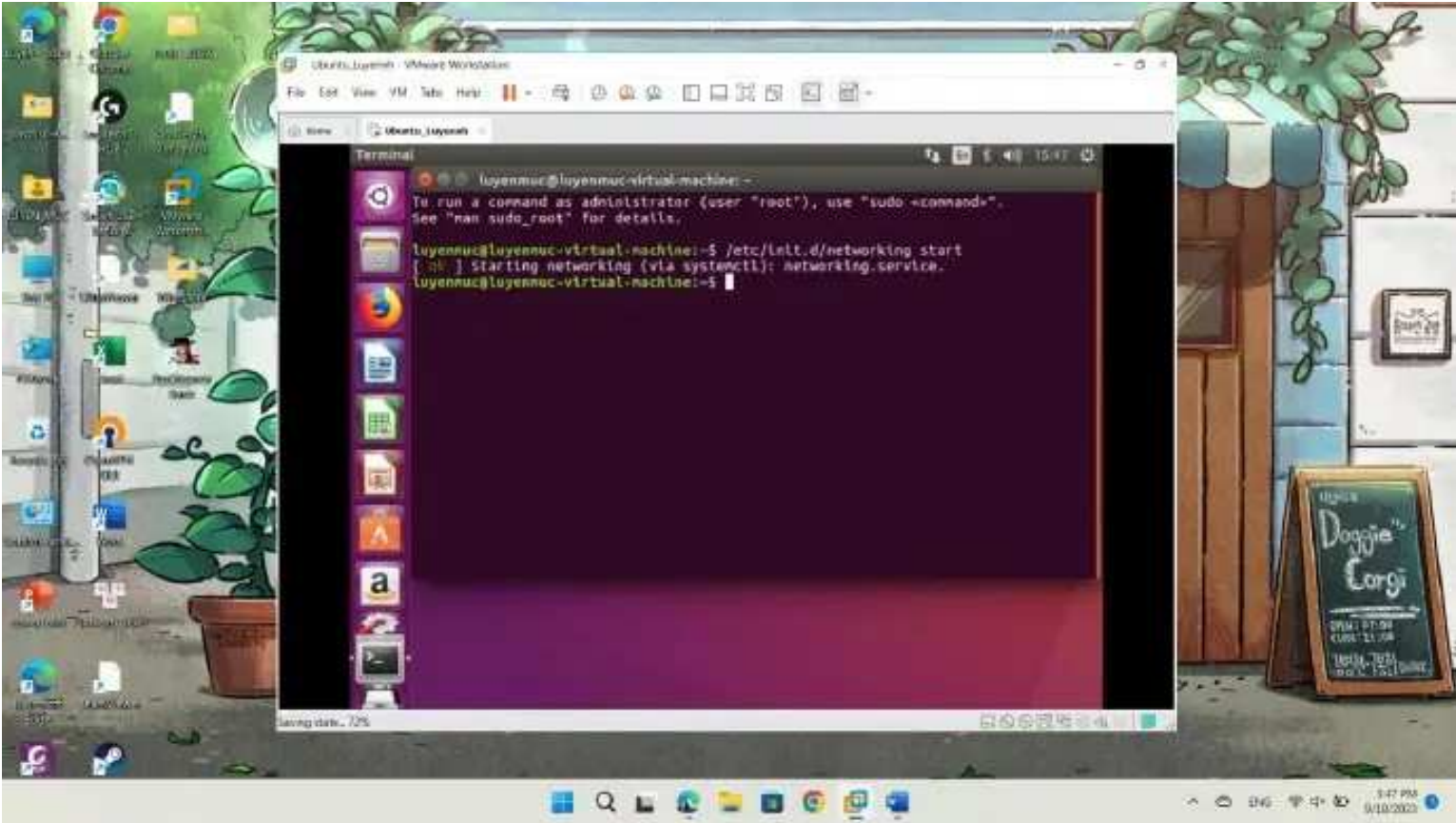


LAB 4

Nguyễn Hồng Luyện_SE172617

Lab 4.1

Khởi động card mạng trong ubuntu lại trong máy ảo:



Cập nhật và cài các thư viện cần thiết cho cài đặt ClamAV.

