**INFORMATION SECURITY**



**Session 2023 - 2027**

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**Course:**

Information Security

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**Lahore Pakistan**

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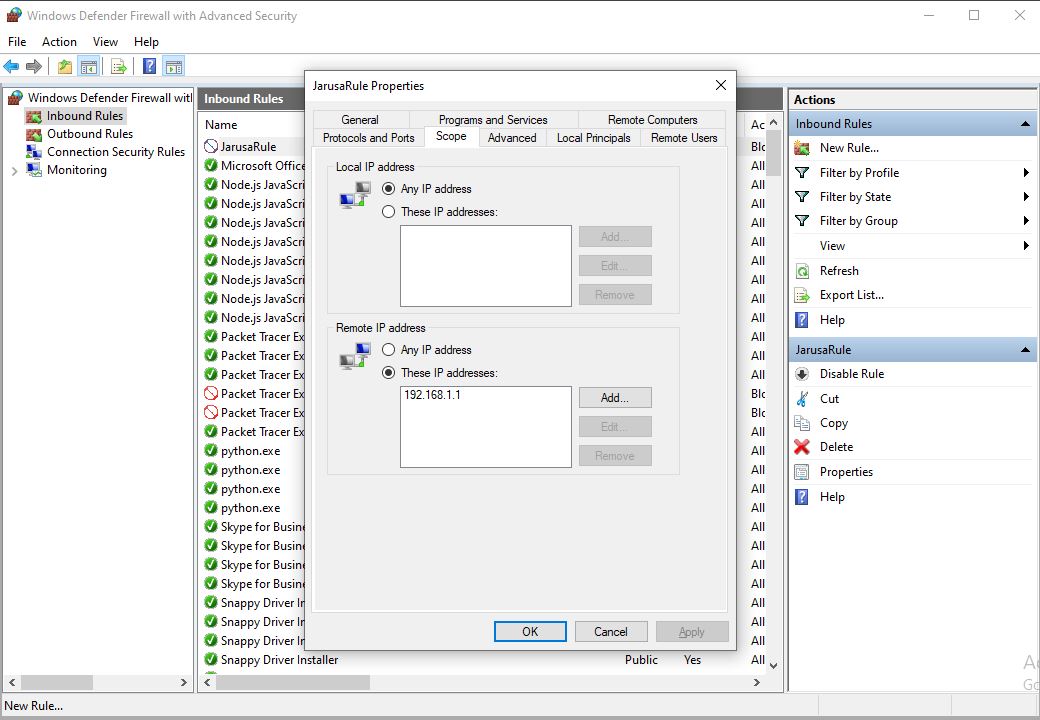
Implementing Windows Firewall

# **Windows Firewall:**

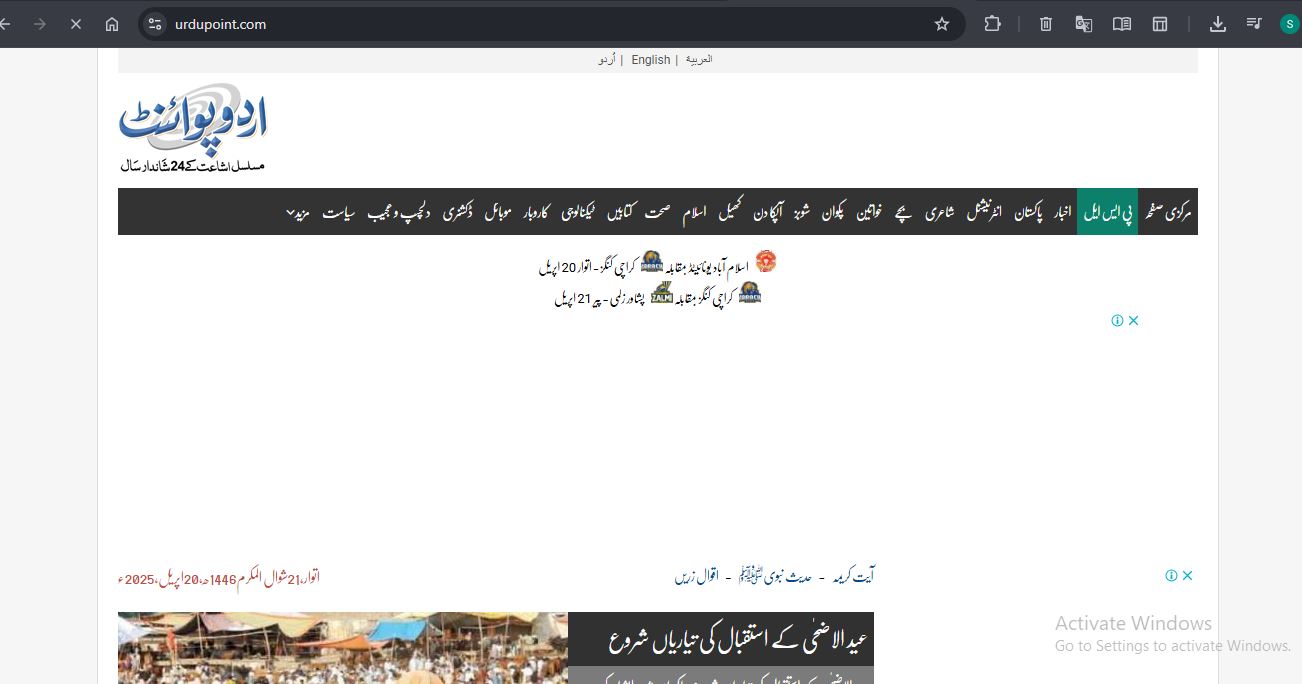
**Windows Firewall** is a built-in security tool by Microsoft that filters network traffic to and from your system, blocking potentially harmful data or programs. A **firewall**, whether software or hardware-based, controls information entering your computer from the internet. If incoming data doesn't meet the filter rules, it is blocked.

