



Sangfor IAG

Anti-proxy and ES Correlation Configuration Guide

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About This Document






This document describes the anti-proxy IAG and ES correlation Configuration Guide.

Intended Audience

This document is intended for:

- Network design engineers
- O&M personnel

Note Icons

English Icon	Description
	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
	Indicates a hazardous situation, which if not avoided, could result in minor or moderate injury.
	Indicates a hazardous situation, which if not avoided, could result in settings failing to take effect, equipment damage, or data loss. NOTICE addresses practices not related to personal injury.
	Calls attention to important information, best practices, and tips. NOTE addresses information not related to personal injury or equipment damage.

Change Log

Date	Change Description
Sep. 23, 2021	This is the first release of this document.

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1 Introduction

Many users use VPN tools to access applications that are not allowed by network administrators, such as pornographic websites and the dark web. In addition, the use of VPN tools can lead to information leakage and behaviors that cannot be audited. For network administrators, these VPN tools need to be blocked.

Traditionally, the general anti-proxy method blocks the domain name and IP associated with the proxy tool in the dimension of network traffic, but the effect is usually minimal. As some proxy software tools claim, the traffic is disguised as standard SSH, HTTP Protocol, and DNS protocol to bypass the detection of security software. Some proxy software deployed on the server on the public cloud, blocking its IP will cause the normal website to be blocked. Therefore, we need a better way to prevent proxy tools, through the linkage of IAG and ES, directly block the operation of proxy tools related processes.

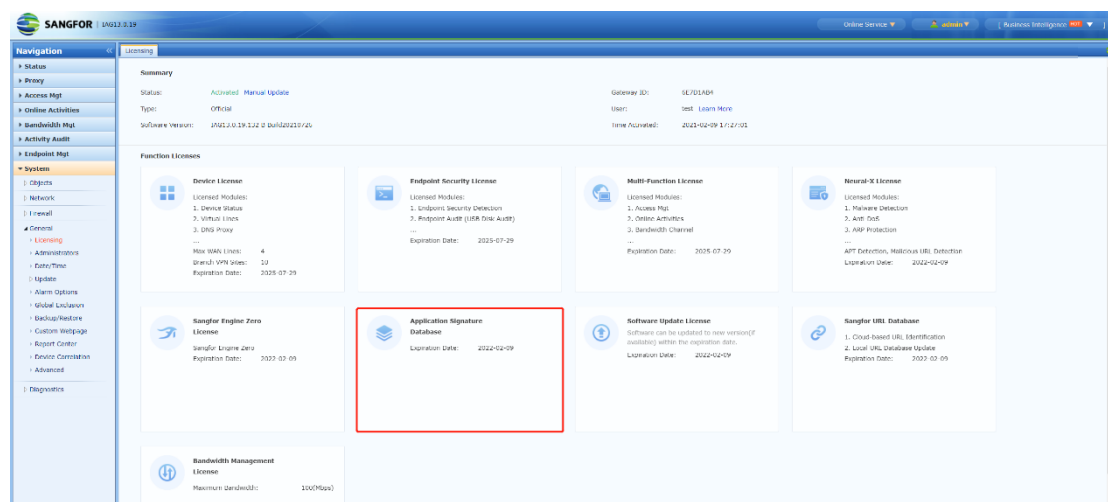
What is Psiphon?

Psiphon is a circumvention tool from Psiphon Inc. that utilizes VPN, SSH and HTTP Proxy technology to provide you with uncensored access to Internet content. Your Psiphon client will automatically learn about new access points to maximize your chances of bypassing censorship.