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Storage

Targeted Advertising

Personalization

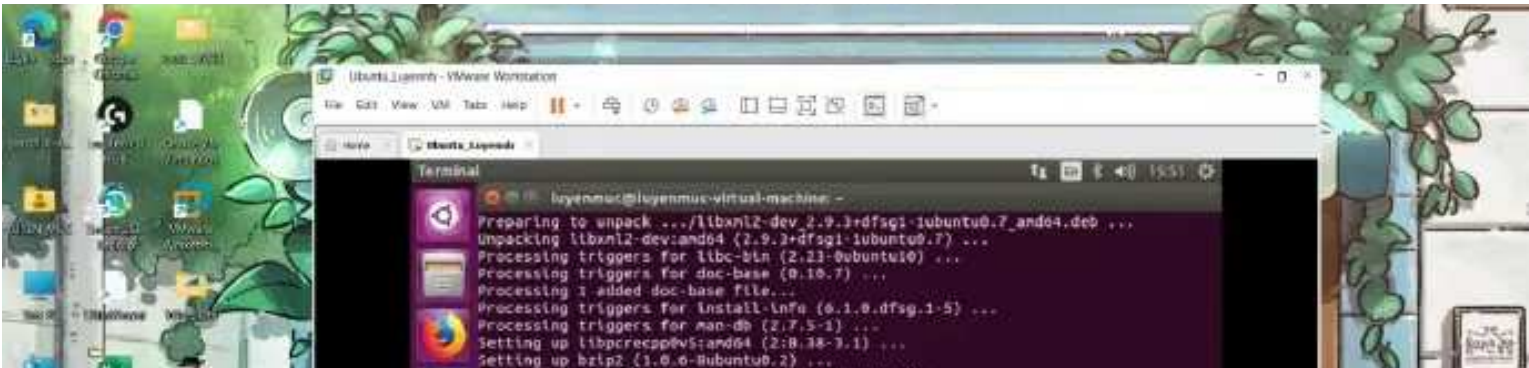
Analytics

Save preferences

Accept All

Reject Non-Essential





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Storage

Targeted Advertising

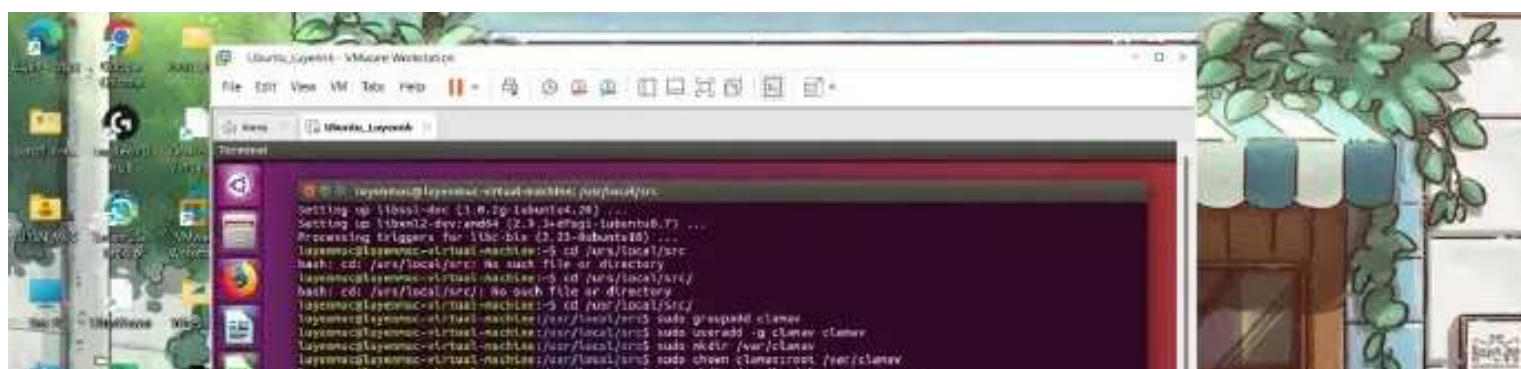
Personalization

Analytics

Save preferences

Accept All

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X

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Storage

Targeted Advertising

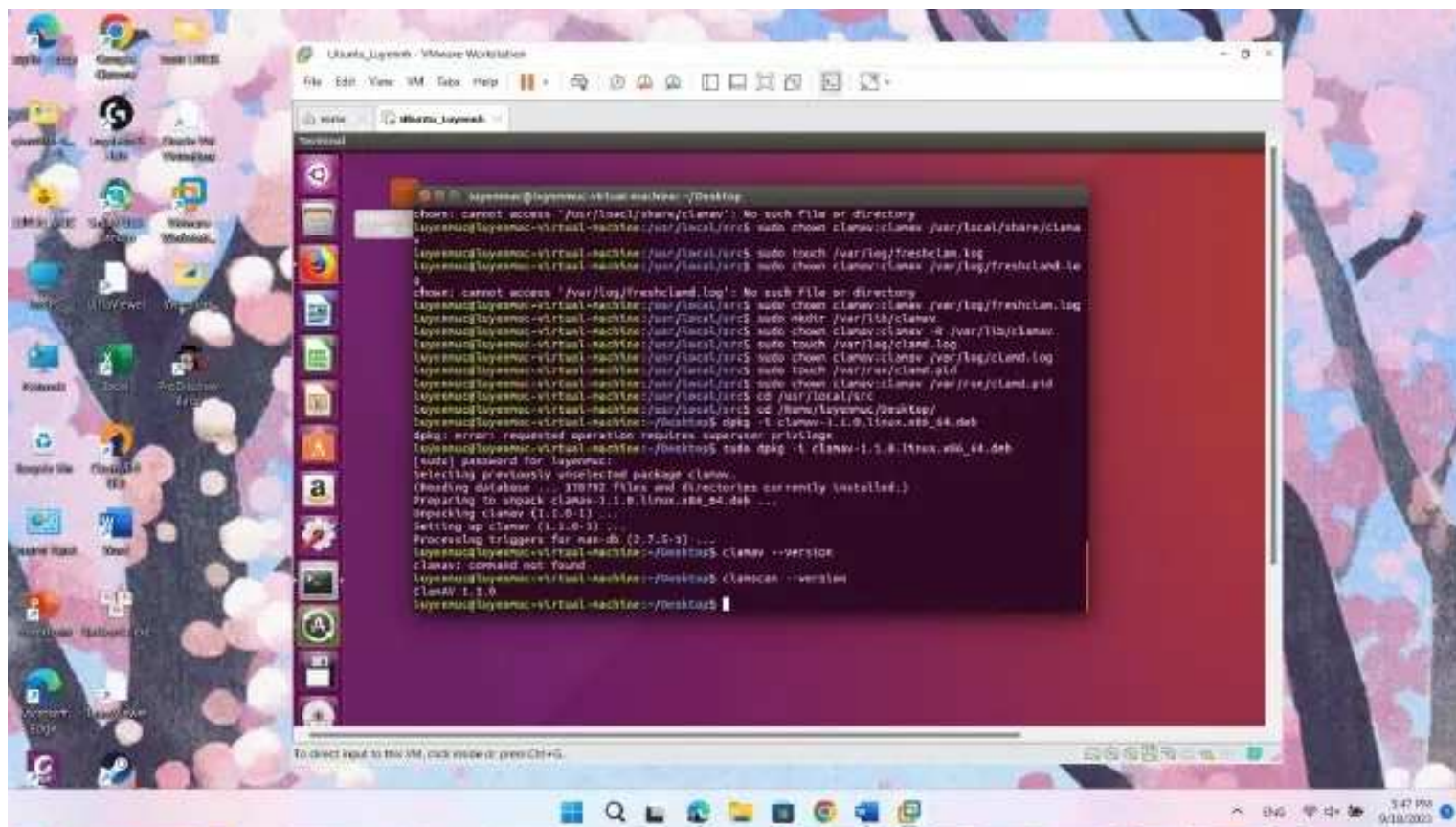
Personalization

Analytics

Save preferences

Accept All

Reject Non-Essential



Di chuyển tới thư mục `/usr/local/etc` bằng câu lệnh `cd /usr/local/etc`, sau đó kiểm tra bằng câu lệnh `ls -la` ta có thể thấy hai file là `clamd.conf.sample` và `clamd.conf.sample`



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Personalization

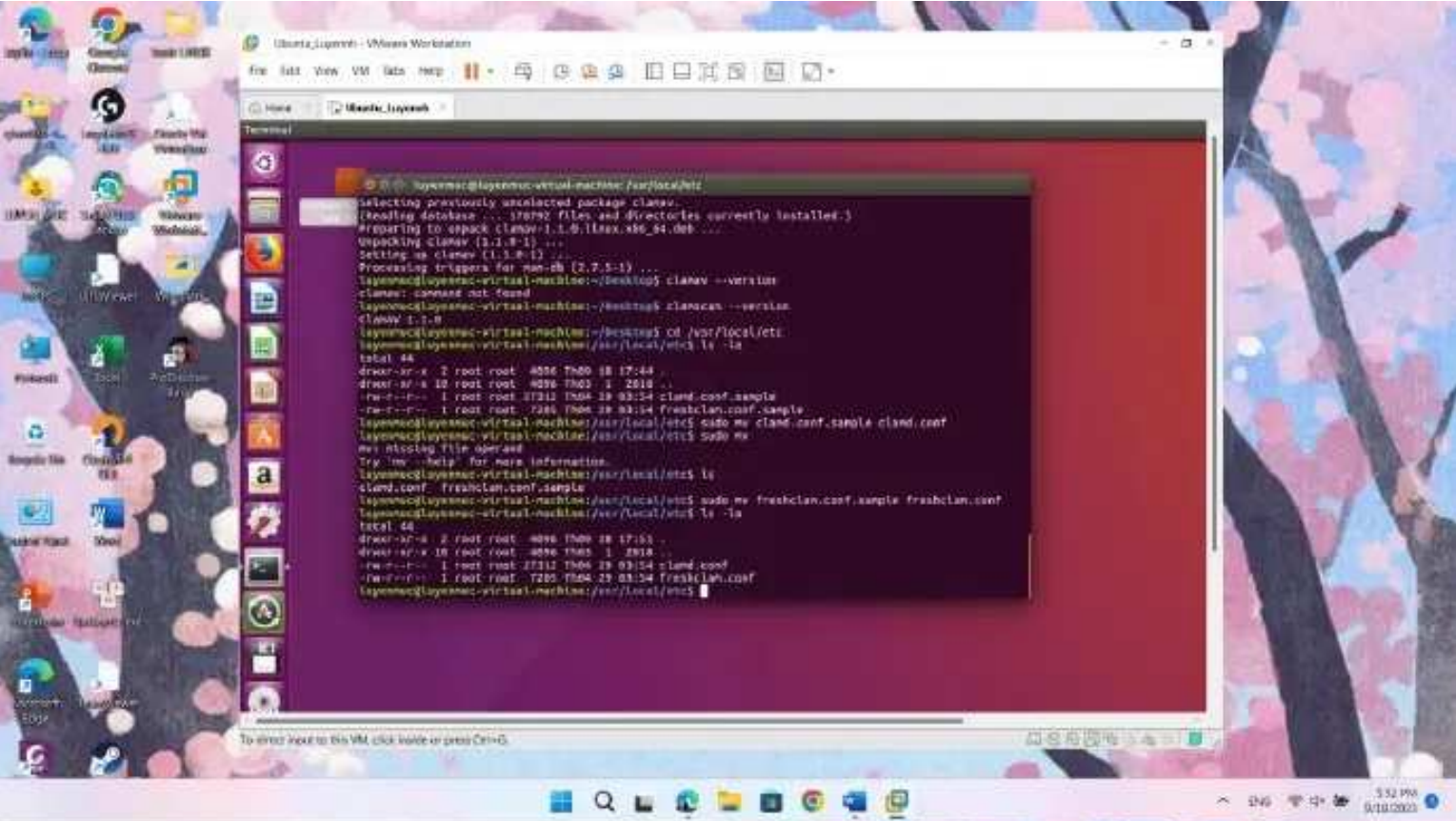
Analytics

Save preferences

Accept All

Reject Non-Essential

file cũ> <tên file mới>



Dùng lệnh sudo nano clamd.conf (xóa example hoặc thêm hashtag trước example) Sau đó nhấn Ctrl S rồi Ctrl X để thoát:



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Storage

Targeted Advertising

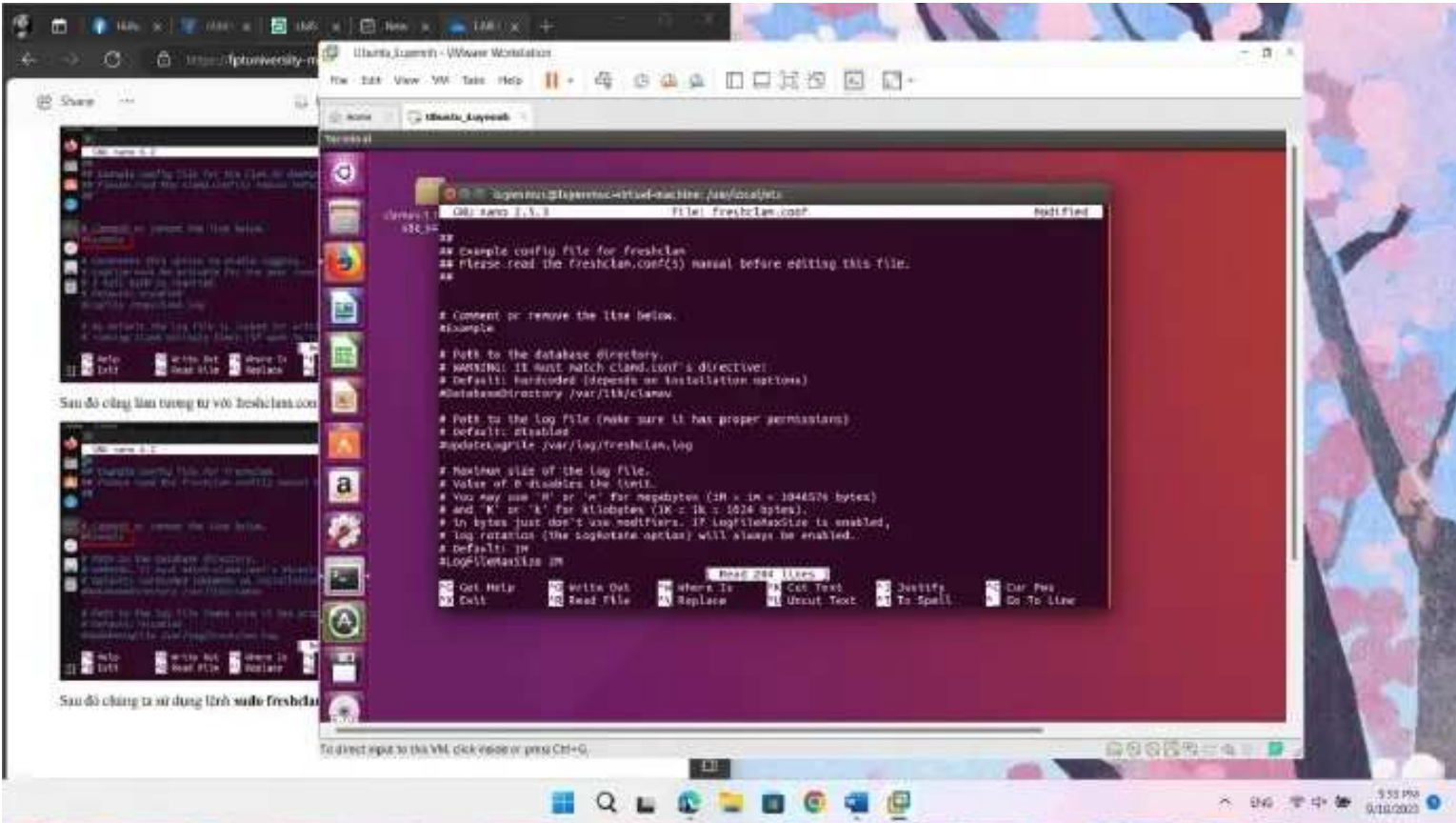
Personalization

Analytics

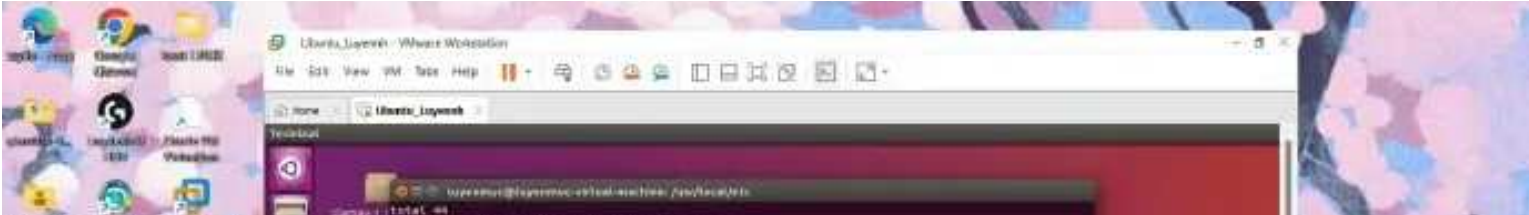
Save preferences

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Sau đó chúng ta sử dụng lệnh sudo freshclam để download các file cài đặt ClamAV



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[Third Parties](#)

Storage

Targeted Advertising

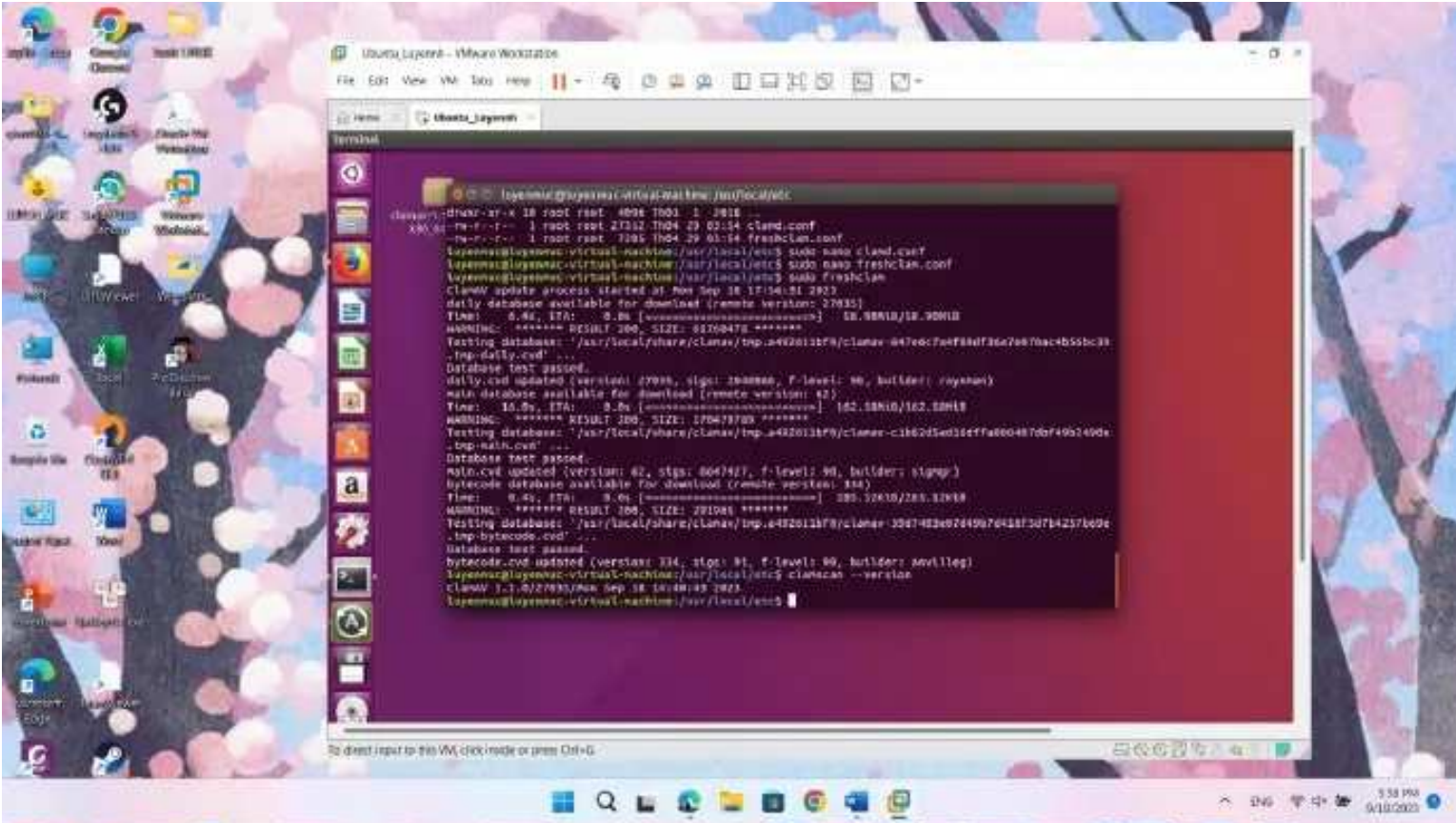
Personalization

Analytics

Save preferences

Accept All

Reject Non-Essential



Tiếp theo. chúng ta sẽ thử download một con virus xem có chạy hay không. Vào trong desktop, tạo một thư mục bất kỳ, sau đó dung câu lệnh wget để có thể download file về.