# **Practical Implementation:**

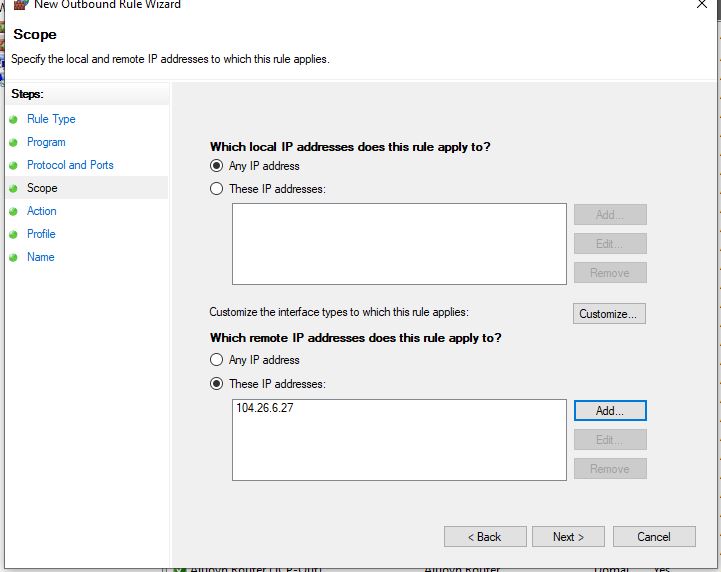
## **Block Incoming Traffic:**



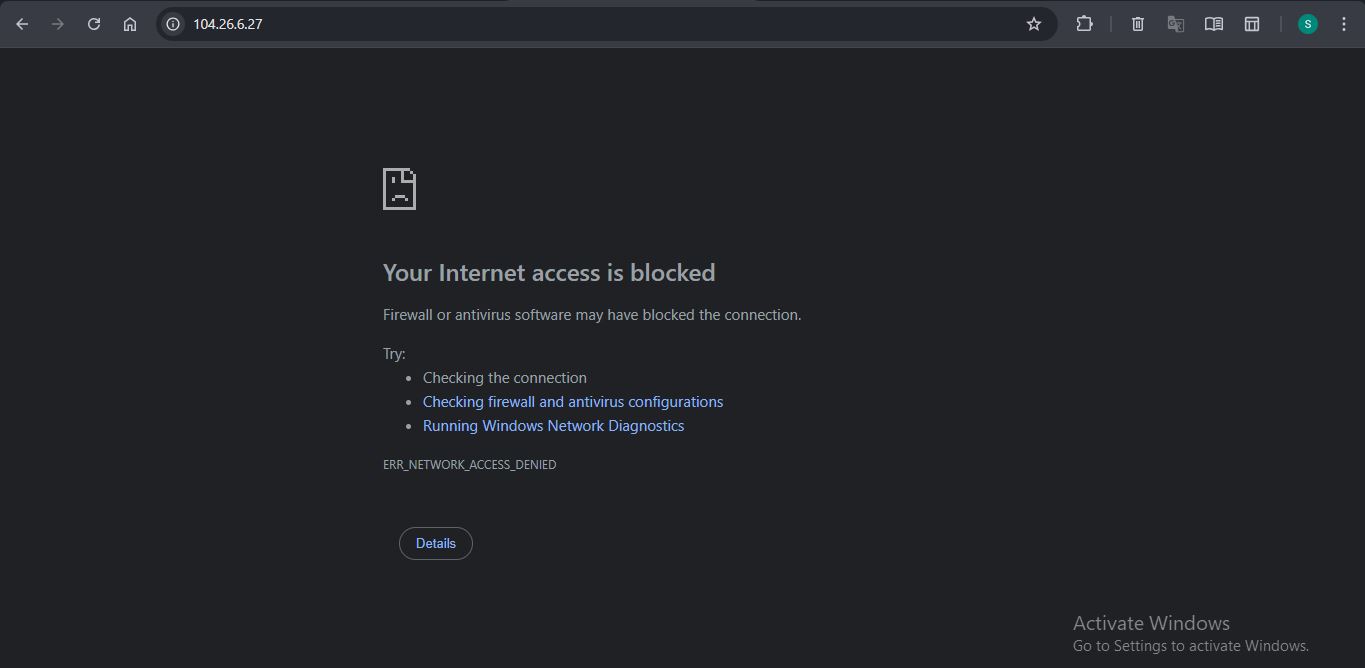
As a result, no effect is produced since it only blocks incoming traffic



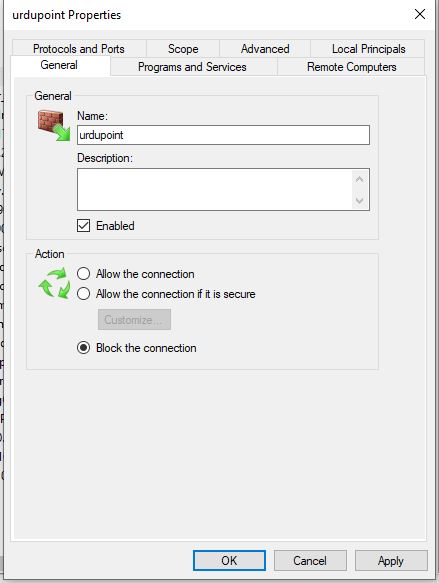
## **Block outgoing Traffic:**



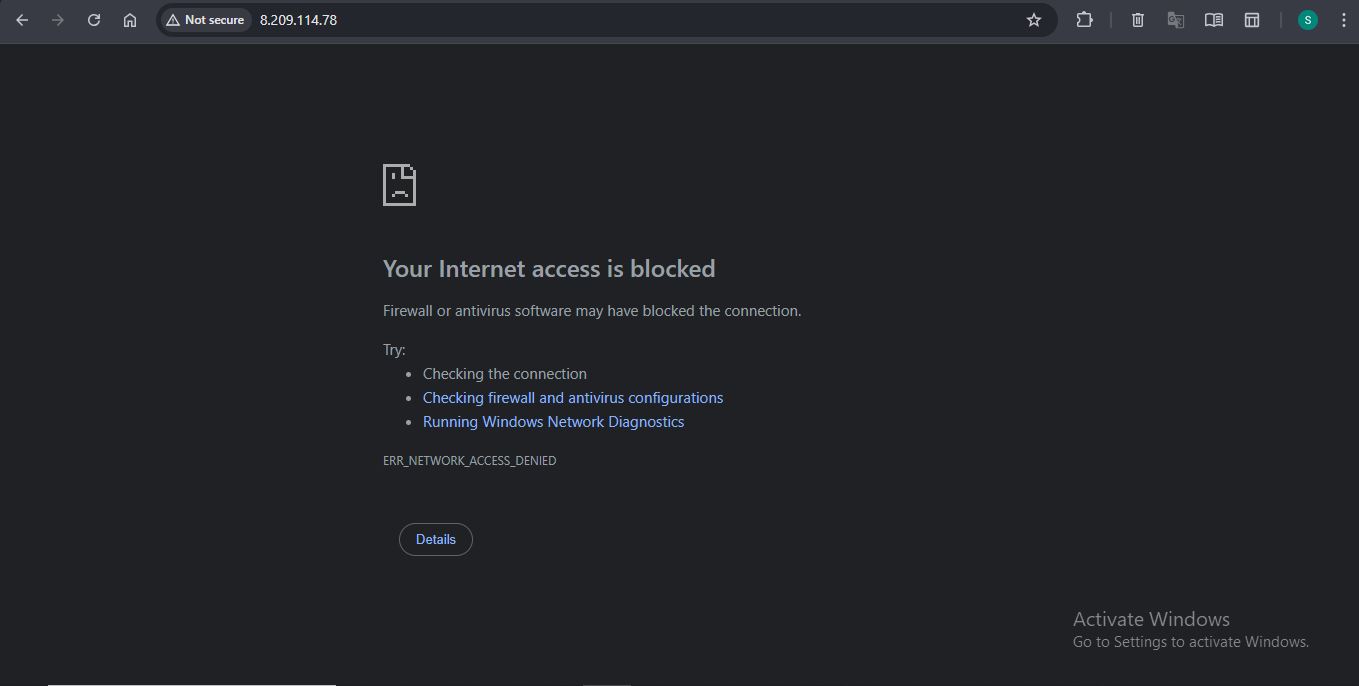
**As a result, Access denied at urdupoint.com**