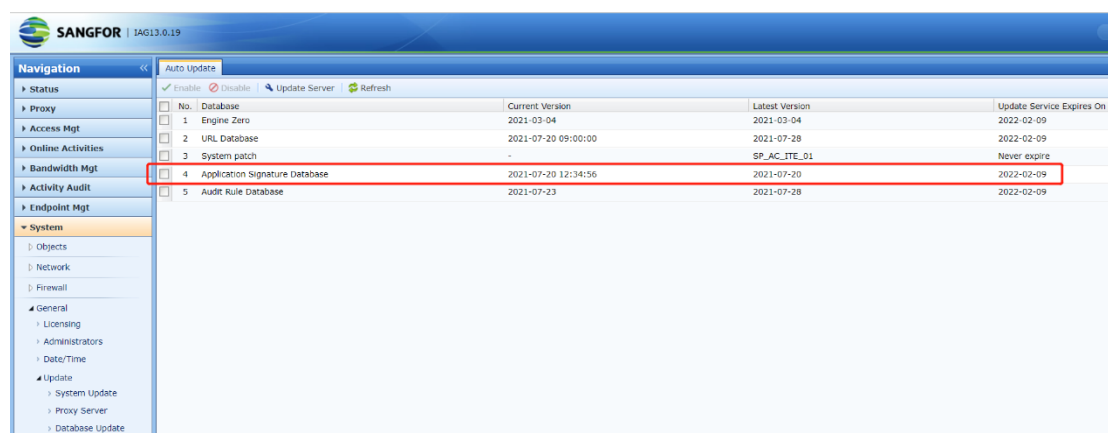
2 Configure Policy in IAG

2.1 Check License and Database

1. Check whether IAG has enabled application control License. The Anti Proxy function needs to use the application control rule base, which requires the relevant authorization to be turned on.

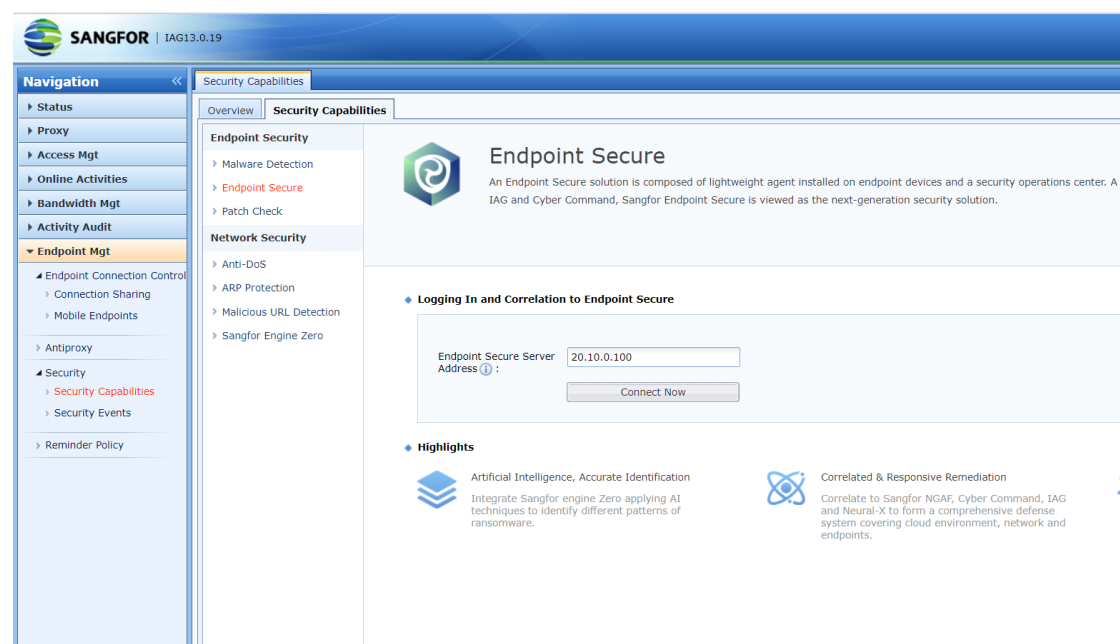


2. Check whether the rule database has been updated to the latest date. The latest rule database will help to achieve a better Anti Proxy effect.