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[Storage Preferences](#)

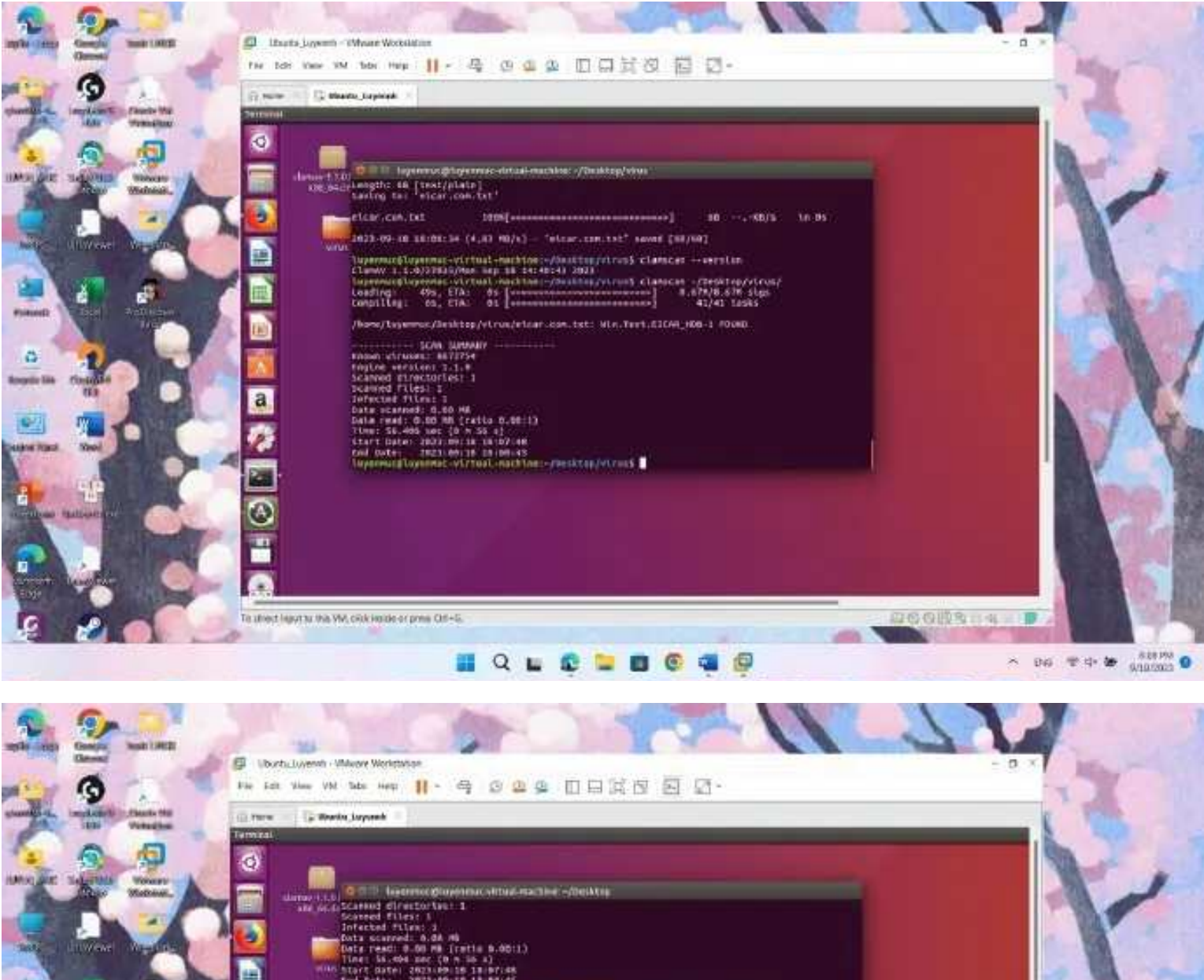
[Third Parties](#)

- Storage
- Targeted Advertising
- Personalization
- Analytics

Save preferences

Accept All

Reject Non-Essential



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[Storage Preferences](#)

[Third Parties](#)

Storage

Targeted Advertising

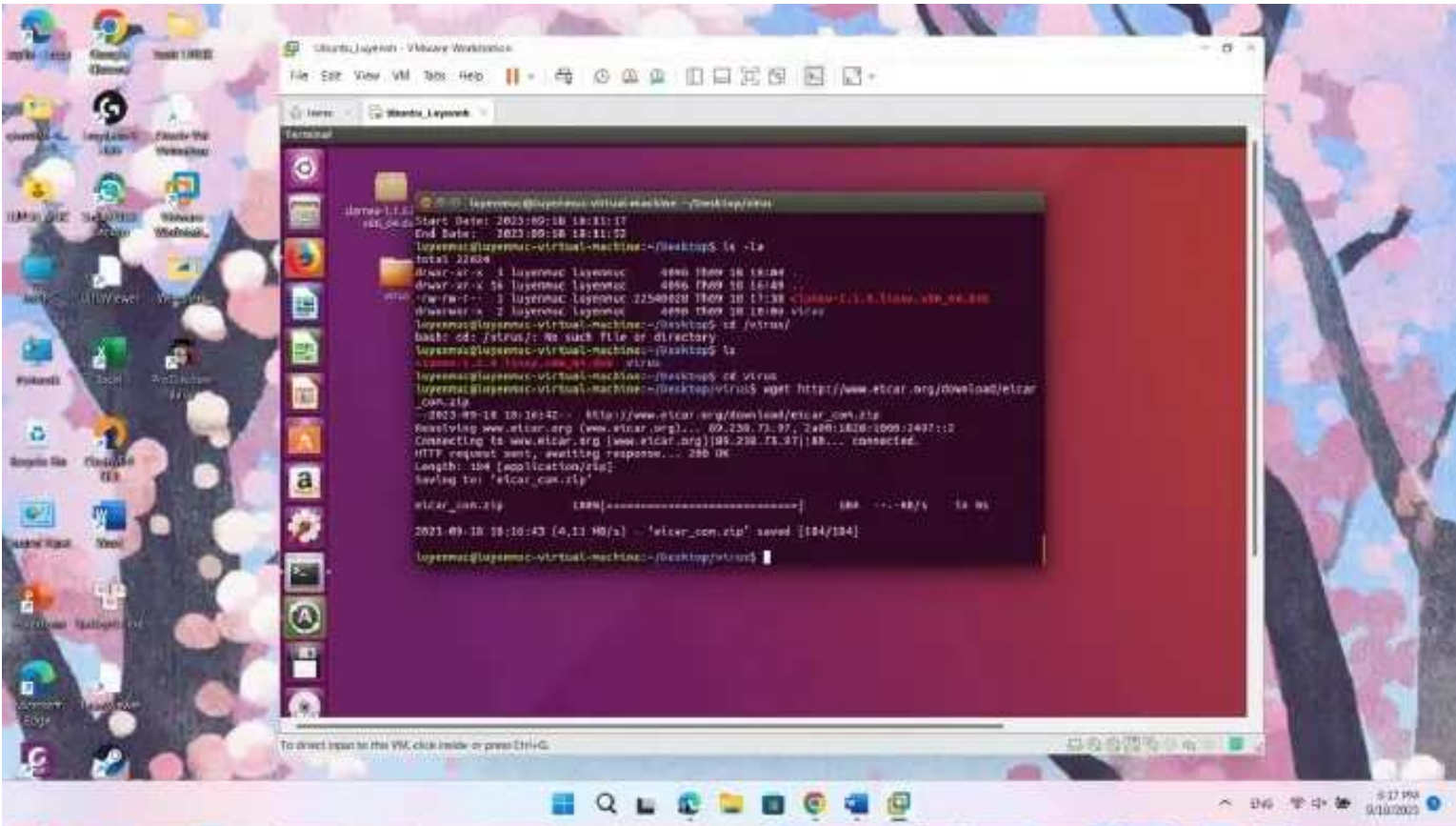
Personalization

Analytics

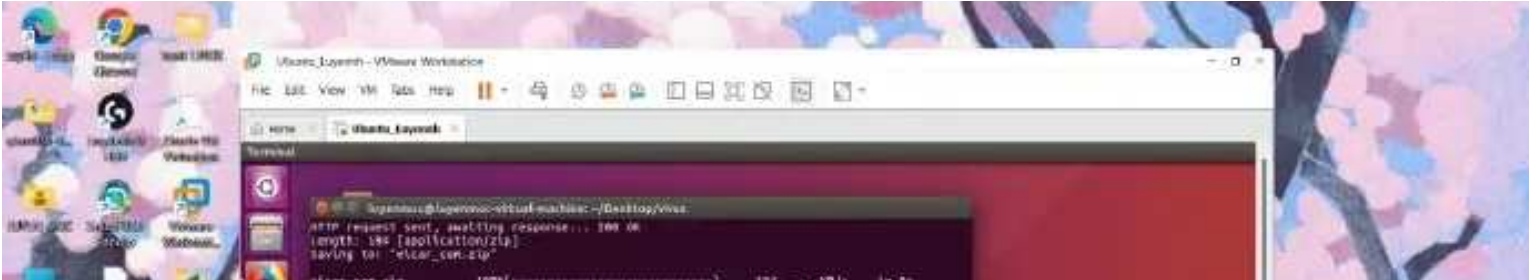
Save preferences

Accept All

Reject Non-Essential



Bây giờ chún ta sẽ tạo một rule để có thể test với clamav.