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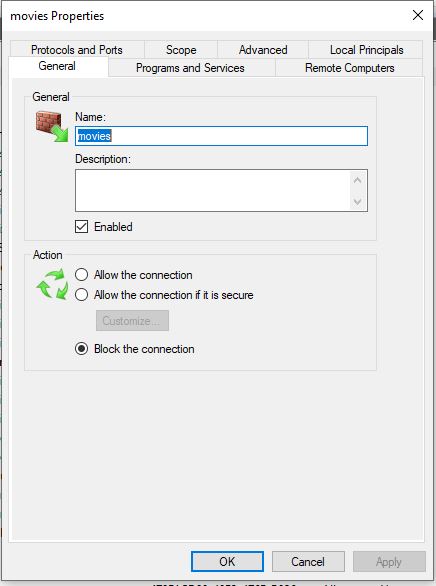
## **Blocking port 80 for outgoing traffic:**



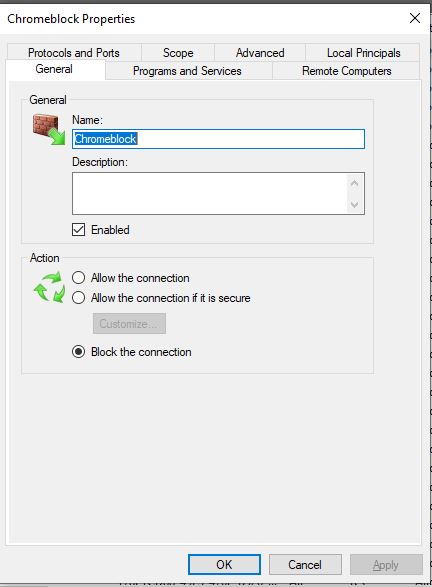
As a result, the access is blocked from browser now