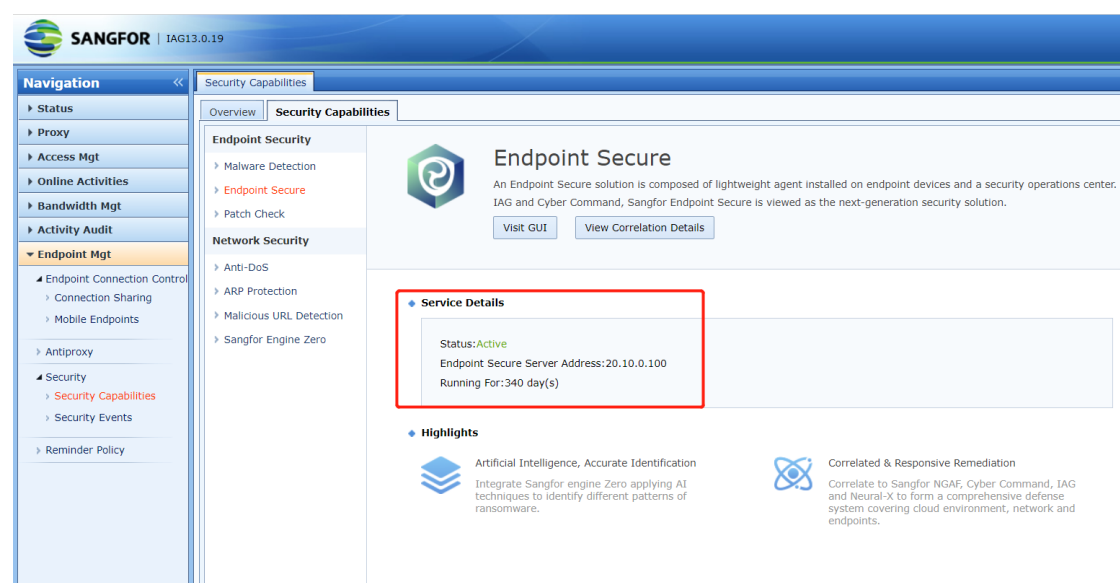


2.2 Correlate IAG with Endpoint Secure

1. Connect IAG to Endpoint Secure.

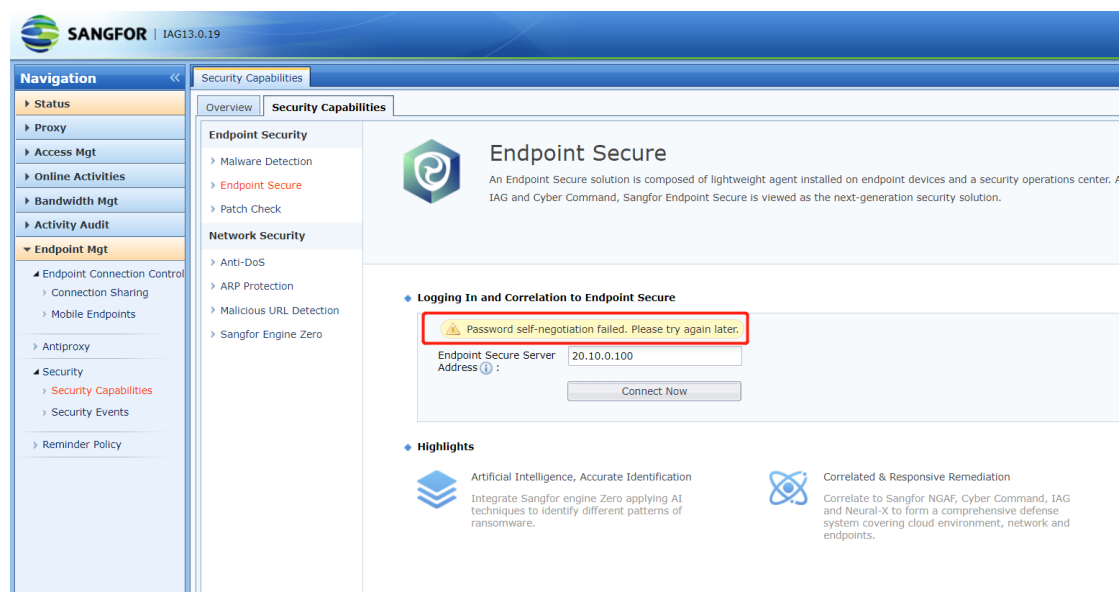


2. If IAG correlates with Endpoint Secure successfully, you can view the endpoints in IAG and the connection status.