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[Third Parties](#)

Storage

Targeted Advertising

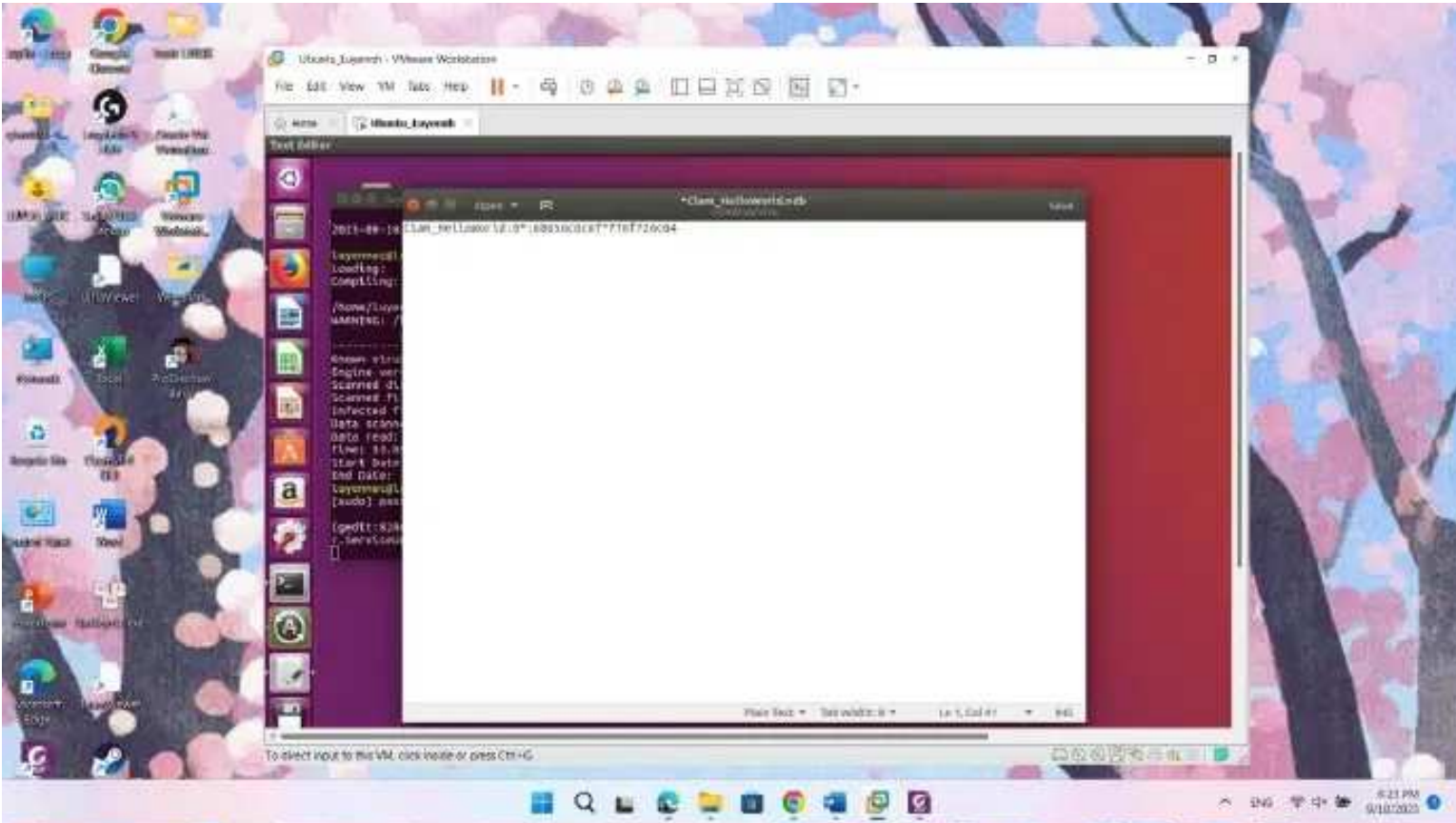
Personalization

Analytics

Save preferences

Accept All

Reject Non-Essential



Tiếp đến, ta tạo file test.txt bằng lệnh `sudo touch ./test.txt`, trong file này có sẽ chứa 2 từ “hello world”. Sau đó là ta dùng lệnh này để scan:



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[Third Parties](#)

Storage

Targeted Advertising

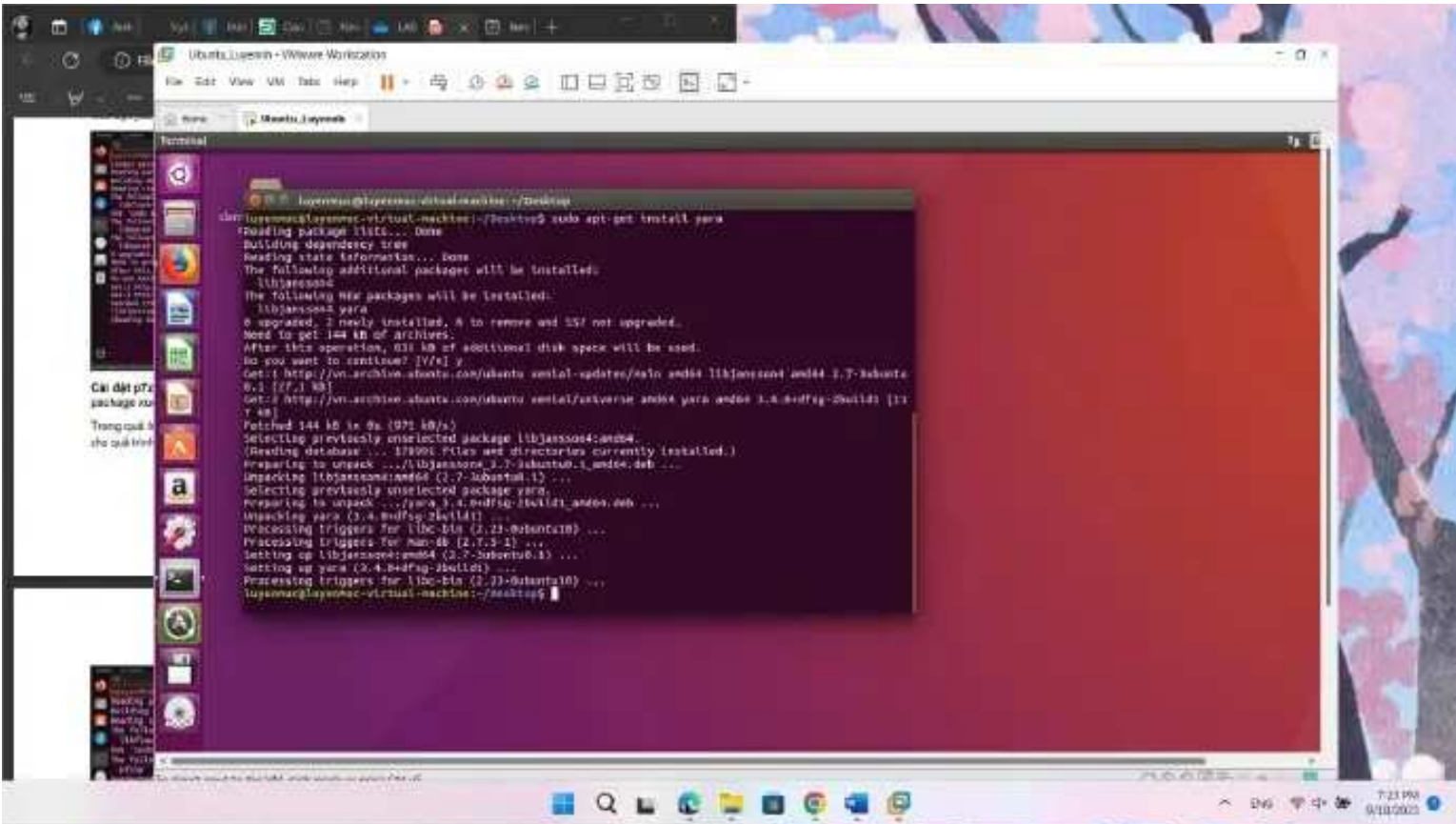
Personalization

Analytics

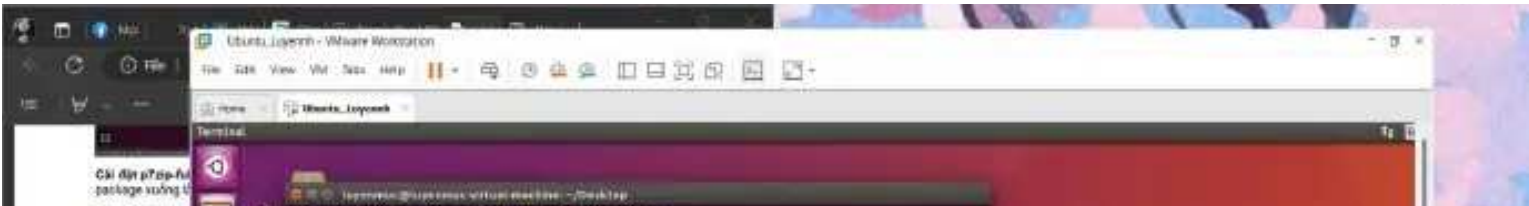
Save preferences

Accept All

Reject Non-Essential



Cài đặt p7zip-full:



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[Third Parties](#)

Storage

Targeted Advertising

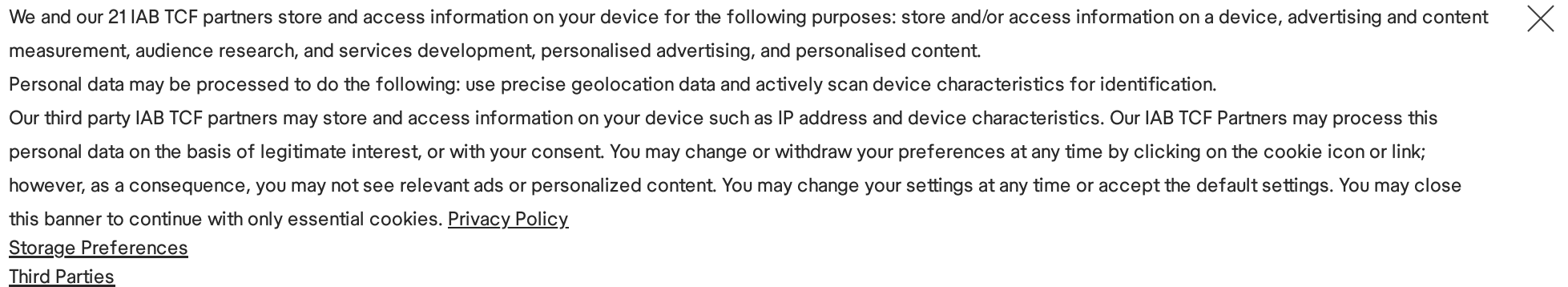
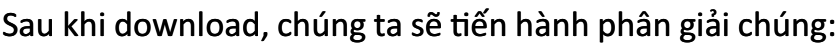
Personalization