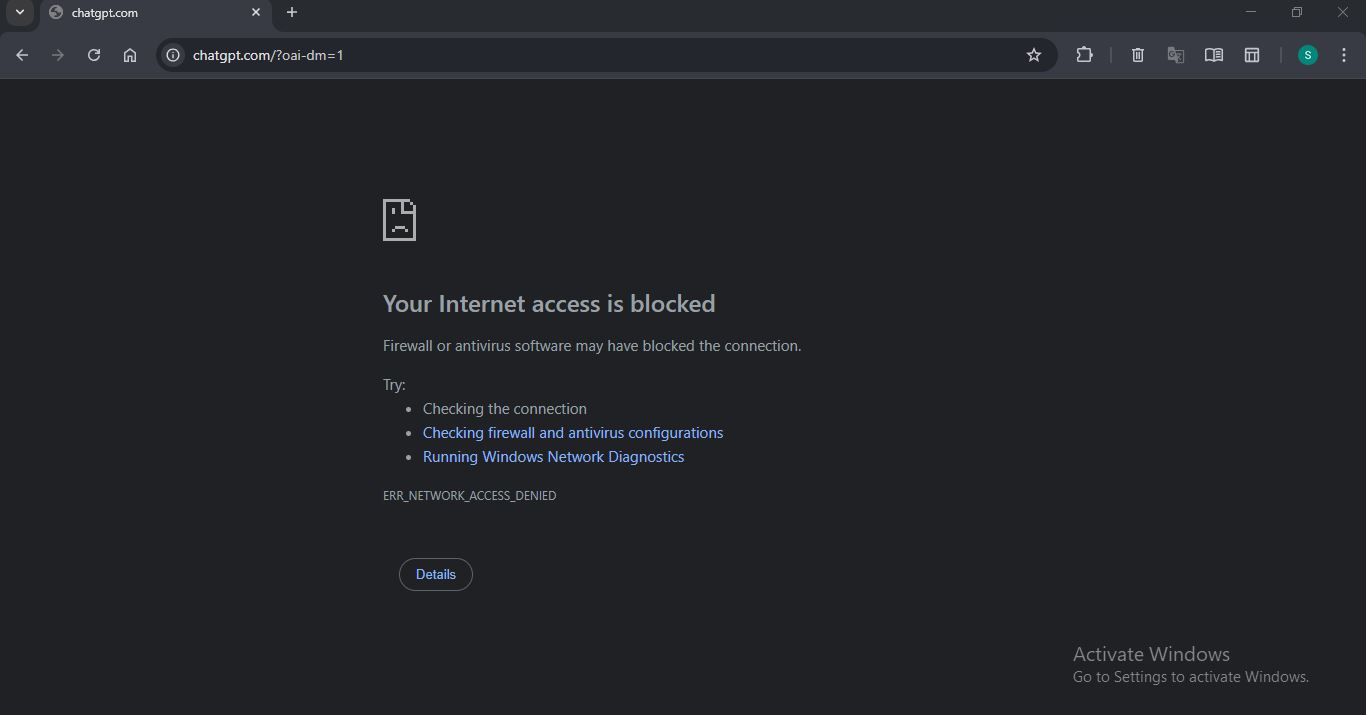
## **Block all UDP ports:**

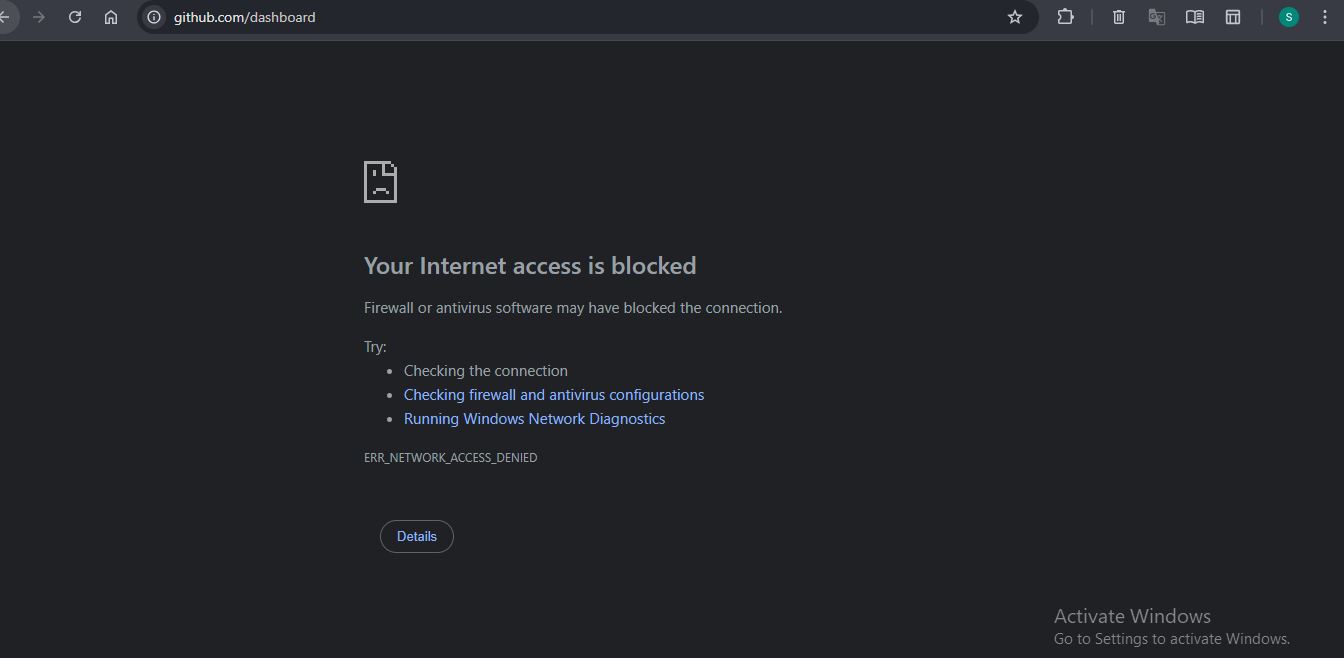


## **Blocking Chrome on Computer:**

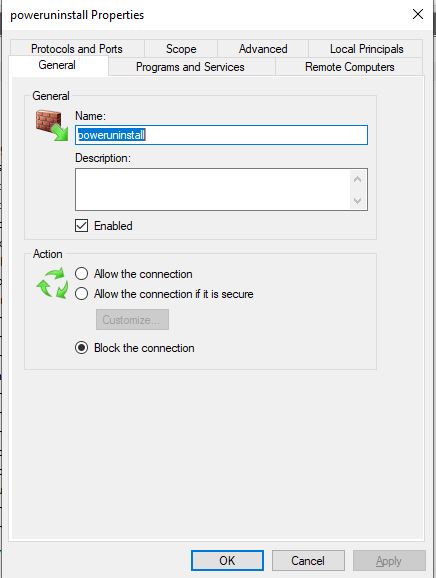


