SANGFOR

IAM

Neural-X Anti-Virus Configuration Guide

Version 12.0.18

Change Log

Date	Change Description
Dec 24, 2019	Version 12.0.18 document release.

CONTENT

Chapter 1 Content requirements

1 Product Introduction

The main function of the Neural-X is to protect the internal user from virus and other network attack. Besides, it able to improve the security of internal network environment. The virus that infect user usually from these path, HTTP, FTP, SMTP, document transfer and etc. Neural-X is mainly focus on these type of transfer method to perform anti-virus.

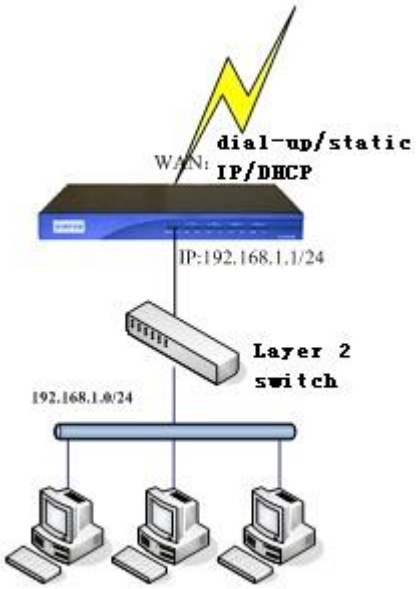
2 Application Scenario

Neural-X is mainly focus on these type of transfer method to perform anti-virus.

1. FTP
2. HTTP
3. SMTP
4. POP3

3 Testing environment

3.1 Topology



IAM device in route or bridge deployment mode.

3.2 Testing requirement

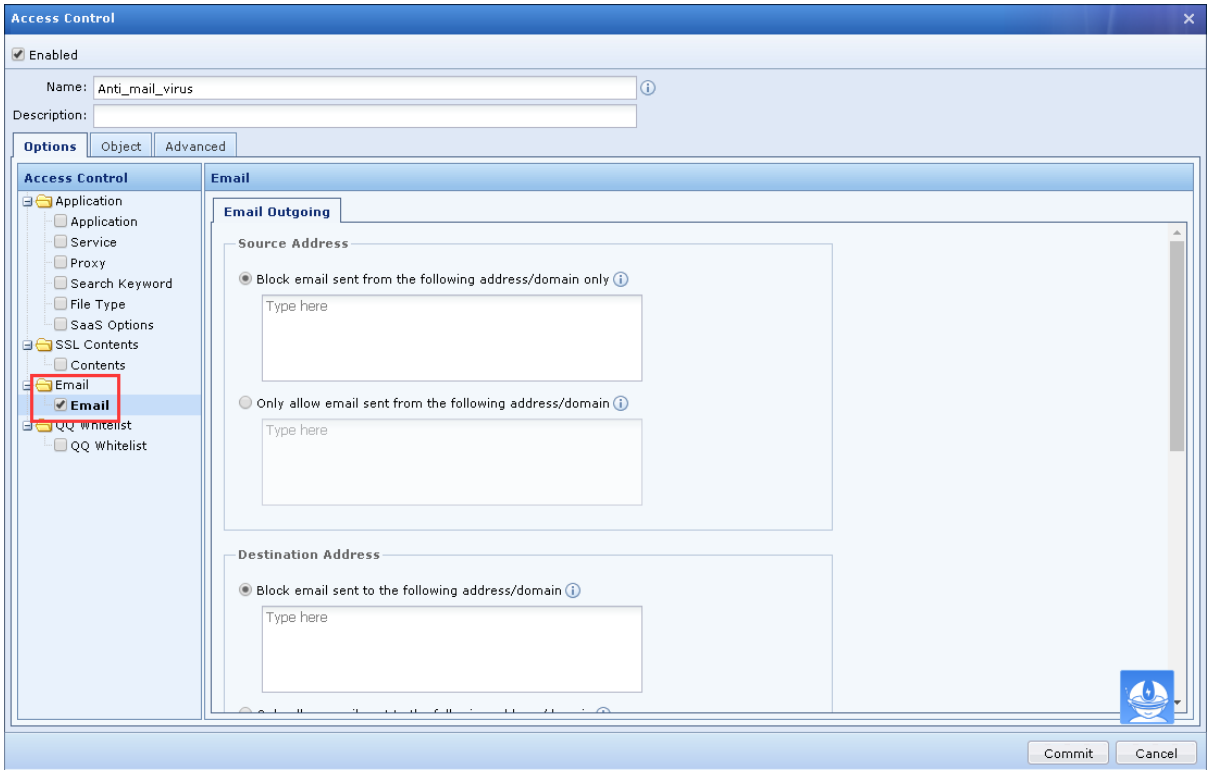
1. IAM device with the valid Neural-X license.
2. Ensure the traffic is passing through IAM.
3. The anti-virus for SMTP/POP3 protocol is implemented by device proxy, ensure the communication between IAM and Mail server/Mail client is normal.

