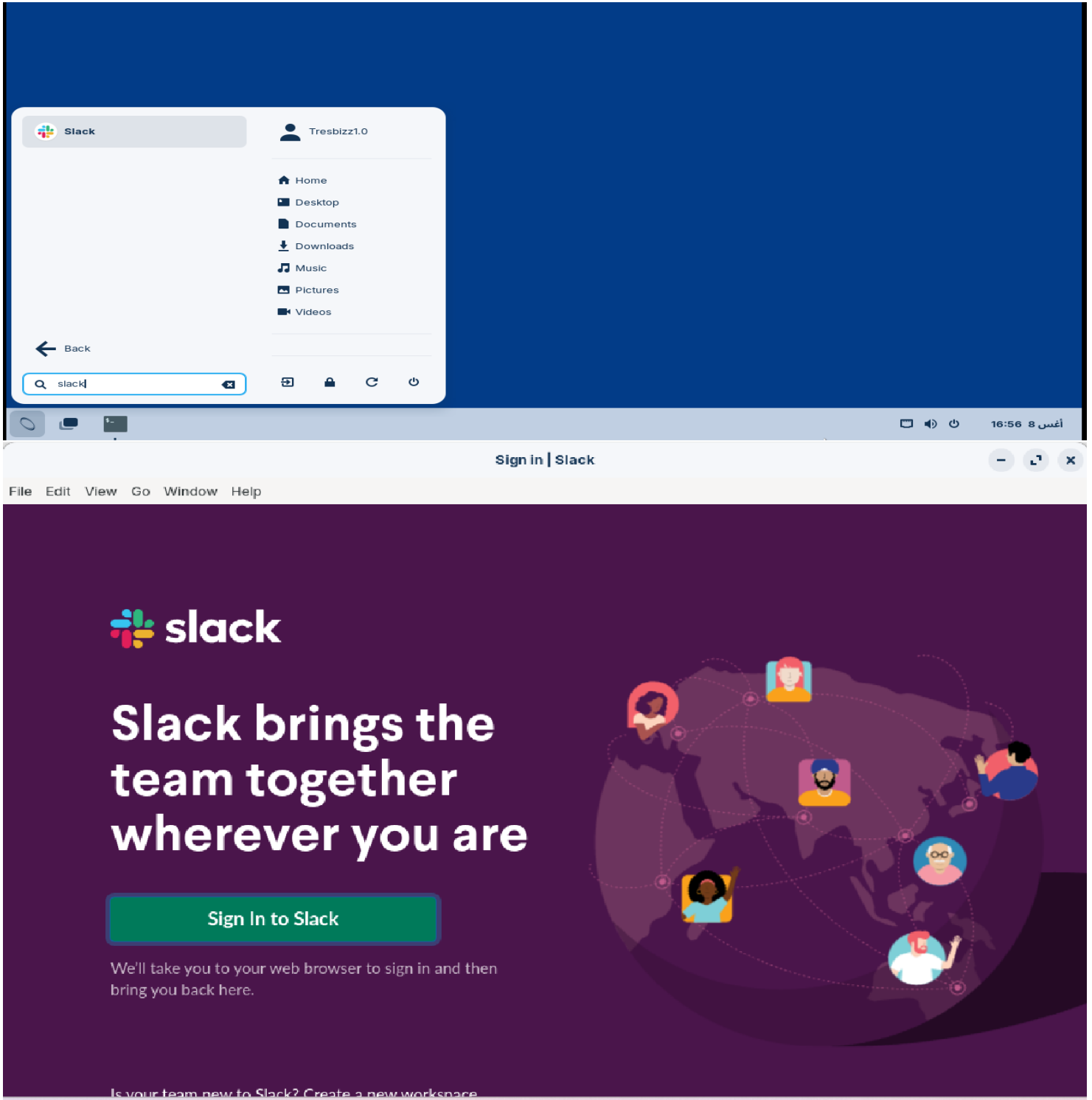
3.11. Oracle VM VirtualBox Manager



TresBizz POC OS Version 1.03 Date 08, Aug2024

In this updated version below, two more applications are installed.