As a result, no software is working on chrome now





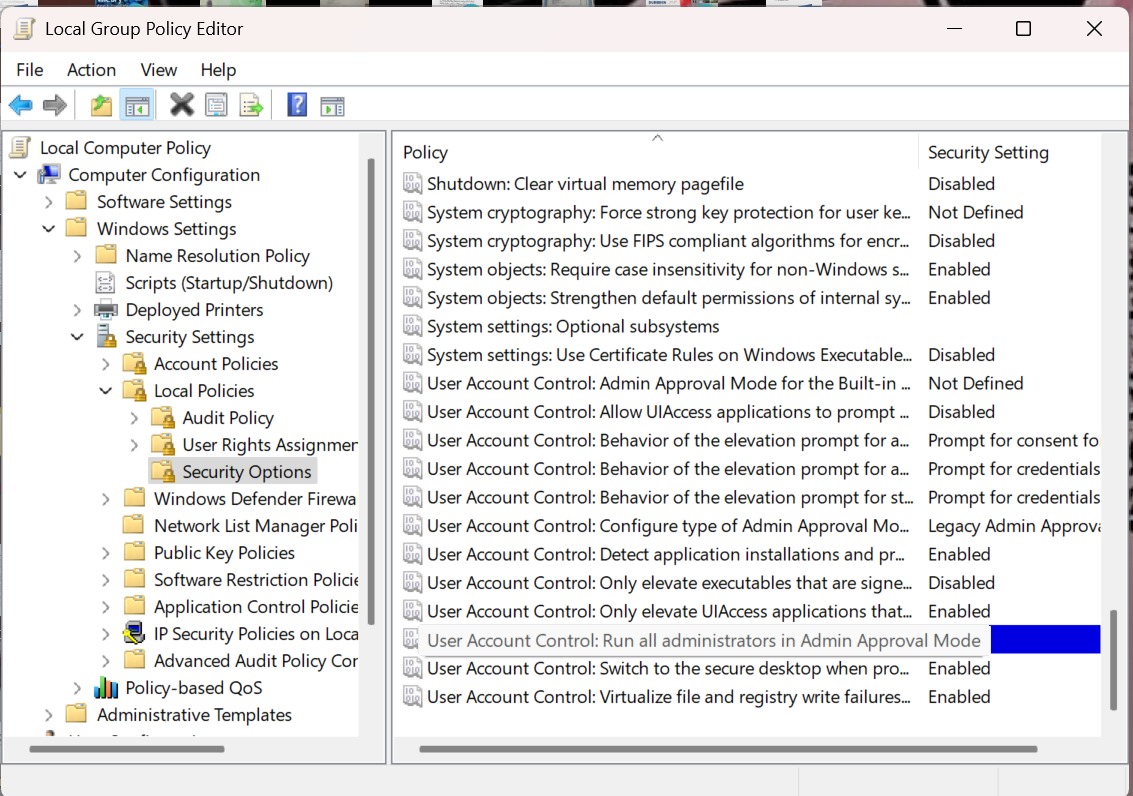
## **Block installation of Unlicensed Software**



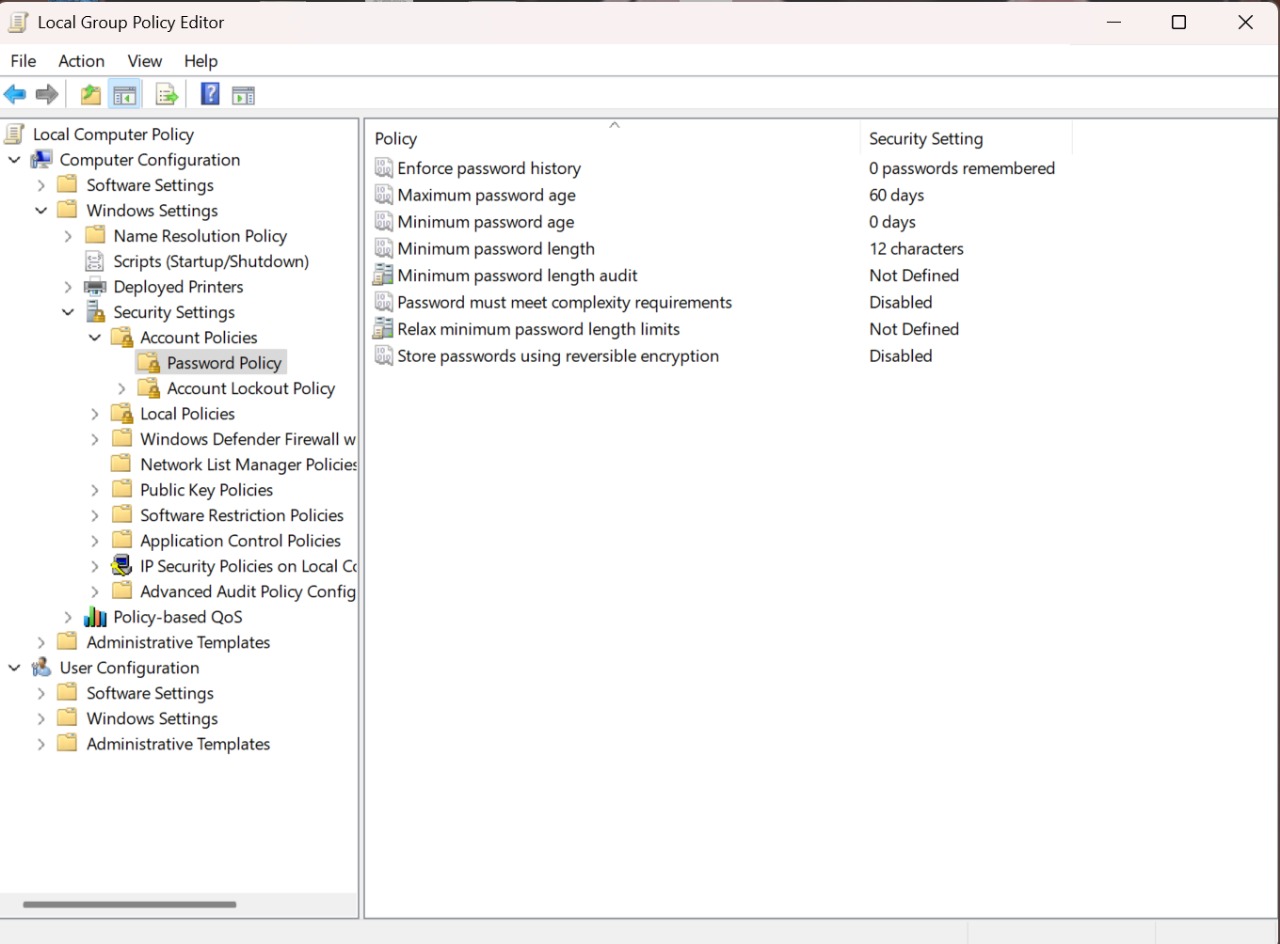
Now it is not able to execute.