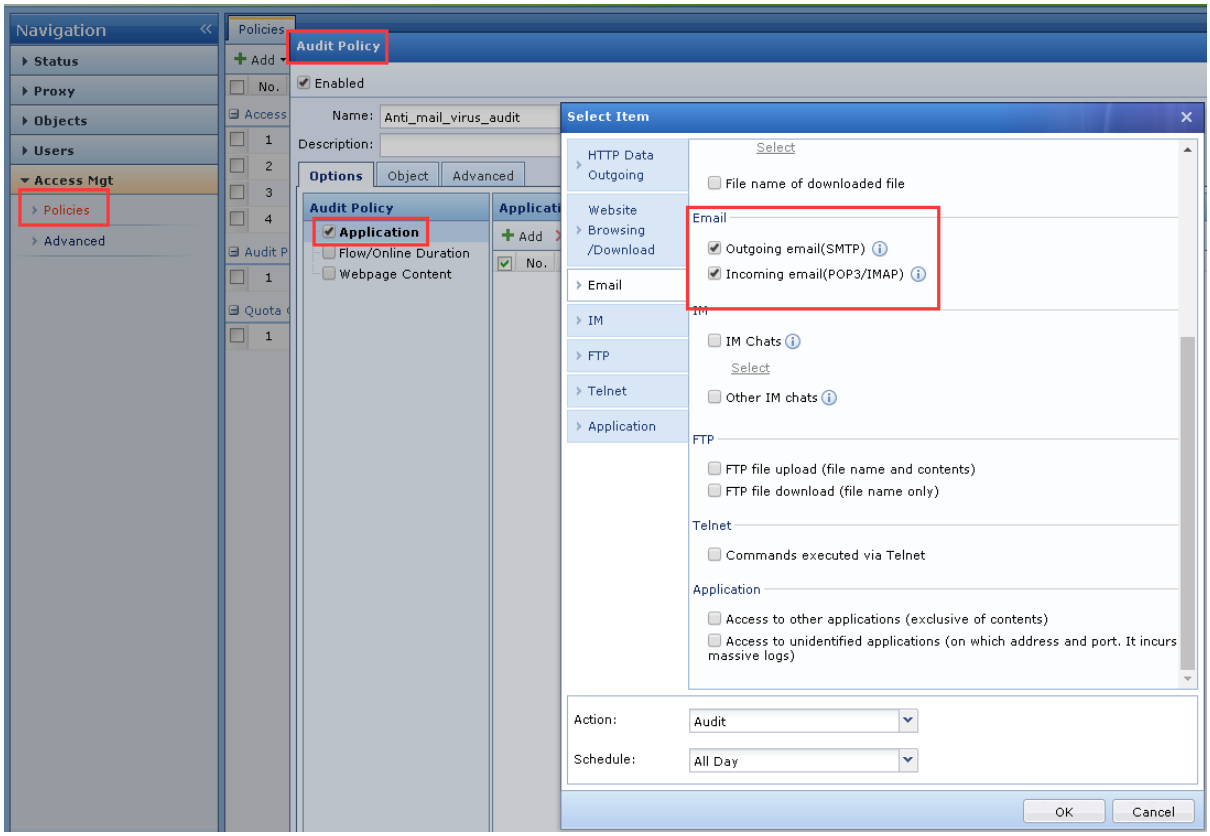
4 Configuration Guide with Screenshot

4.1 SMTP anti-virus

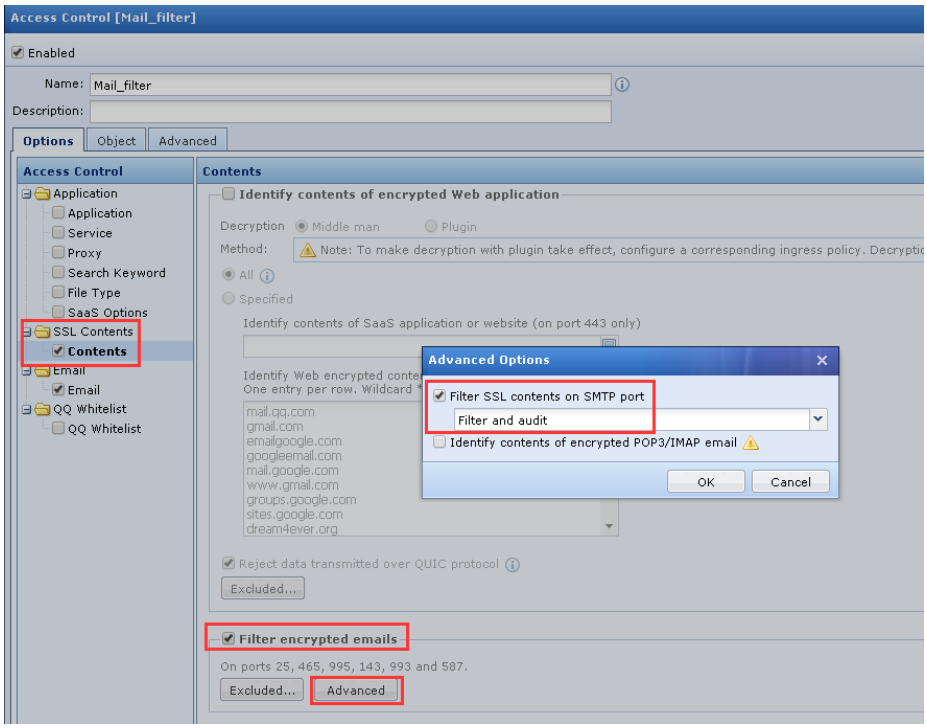
As below will be the SMTP anti-virus progress.

1. Configure an **Access Control policy** with enable the "**Email**" filter function as well as configure a **Audit policy** to audit the email, assign to the specific user.