Analytics

Save preferences

Accept All

Reject Non-Essential



Storage

Targeted Advertising

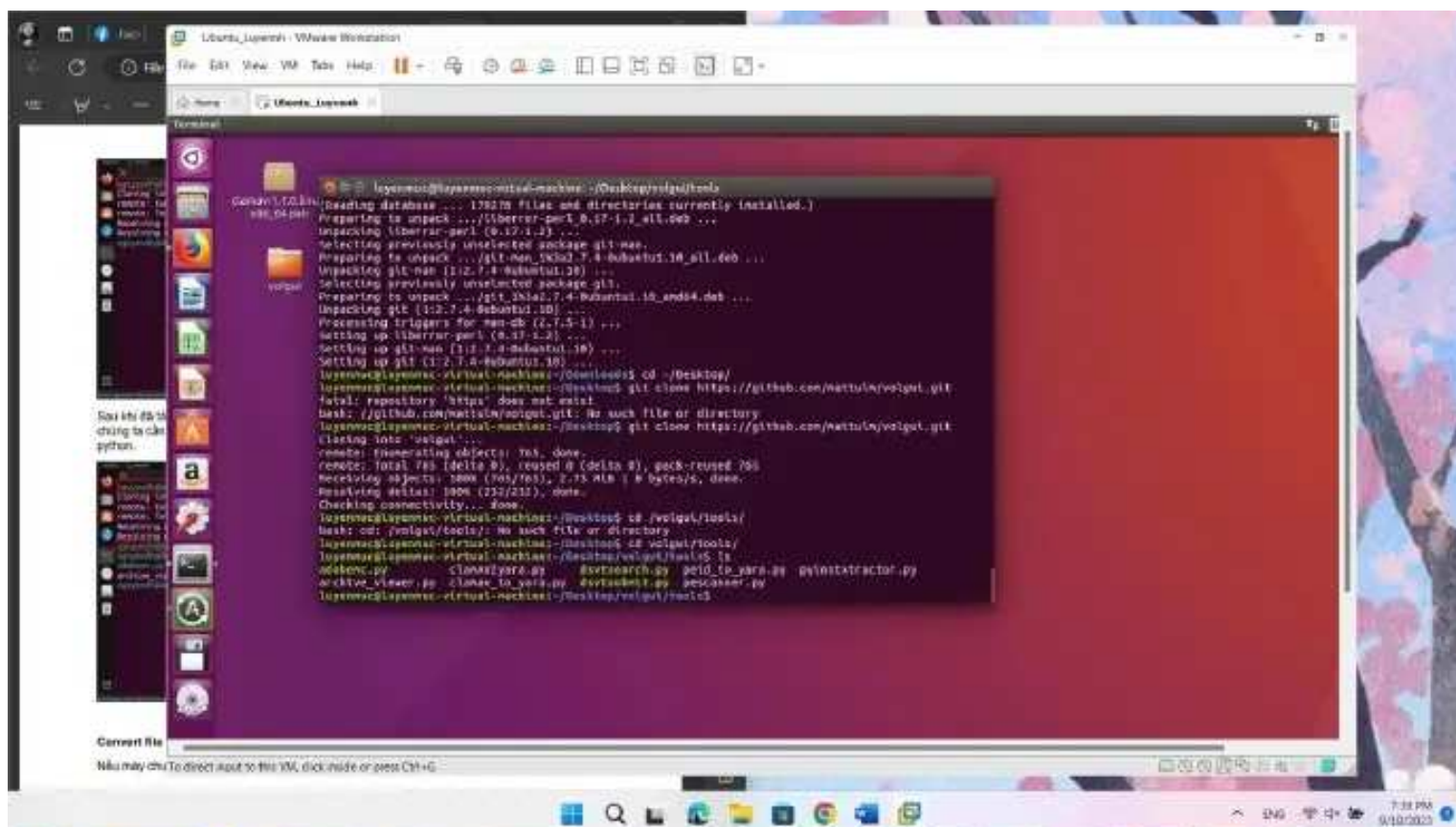
Personalization

Analytics

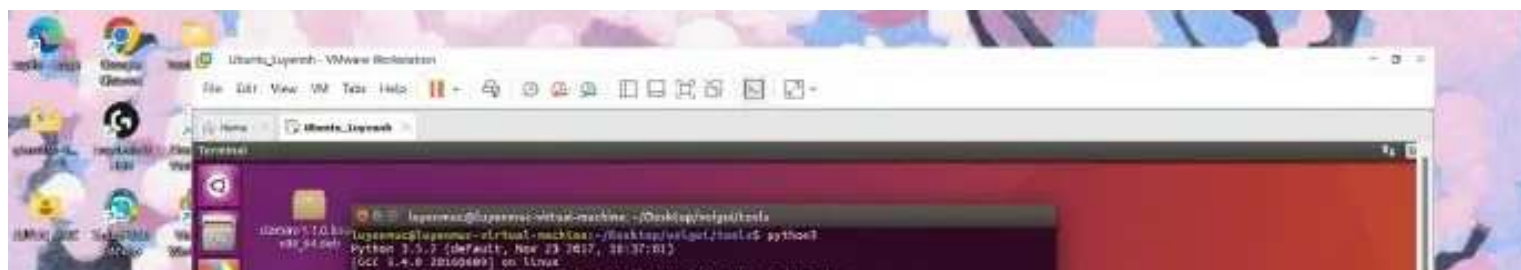
Save preferences

Accept All

Reject Non-Essential



Convert file clamav sang yara



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Storage Preferences

Third Parties

Storage

Targeted Advertising

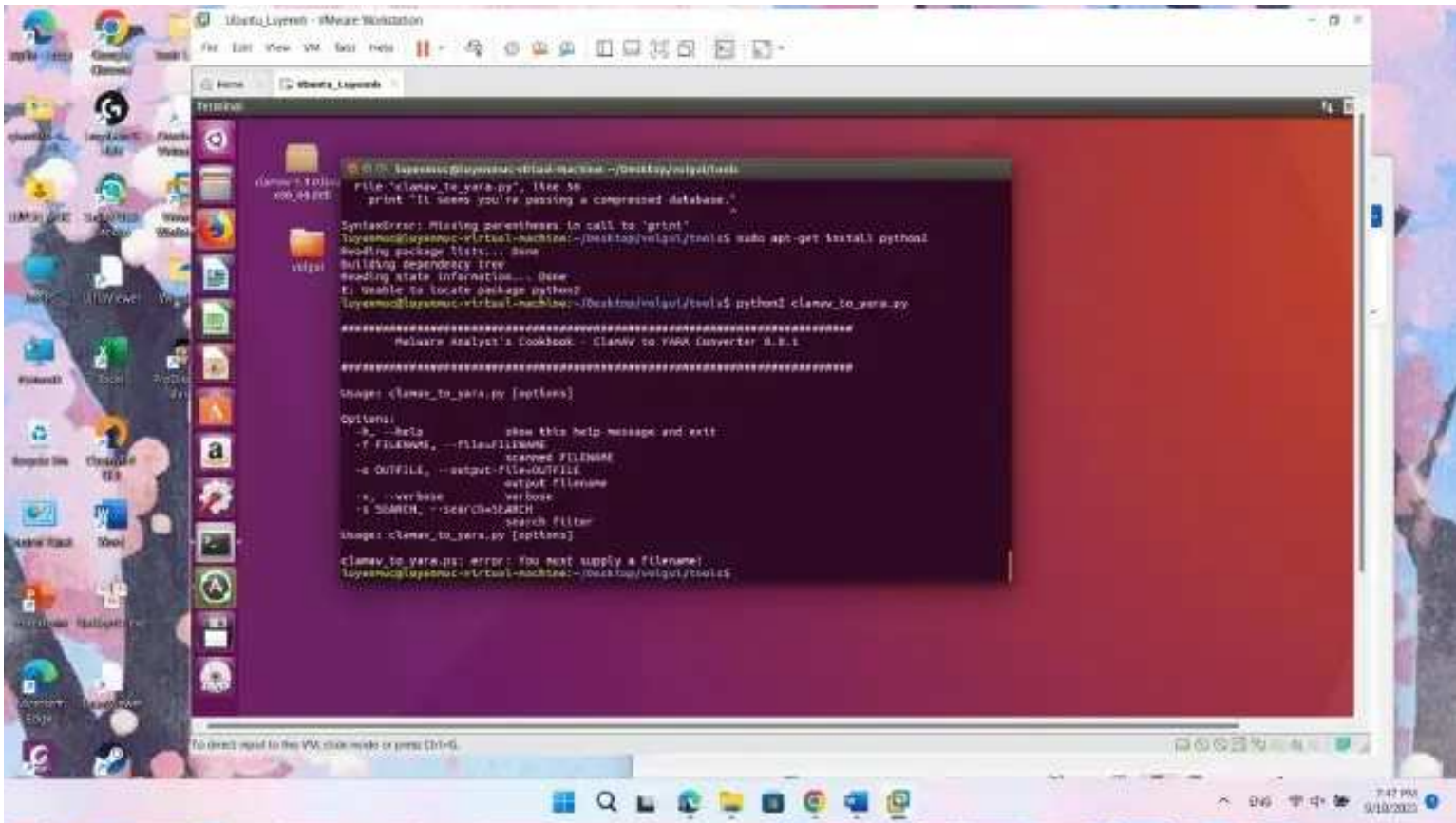
Personalization

Analytics

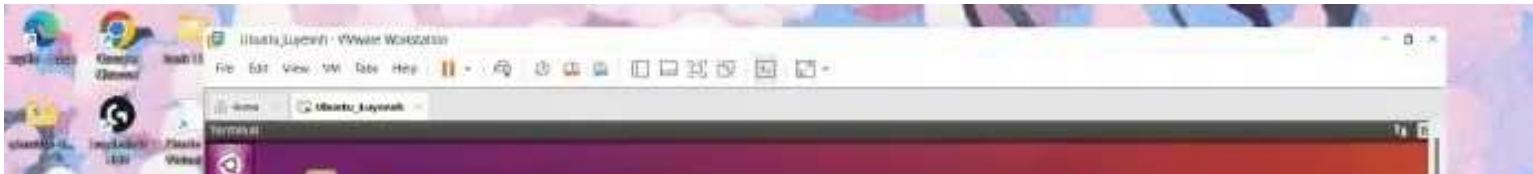
Save preferences

Accept All

Reject Non-Essential



Ở đây nó sẽ hiện ra một số cách dùng cơ bản của file này như là -f để hiện file, -o là file output. Vì thế full command của chúng ta sẽ là: `sudo python clamav_to_yara.py -f ~/Desktop/package/clamsrch.ndb -o clamsrch.yara`



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Targeted Advertising

Personalization

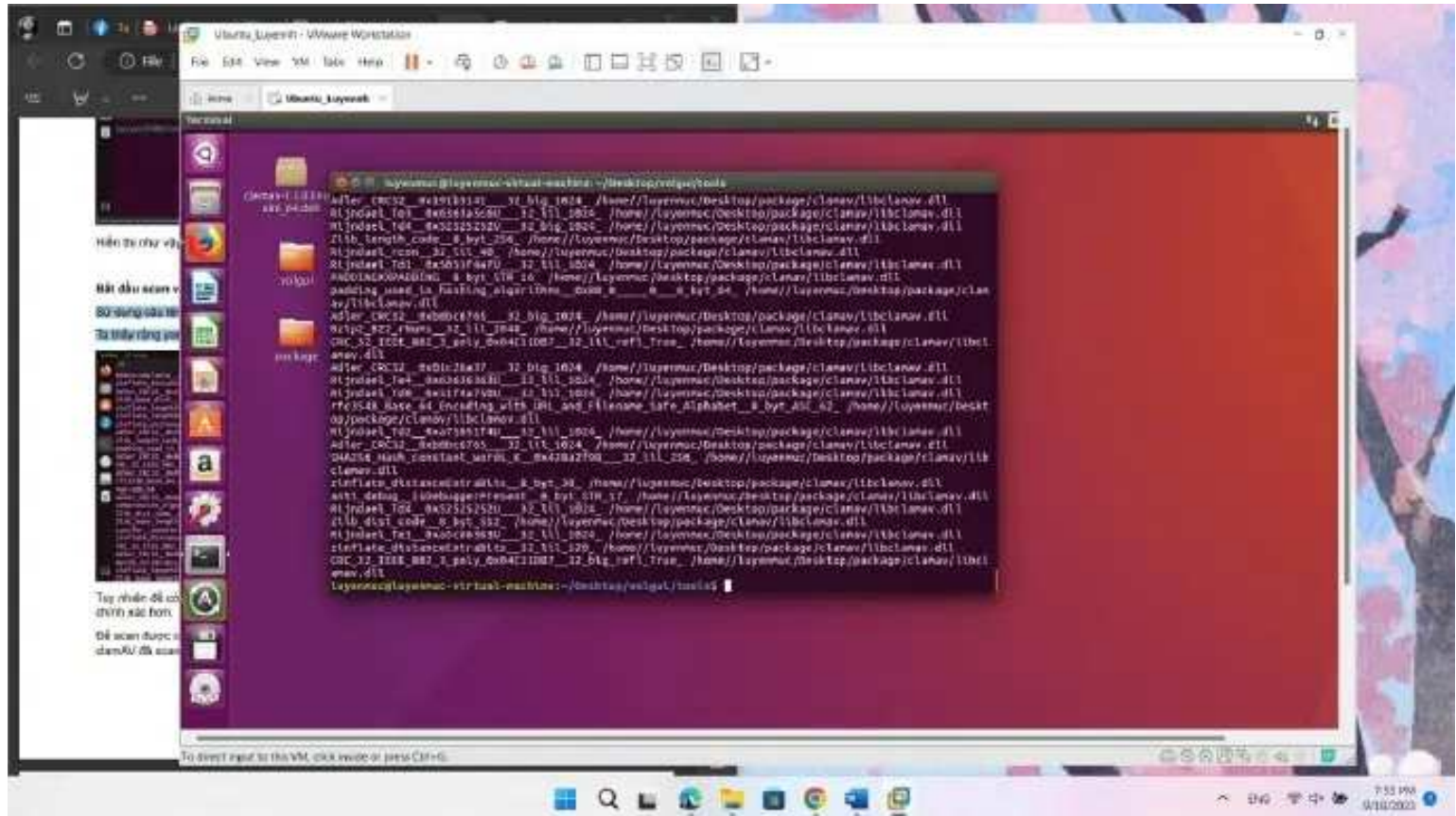
Analytics

Save preferences

Accept All

Reject Non-Essential

Sử dụng câu lệnh: `yara -r clamsrch.yara /home/` để test xem có chuyện gì xảy ra không Ta thấy rằng yara đã scan ra rất nhiều thứ được biểu thị ở hình dưới đây



Tuy nhiên để có thể chính xác hơn thì ta sẽ dùng data của clamav để làm để scan một cách chính xác hơn.