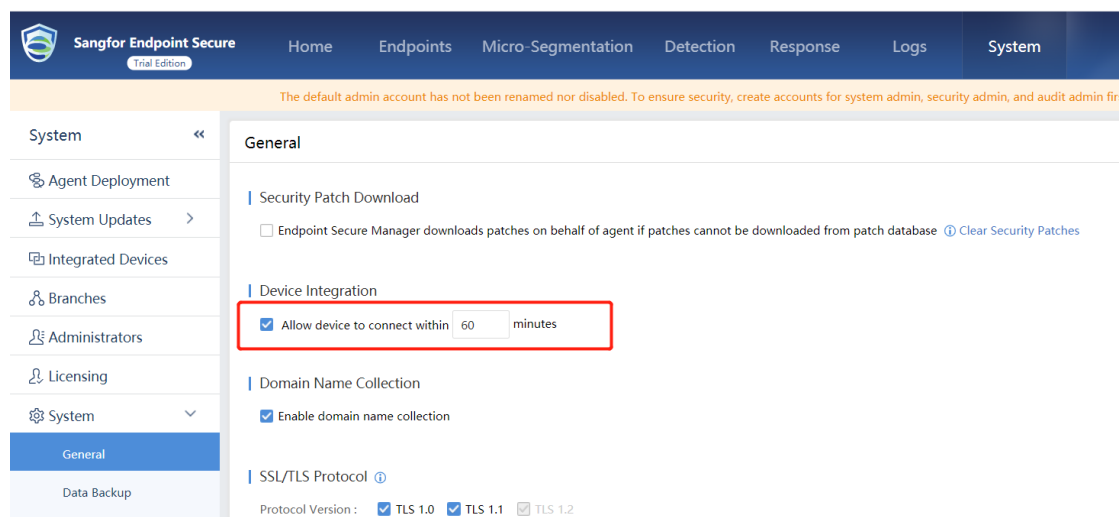


2.2.1 Precaution on IAG connect to ES

1. When IAG connects to Endpoint Secure, the following error message may appear. It is because the device access permission is not enabled on Endpoint Secure.