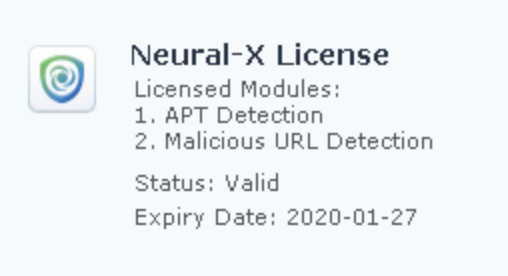




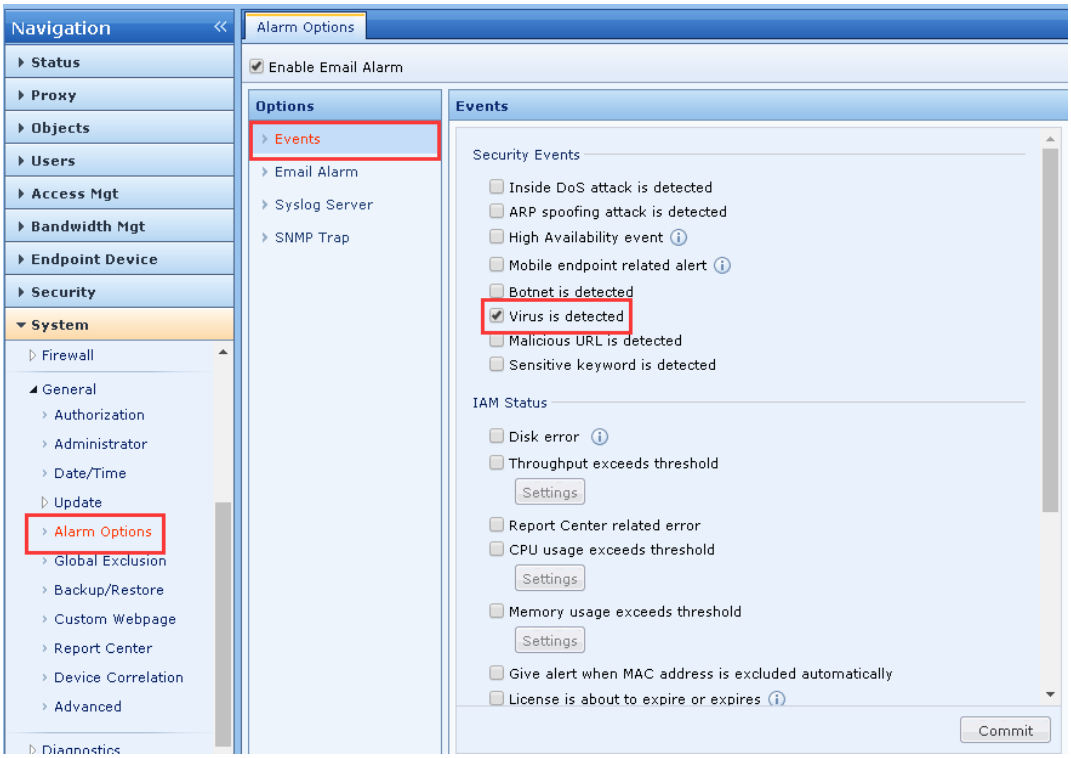
2. If the email client has configure with a secure SMTP/POP3, we need to enable the [SSL content] function on the Mail_filter policy. Enable the [SSL content] function is able to encrypt the email and identify the source mail domain.