# **Security policy design and implementation**

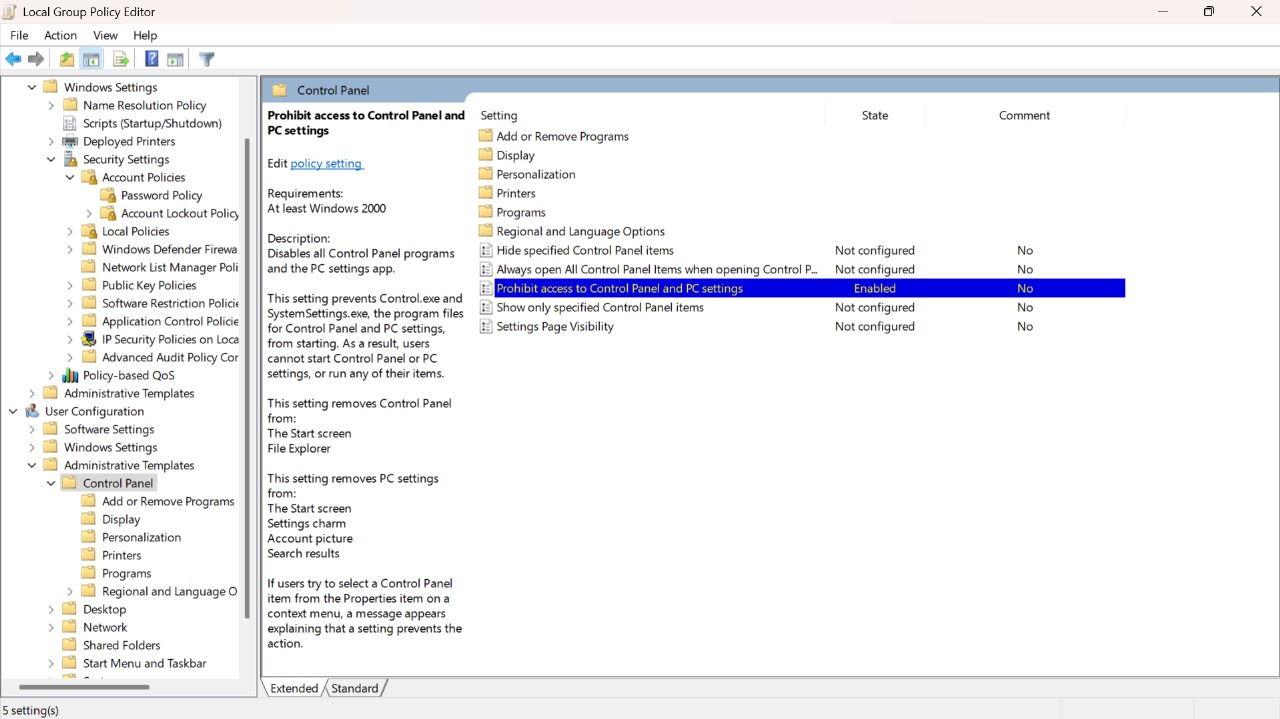
## **Policy Options**



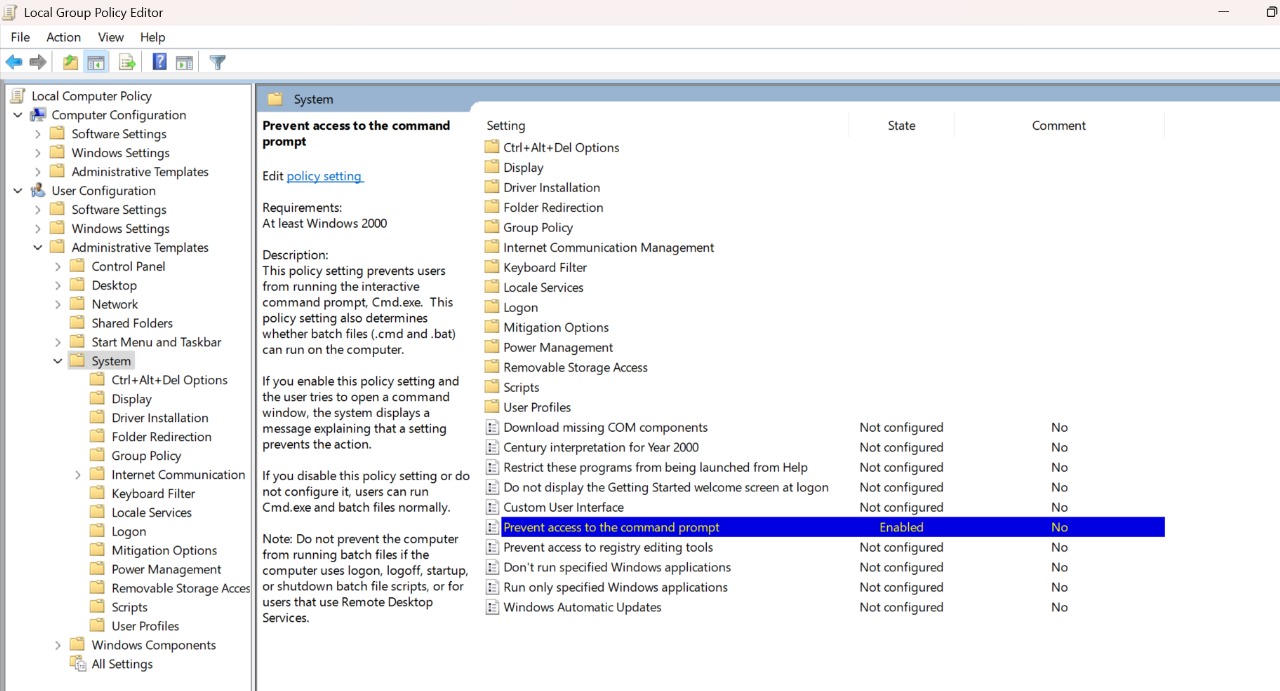
## **Password Policies**



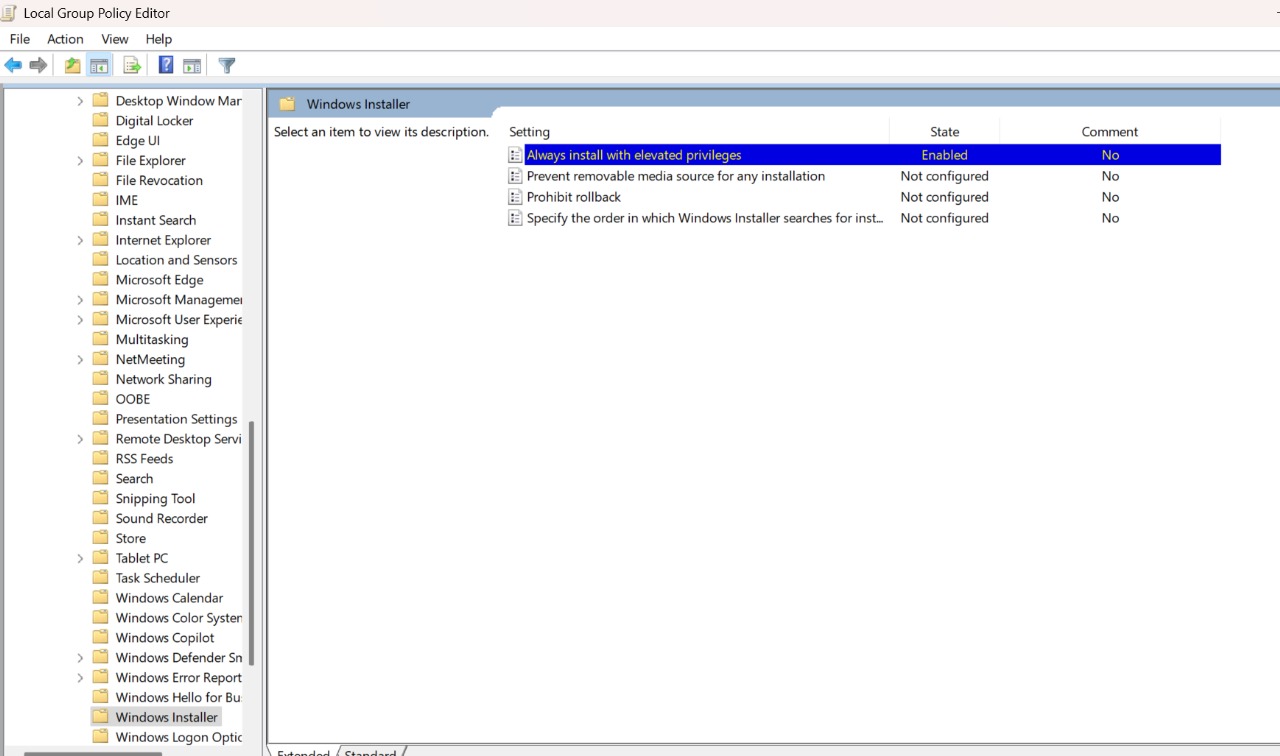
## **Control Panel**



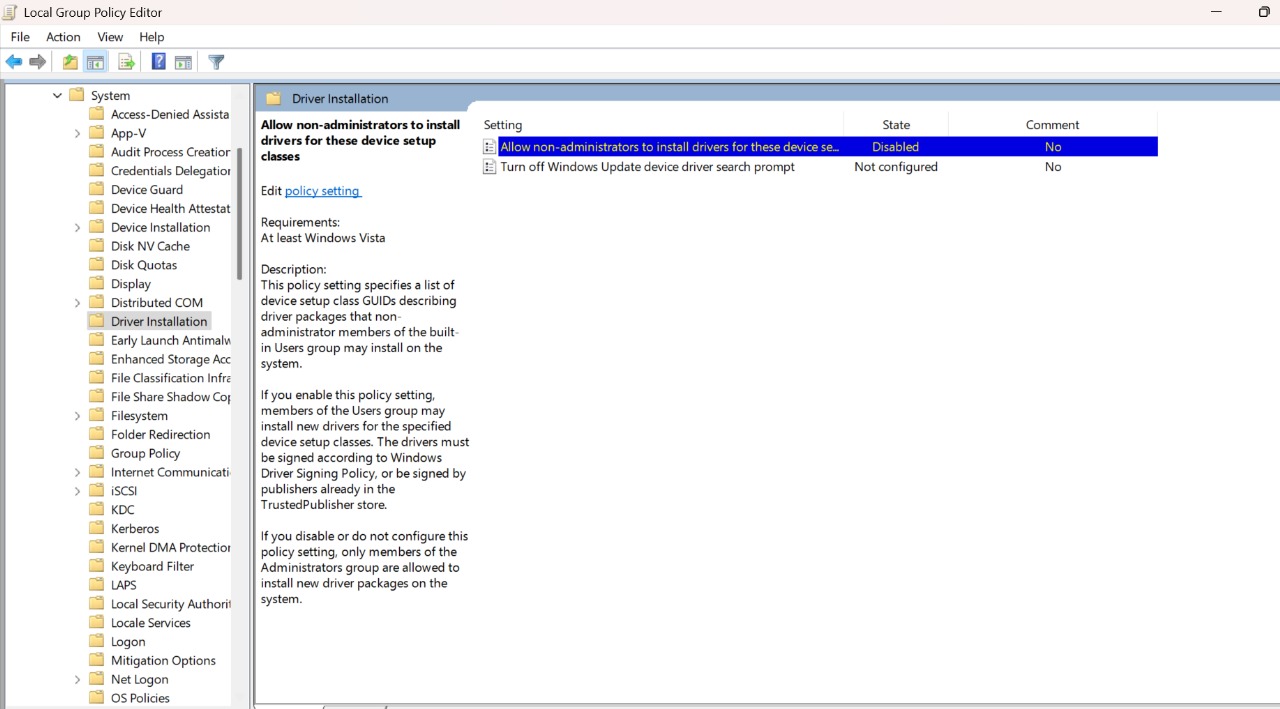
## **Restrict Access to Command Prompt**