2. It requires enabling the **Device Integration** option on Endpoint Secure.

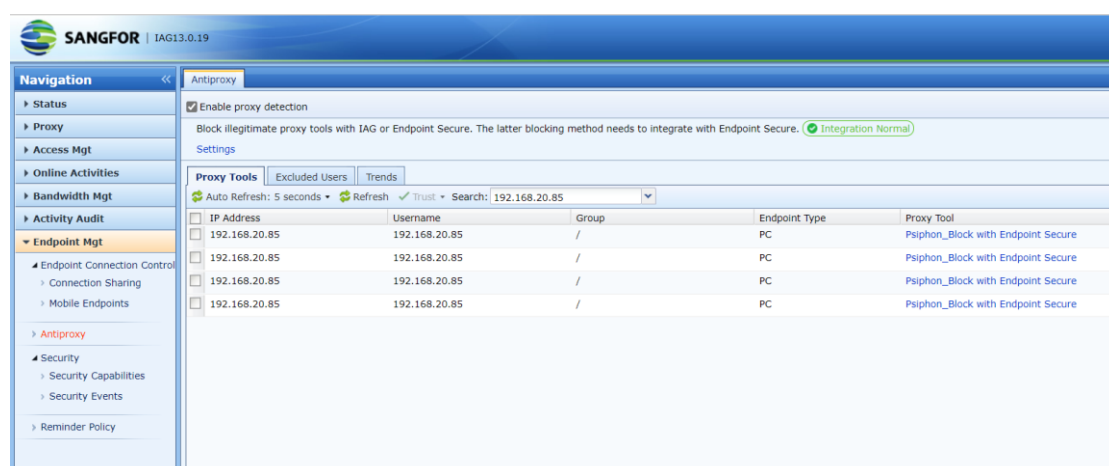


3. Then access **Endpoint Secure** from IAG.

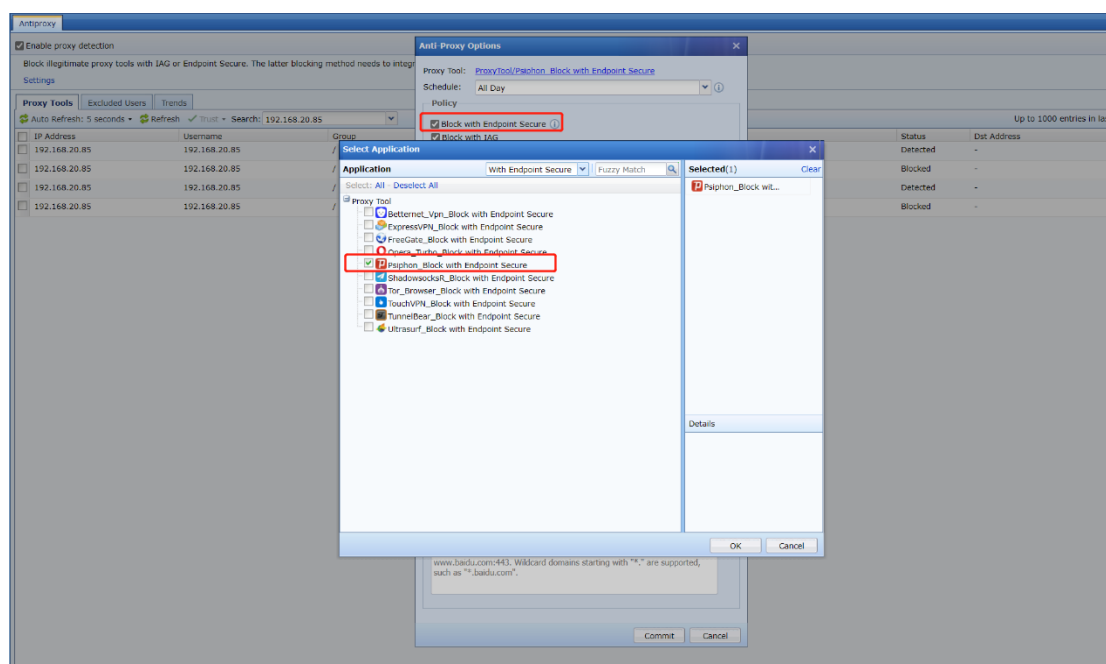


2.3 Configure Endpoint App Control Policy

1. Navigate to **Endpoint Mgt** Page and go to **Antiproxy** module, click Enable Proxy Detection.