[illegible]

X

however, as a consequence, you may not see relevant ads or personalized content. You may change your settings at any time or accept the default settings. You may close

Storage Preferences

Third Parties

Storage

Targeted Advertising

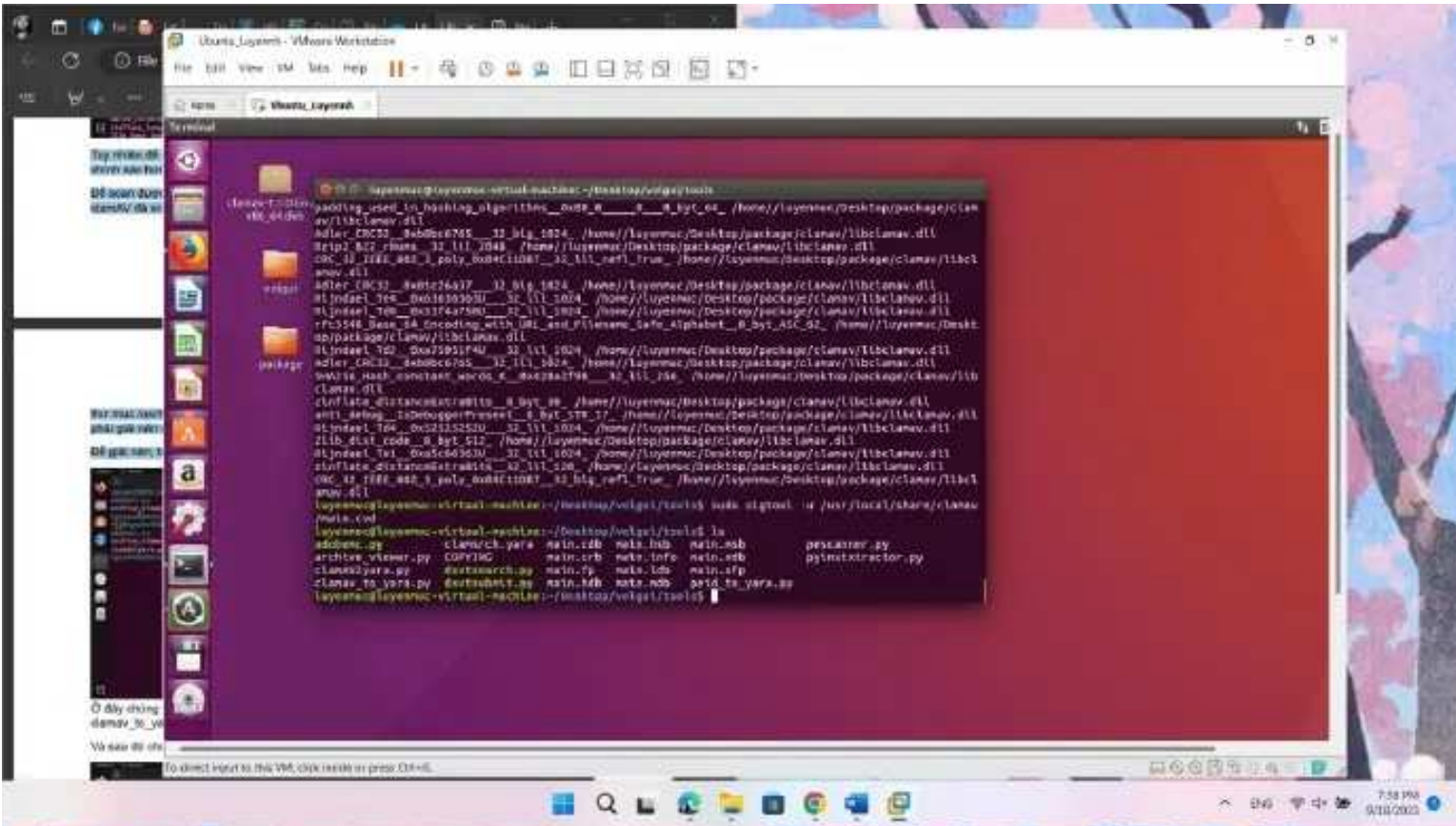
Personalization

Analytics

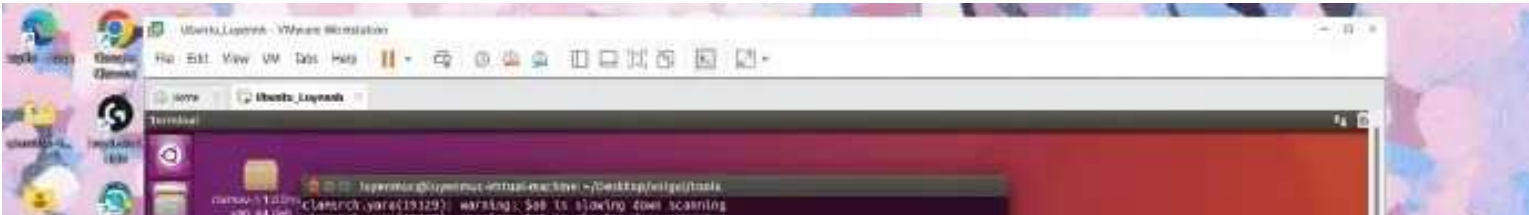
Save preferences

Accept All

Reject Non-Essential



Ở đây chúng ta có thể thấy rằng file đã được giải nén ra là main.ndb. Sau đó sử dụng clamav_to_yara.py để chuyển đổi file thành file yara. Và sau đó chúng ta



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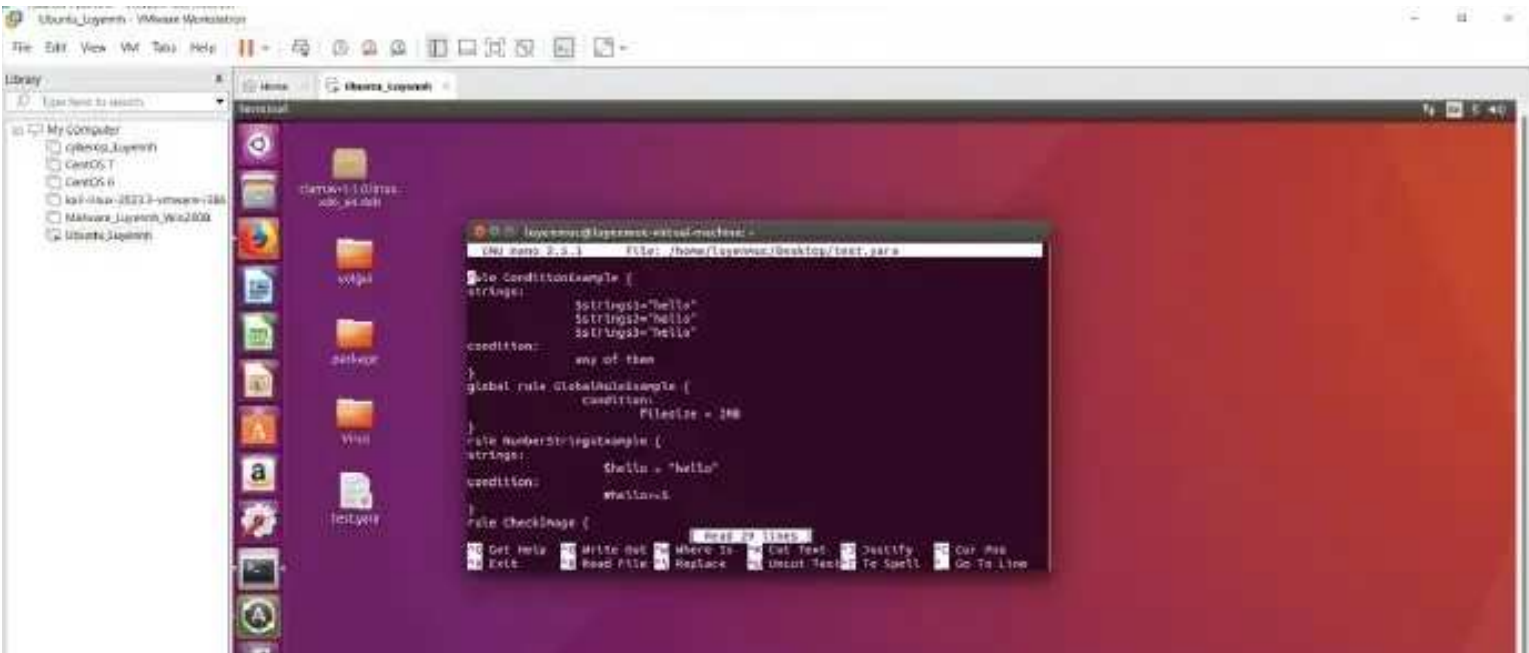


rule ConditionsExample { strings: \$strings1="hello" \$strings2="hello" \$strings3="hello" condition: any of them }

Câu lệnh này sẽ check xem là trong file có chữ hello hay không, nếu có chữ hello thì sẽ match rule global rule GlobalRuleExample { condition: filesize < 2MB }, rule này sẽ bắt buộc yêu cầu filesize < 2MB, nếu bé hơn 2MB thì sẽ match

rule NumberStringsExample { strings: \$hello="hello" condition: #hello>=5 } rule này thiết lập một điều kiện rằng một biến chuỗi có tên \$hello phải xuất hiện trong tệp đang được quét, cụ thể là nó tìm kiếm chuỗi "hello".

rule CheckImage { strings: \$a ={89 50 4e 47 0d 0a 1a 0a} condition: any of them } rule này dùng để check một file png



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