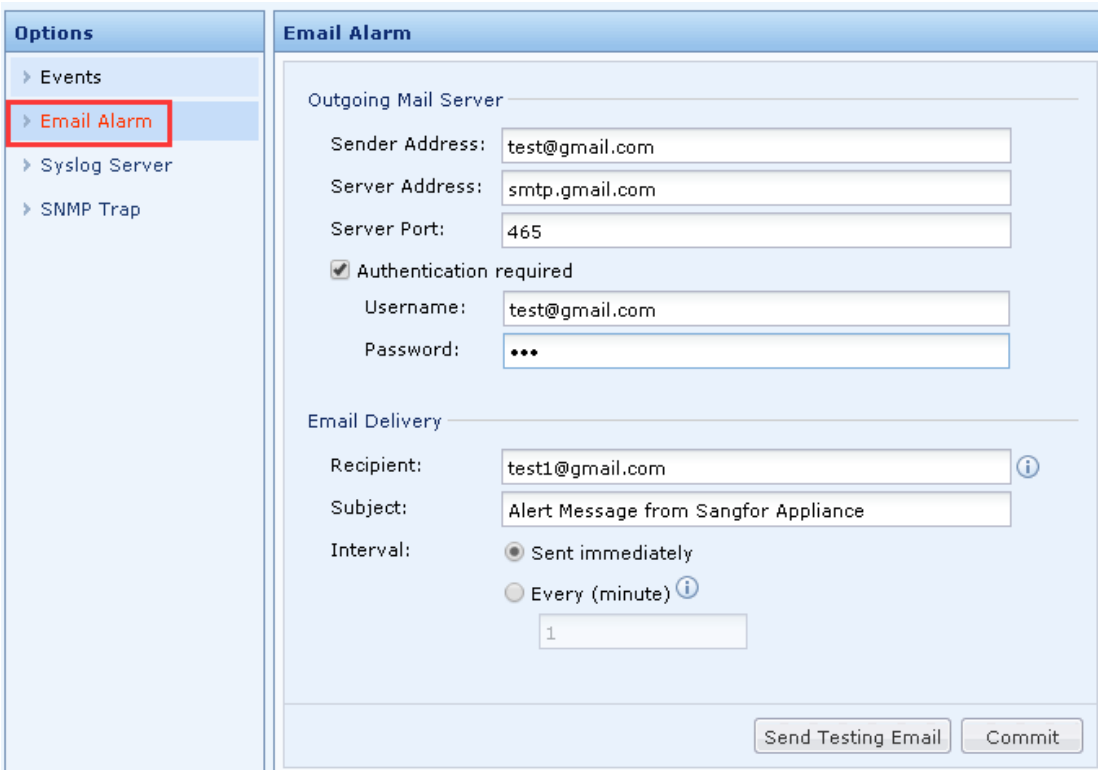


3. 2. Ensure the Neural-X is functionable with a avilable license key.



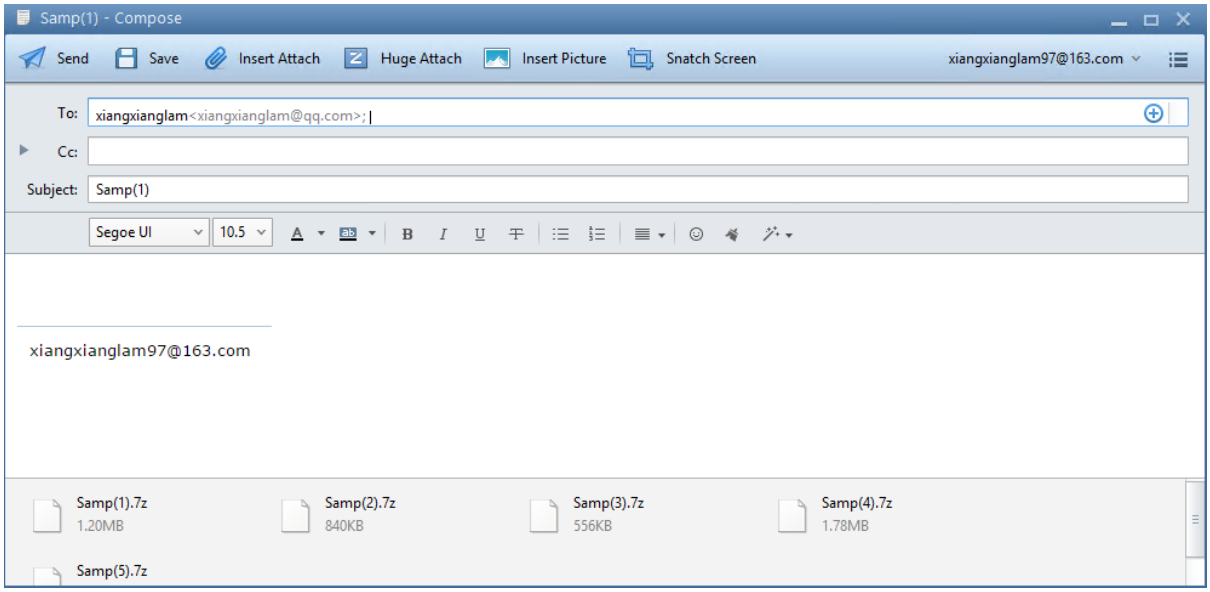
4. Enable the alarm option at **[System] – [Alarm option]** to inform the related admin when the virus is detected. The configuration as diagram below.