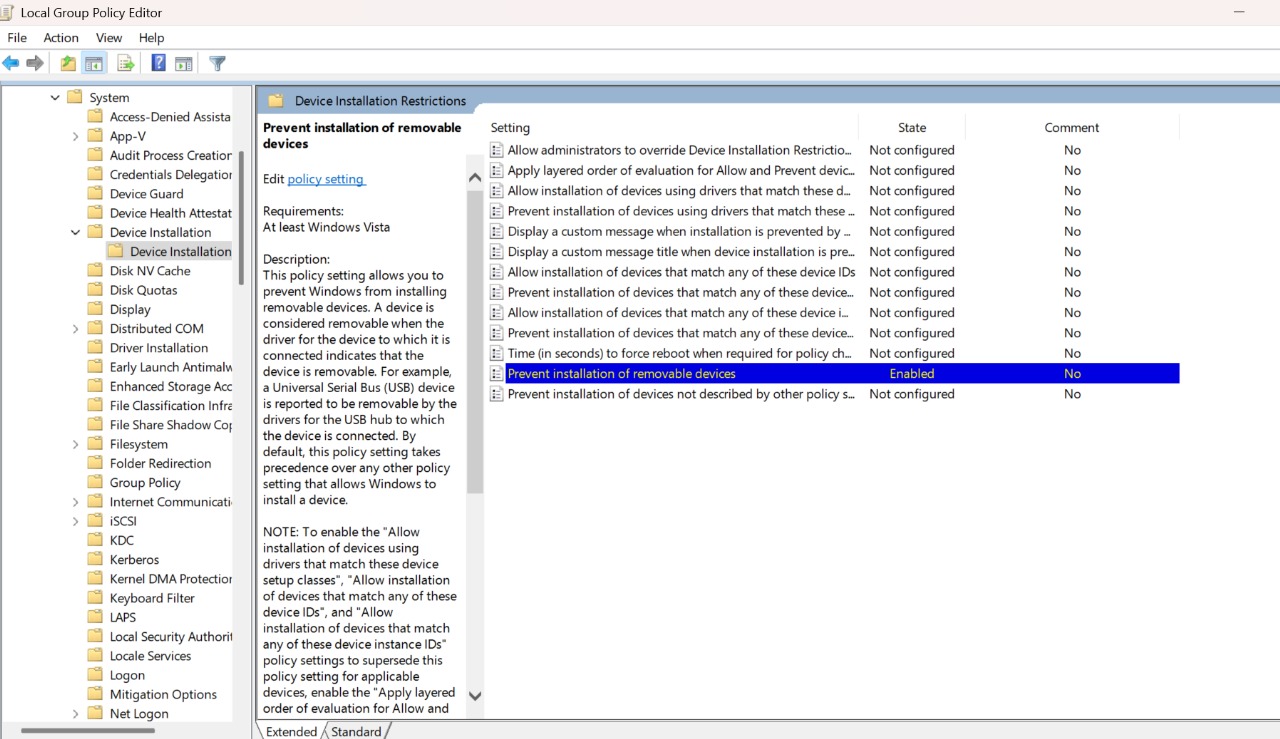
## **Restrict Software Installations**



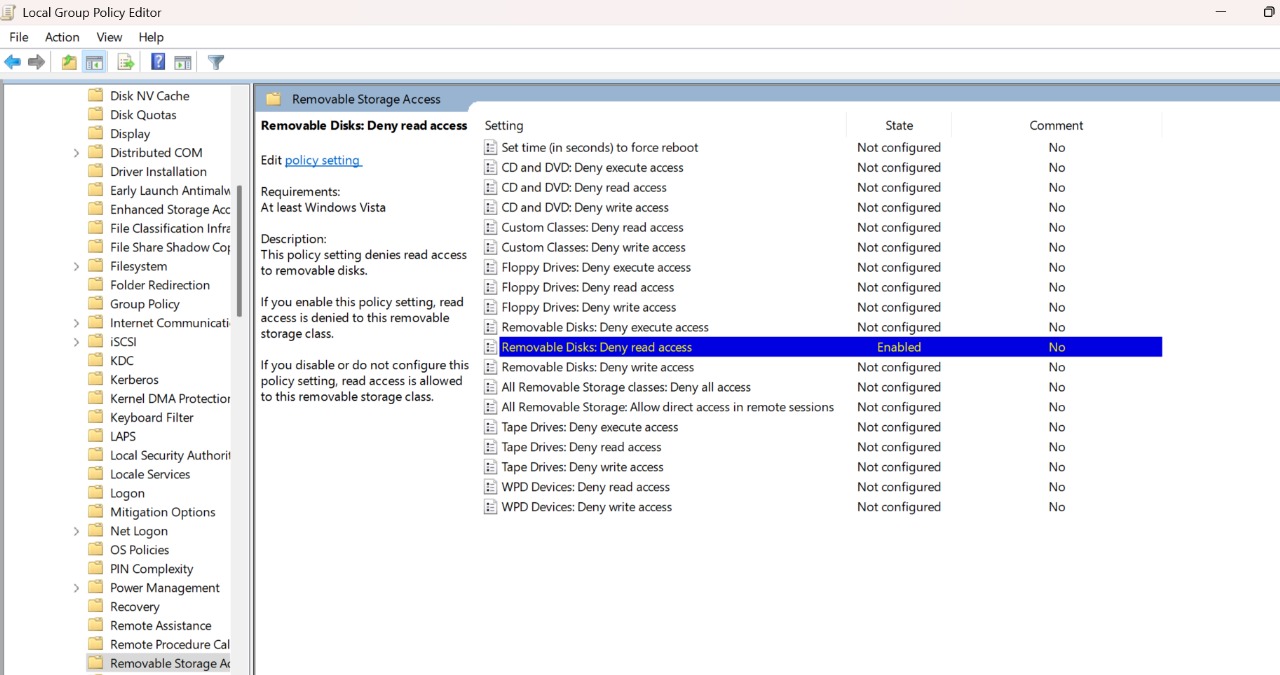
## **Disable Automatic Driver Update**



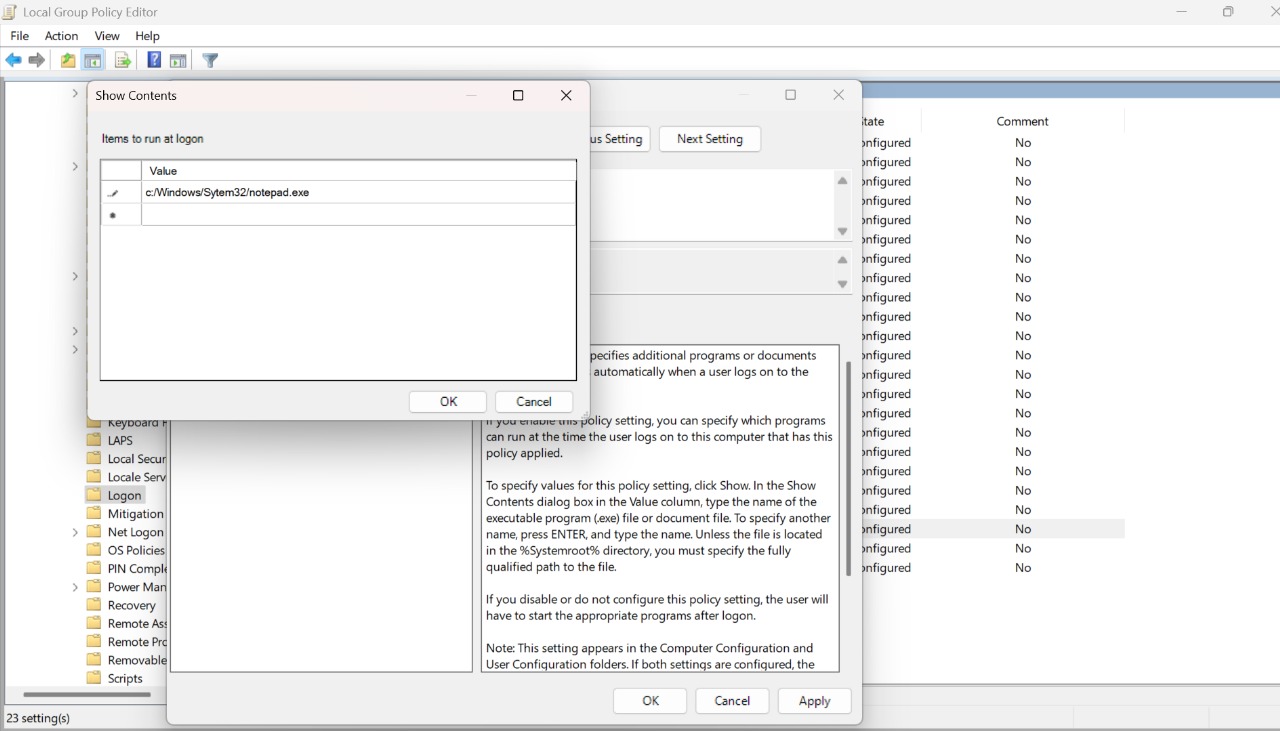