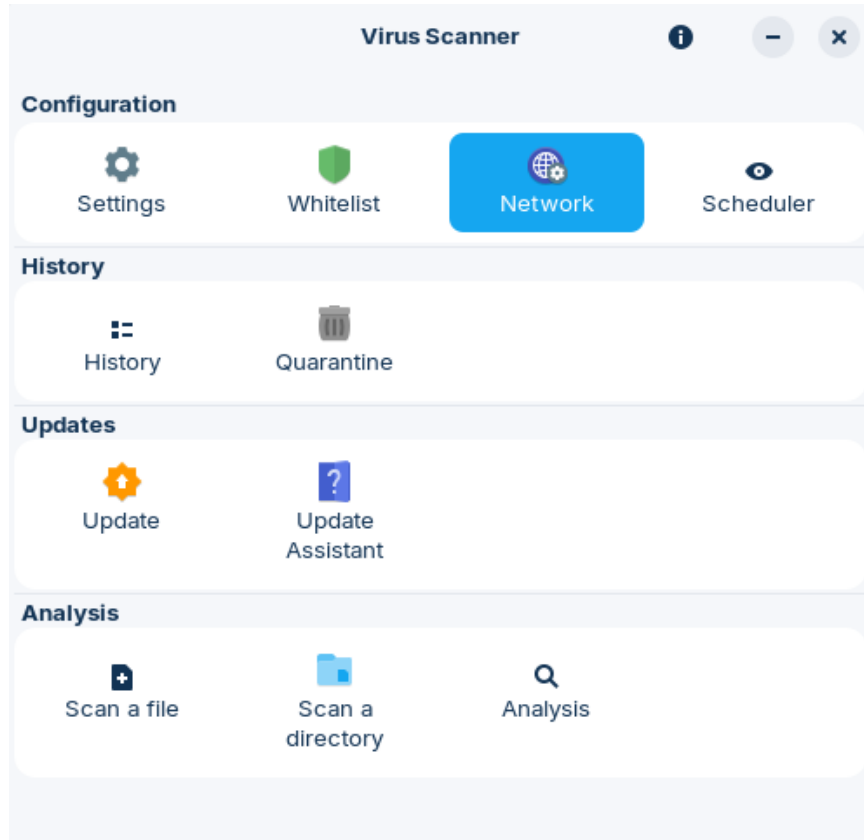
3.12. Slack



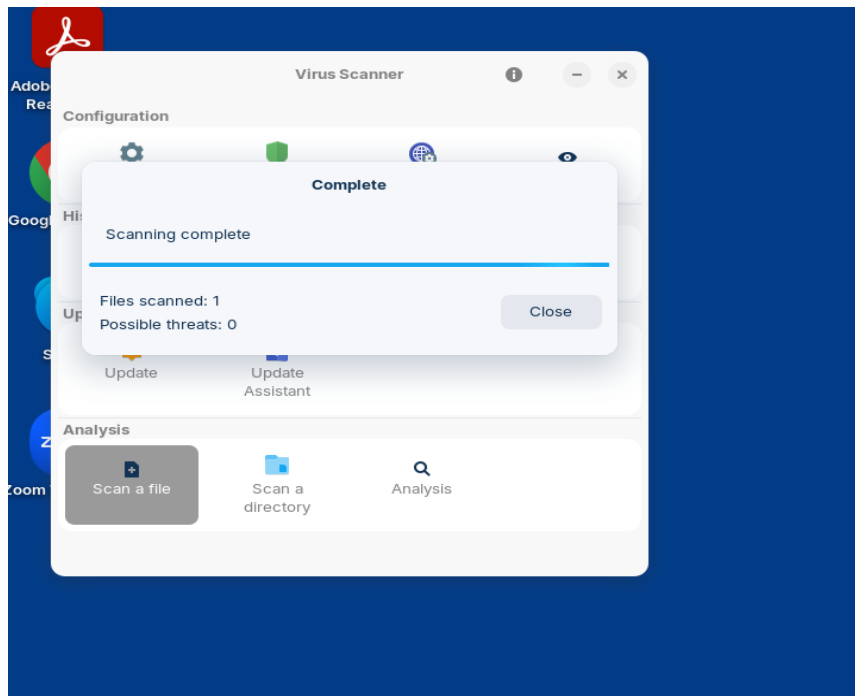
TresBizz POC OS V1.04 Date 16, Aug2024

In this updated version below, two more applications are installed.