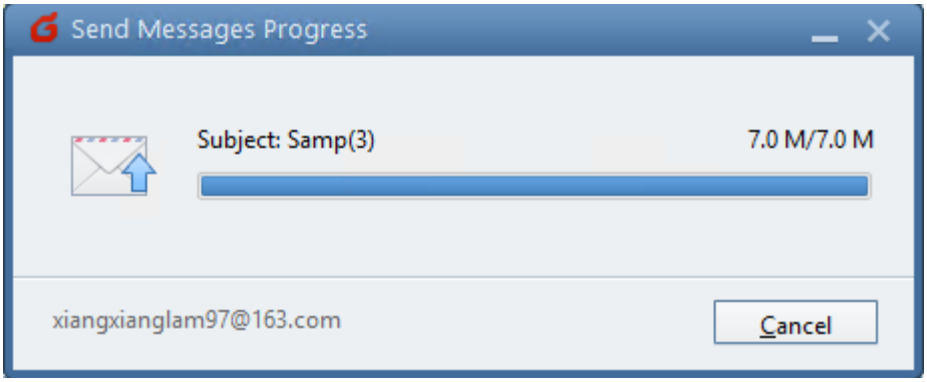


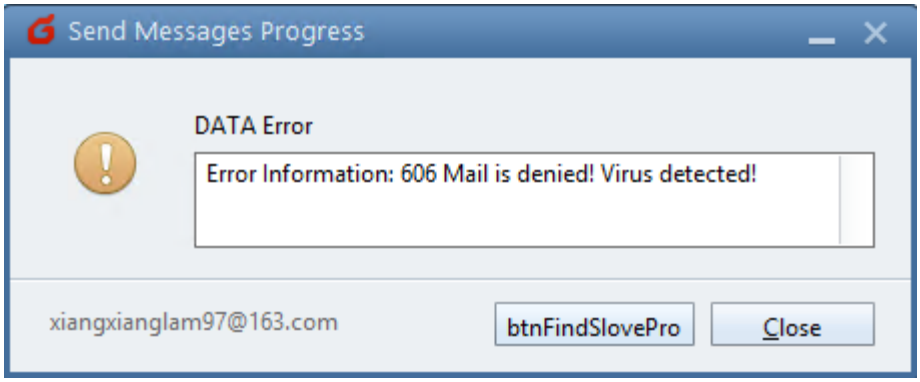


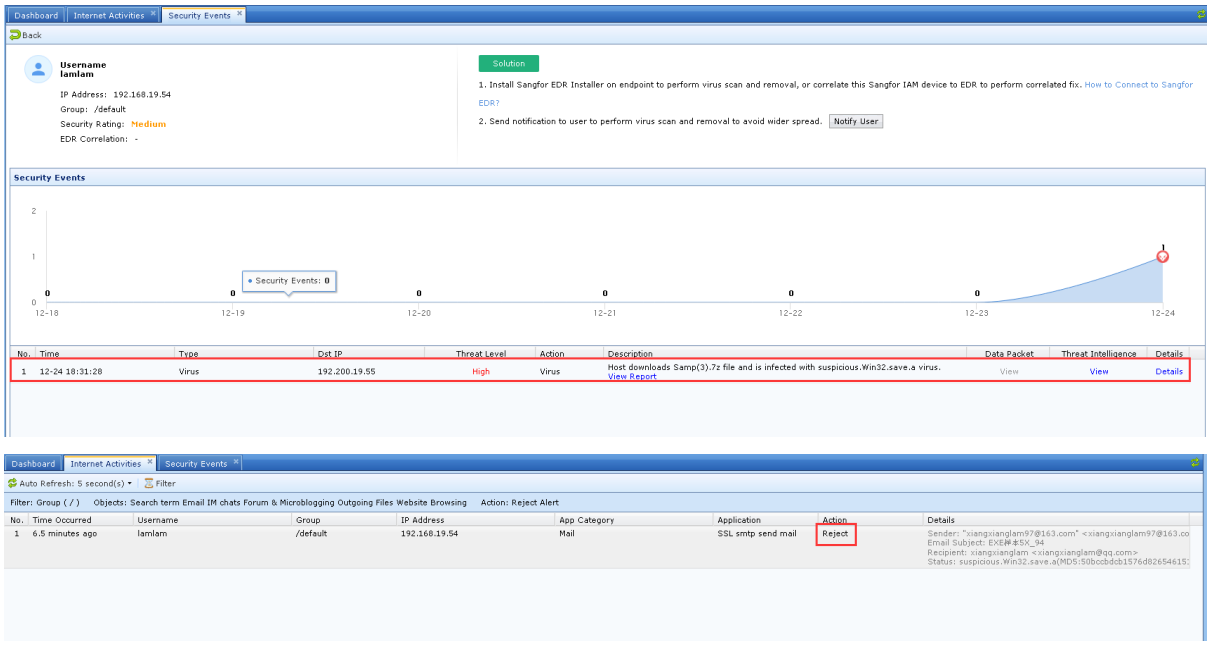
After finished all the setting as diagram above, by using a pc with Foxmail (**mail client**), send a virus email for testing purpose.