## **Disallow removable media drives**



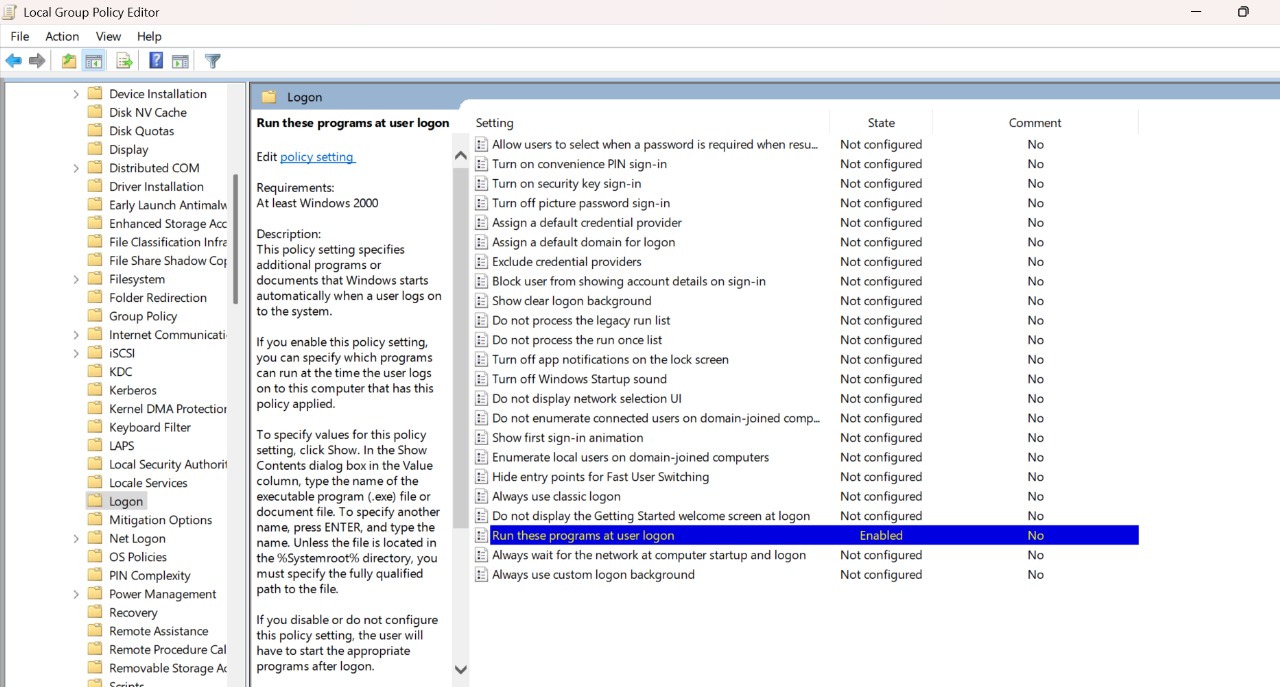
## **Restrict Access of removable devices**



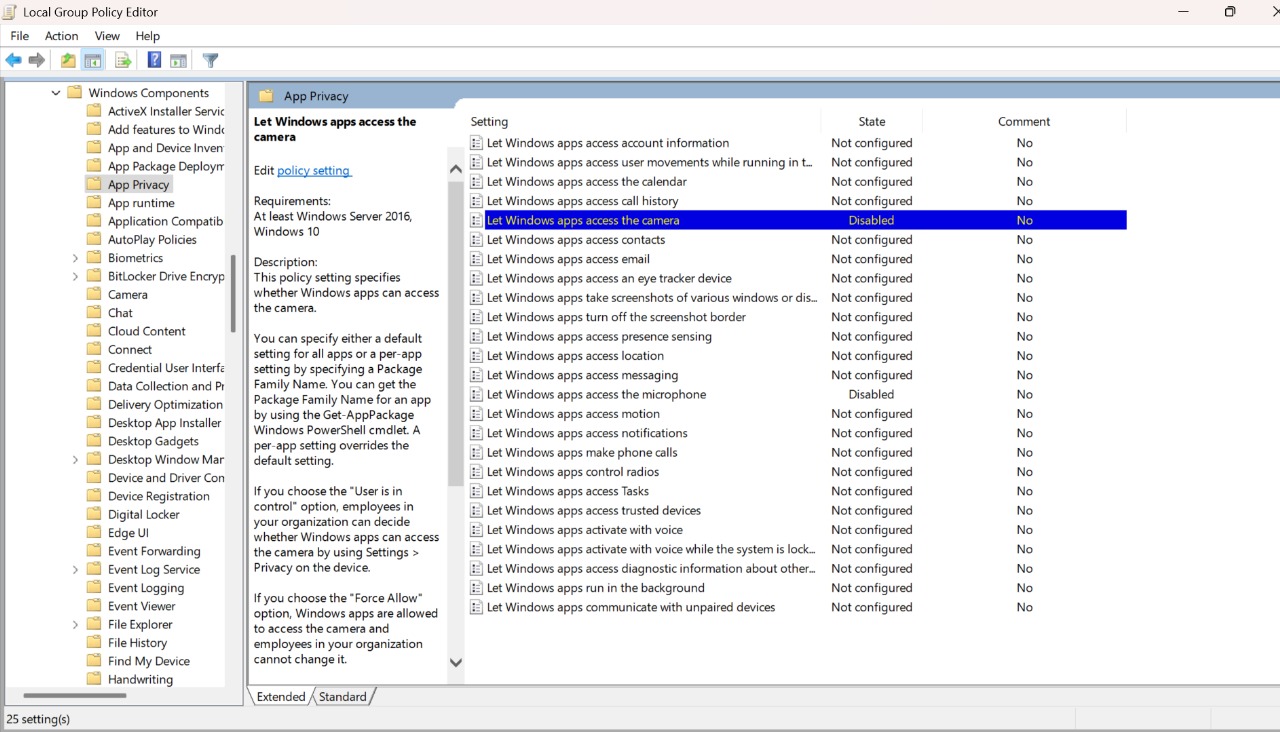
## **Fast Startup**



## **Application Start at Log On**



## **Applications Access**



## **AutoPlay**