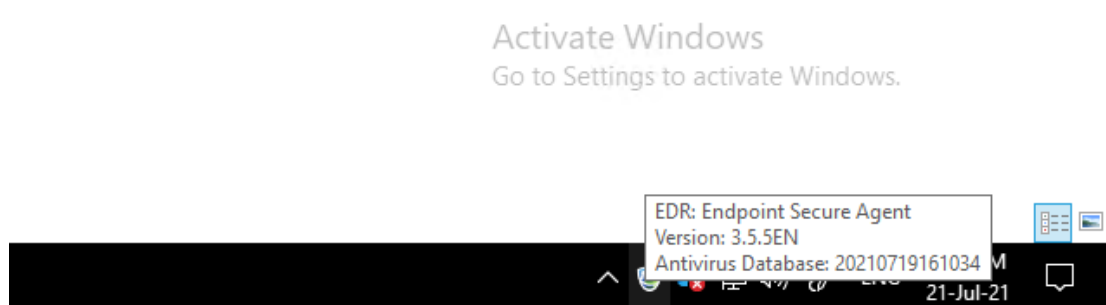


2. Select the App that you want to block.

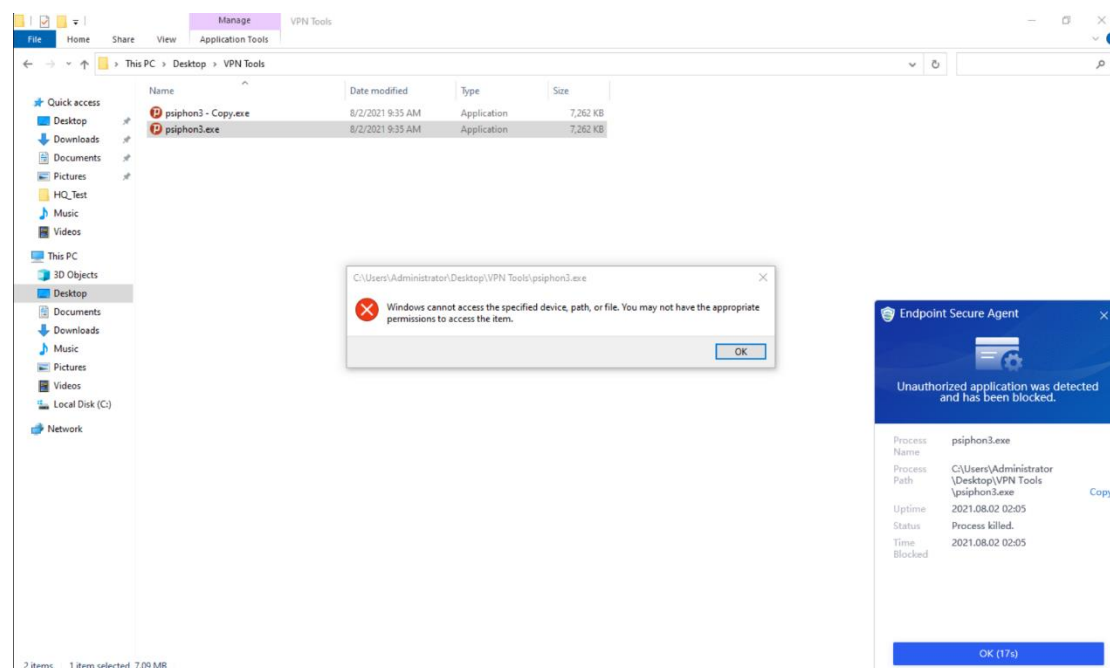


2.4 Run Proxy Tools on PC

1. It is required to ensure the PC's Endpoint Secure Agent is running.



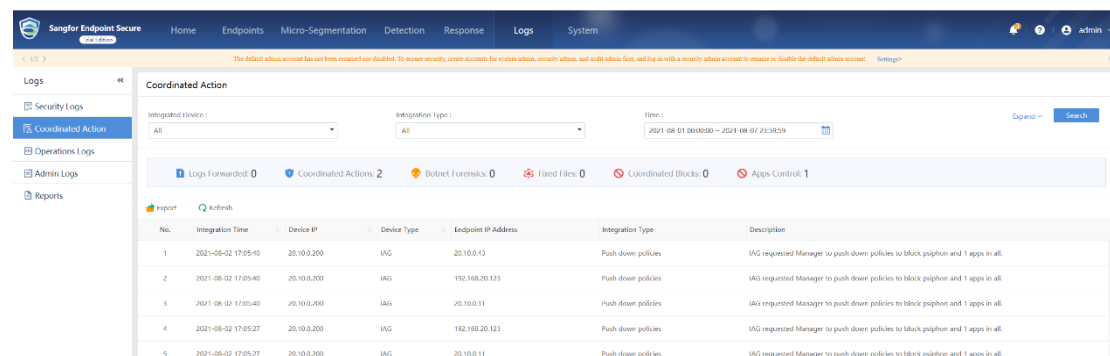
2. Run the Proxy tool. You can see that the Proxy tool cannot run Endpoint Secure Agent and displays warning information.