1. Send a virus email through Foxmail as diagram below:



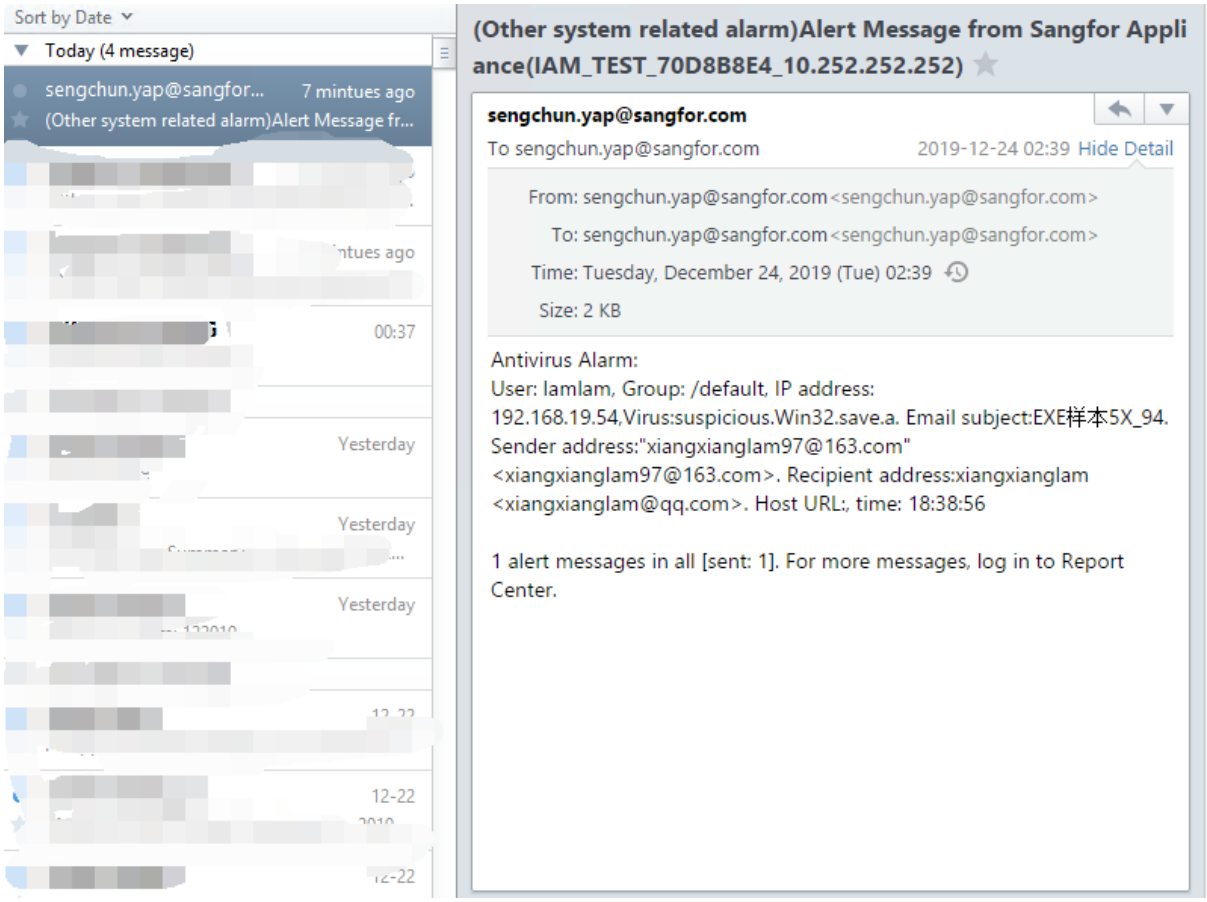






As the diagram above show the email has been block due to the content with virus file detected.

2. Alert Message from IAM that virus has been detected.



5 Conclusion

The Neural-X module is able to detect and block the virus thorugh FTP, HTTP, SMTP/POP3, else it able send virus alarm email to specific admin to effectively protect the security of intranet users.

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