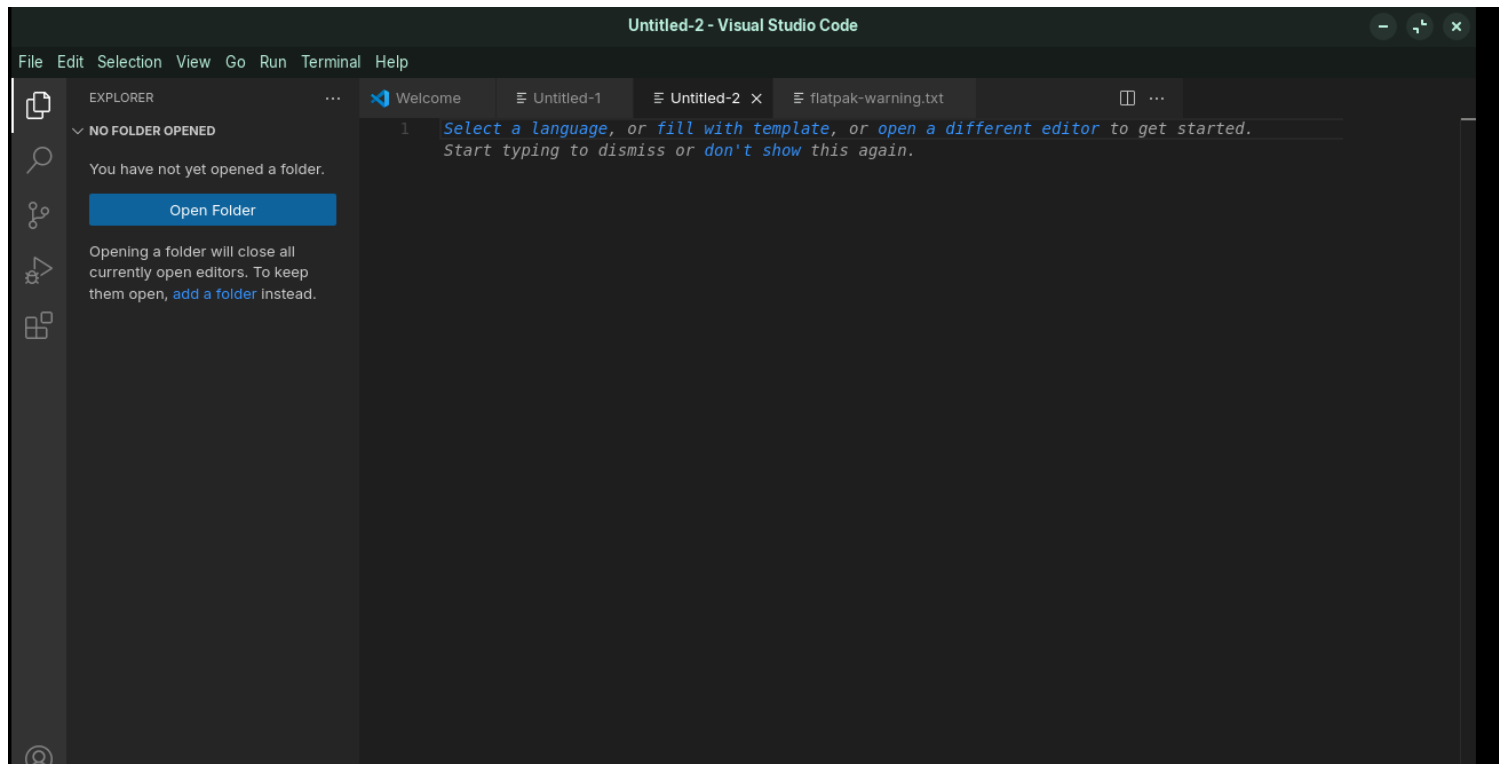
3.12. ClamAV



Scanning Files



3.13. Visual Studio Code

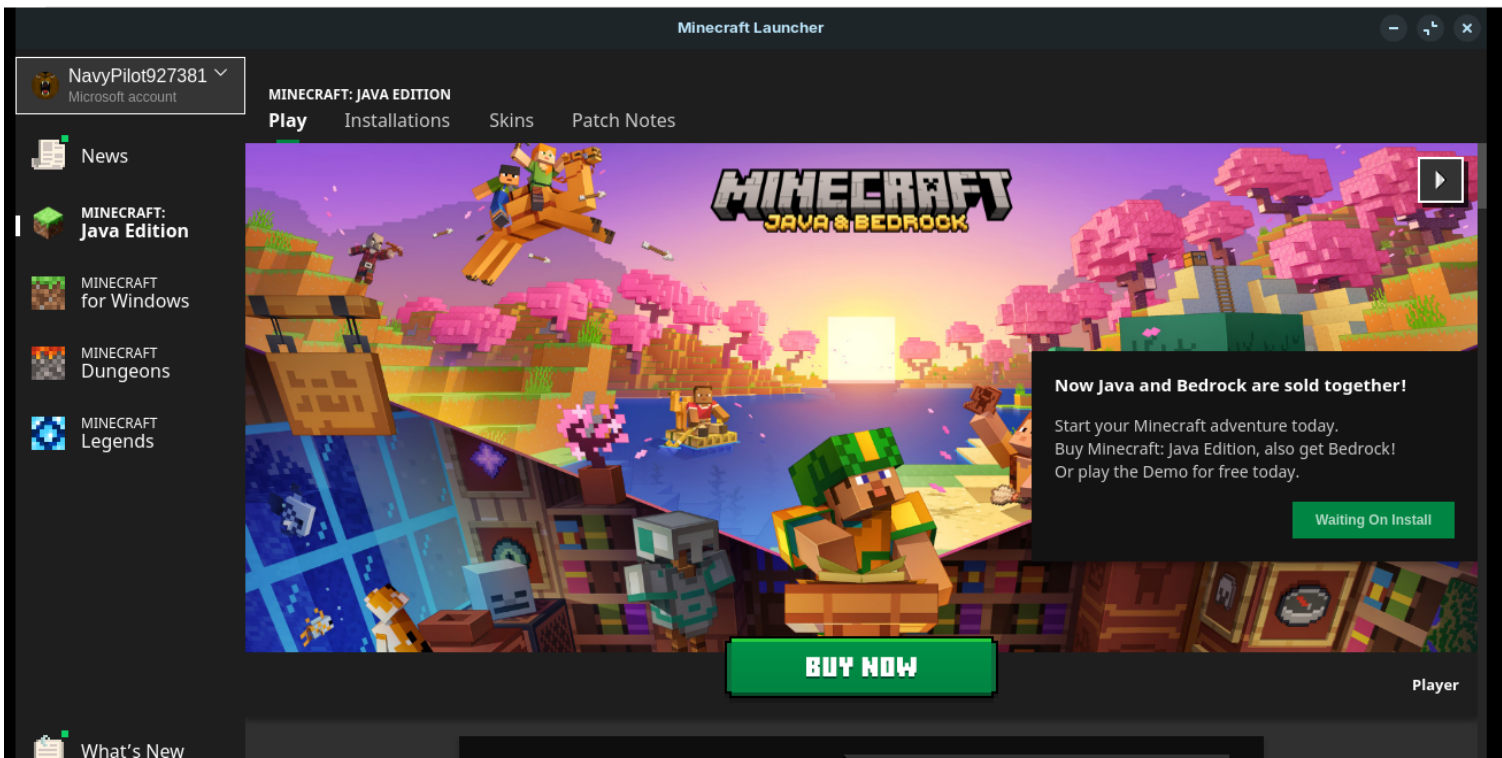


3.14. 0 A.D. (Gaming Application)





3.15. Minecraft Launcher (Gaming Application)



4. Utilization of the CPU

When multiple tabs in Chrome or different applications are opened, CPU and RAM usage increases as the system needs to process more tasks and handle more data.

During the demo, we will give direct/live the CPU and RAM utilization.