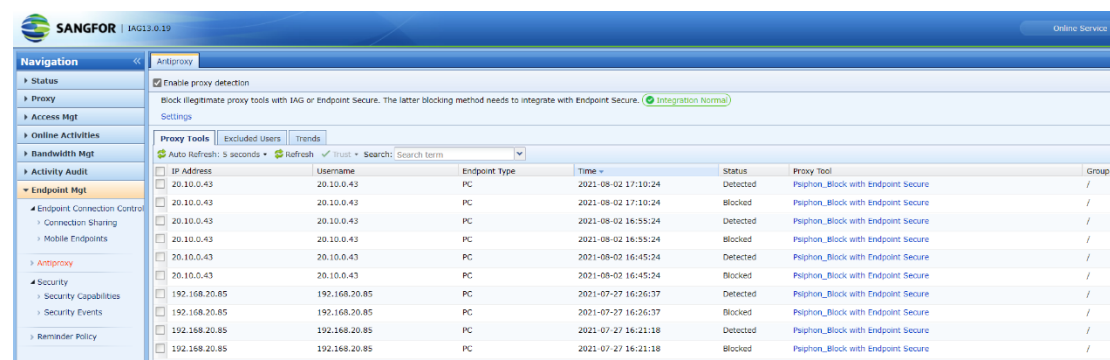
3 View Logs

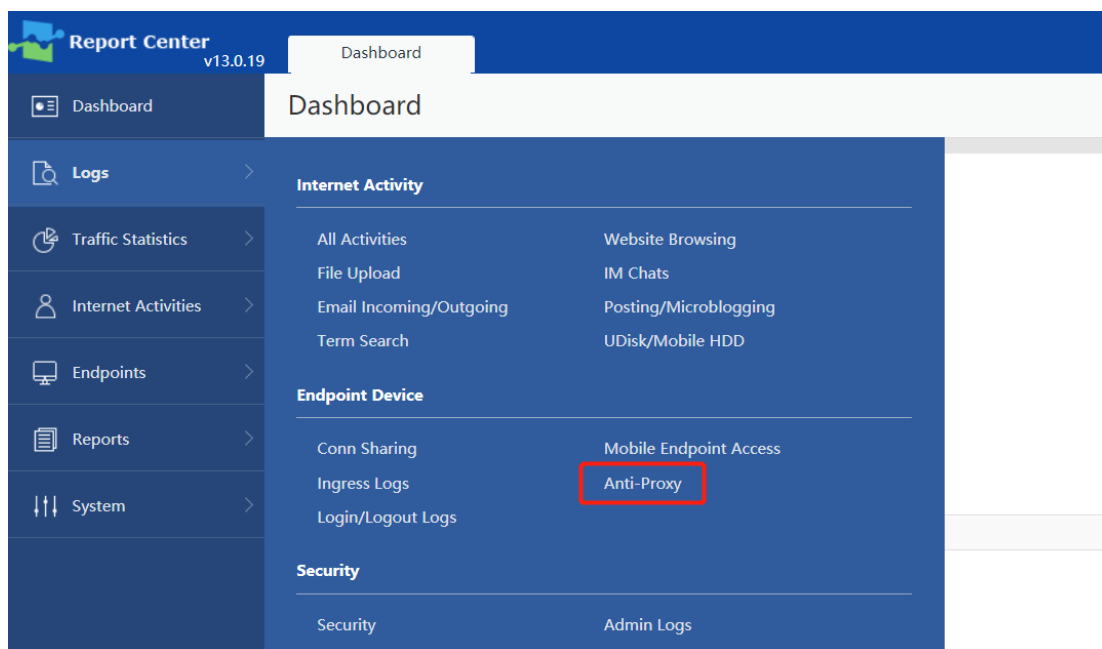
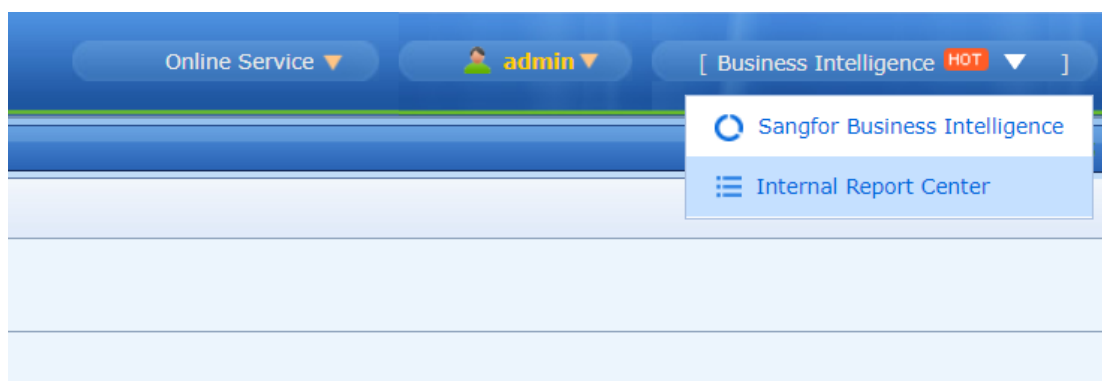
3.1 View Agent Logs in MGR

1. You can see the **Coordinated Action Logs** of the IAG policy in the **ES MGR log**.

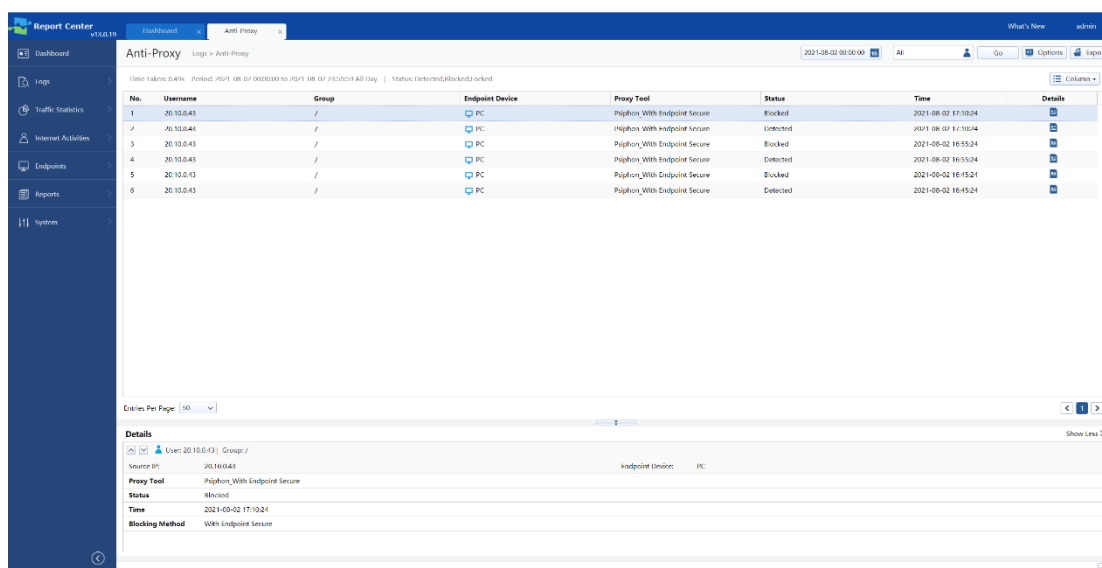


2. You can View the Proxy Tools Running Logs in IAG.



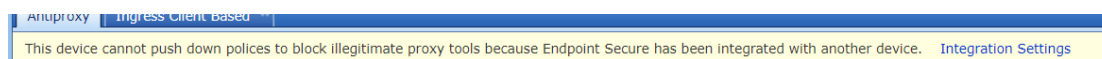


3. Go to **Report Center**. You can view the detailed logs.



4 Precaution

1. The version of both Endpoint Secure Manager and Endpoint Agent must be 3.5.5 EN or above.
2. Only one instance of IAG can be running at any given time.



3. Endpoint Secure Manager can run alongside one instance of IAG (Anti-Proxy Enabled) and multiple instances of NGAF (Anti-Proxy Disabled).
4. Require port 443 communication between IAG and Endpoint Secure Manager.
5. Anti-proxy and ES Correlation doesn't support on windows server platform, it only support on windows-pc with windows 7 and above.



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