

Guide 140039

VIGIL Trends – Connectivity Requirements for Implementation on an Existing Corporate Network

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Product Affected:	VIGIL Trends, VIGIL Server, VIGIL VCM, VIGIL Trends
Purpose:	The purpose of this document is outline the connectivity requirements for VIGIL Trends implementation on an existing corporate network.

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1 Introduction

The purpose of this document is to inform the reader of the required hardware and connectivity specifications required to implement VIGIL Trends on an existing corporate network.

1.1 Latest Updates 1400039-9

New outbound IP added to [VIGIL Media Server](#):

- 40.71.240.16: 443 3xstore.blob.core.windows.net
- 13.66.226.80: 80 cloudapi.3xlogicip.com

Removed outbound IP from [VIGIL Media Server](#):

- 168.62.32.206:443 3xstore.blob.core.windows.net

2 Hardware Requirements

2.1 VCM Server System

CPU: Intel i5/i7
RAM: 8 GB
OS: Windows 7 64-bit
HDD: 500 GB

2.1 Central Analytics Database System

CPU: Intel i5/i7
RAM: 8 GB
OS: Windows 7 64-bit
HDD: 500 GB

2.2 Storage Server

CPU: Intel i5/i7
RAM: 8 GB
OS: Windows 7 64-bit
HDD: 2 TB Minimum



Note: The *Central Analytics Database* can technically be maintained on the same system as VCM, however for enterprise-class networks, a separate system is highly recommended for hosting the Central Analytics Database.

3 Connectivity Requirements

The following sections list port numbers and IP addresses associated with VIGIL Trends and other related network components. To ensure successful network operation, these ports must be opened/allowed on the client's internal network.

3.1 VIGIL Connect and VIGIL Relay Server.

3.1.1 Required Ports (Outbound):

- 80
- 443
- 22700 (VIGIL Connect)
- 22703(VIGIL Relay Server)



Warning: If network port restrictions are in place, at a minimum, port 80 **OR** 443 must be open.

3.1.2 VIGIL Connect/Relay Server - Network Firewall Rules

Two options exist for creating the necessary firewall rules for a network to successfully utilize VIGIL Connect(if desired for Trends use).

1. VIGIL Connect Domain Name – Using Dig Command for Firewall White List (Recommended):

Use a dig command (Example: <https://toolbox.googleapps.com/apps/dig/#A/vigilconnect.3xlogicip.com>) with the below domain name to create and maintain a white list for your network firewall(s). All addresses associated with VIGIL Connect and VIGIL Connect Relay Servers will be included.

Domain Name:



VIGILConnect.3xlogicip.com

2. Manual Rule Creation:

Manually create network firewall rules for all VIGIL Connect and VIGIL Connect Relay Server addresses listed below.

Server IP List:

- | | | |
|-----------------|------------------|------------------|
| ▪ 184.71.22.230 | ▪ 23.101.126.214 | ▪ 52.21.190.150 |
| ▪ 52.10.75.167 | ▪ 137.135.60.74 | ▪ 52.201.188.103 |
| ▪ 138.91.90.99 | ▪ 52.32.6.164 | ▪ 34.198.166.209 |
| ▪ 23.102.157.13 | ▪ 54.69.36.176 | ▪ 34.197.23.187 |
| ▪ 104.41.132.78 | ▪ 52.27.223.35 | ▪ 13.66.225.144 |
| ▪ 104.40.0.24 | ▪ 52.88.147.83 | |

<p>3.2 VIGIL Server System(s)</p> <p>Inbound:</p> <ol style="list-style-type: none"> Ports 22801-22811 (these are VIGIL Server defaults, may vary based on custom VIGIL Server port numbers). <p>Outbound: All VIGIL Relay and VIGIL Connect ports</p>	<p>3.3 VCM System</p> <p>Inbound:</p> <ol style="list-style-type: none"> Port 10507. <p>Outbound:</p> <ol style="list-style-type: none"> All VIGIL Relay Server, VIGIL Connect Server and VIGIL Server ports.
<p>3.4 Storage Server System</p> <p>Inbound:</p> <ol style="list-style-type: none"> Port 21 (FTP). Port 22 (SFTP). Ports 80 (HTTP). Port 443 (HTTPS). <p>Outbound:</p> <ol style="list-style-type: none"> All VIGIL Relay Server, VIGIL Connect Server and VIGIL Server ports. 	<p>3.5 Central Analytics Database System</p> <p>Inbound:</p> <ol style="list-style-type: none"> Port 2025 (changed from default SQL port 1433) <p>Outbound: N/A</p>
<p>3.6 3xCLOUD Trends Server</p> <p>Inbound:</p> <ol style="list-style-type: none"> trends.3xlogic.com:80 trends.3xlogic.com:443 vigiltrends.3xlogic.com:80 vigiltrends.3xlogic.com:80 <p>Outbound: All VIGIL Relay Server and VIGIL Connect Server ports.</p> <p>Note: This network component is managed by 3xLOGIC. Port info has been provided for reference purposes.</p> 	<p>3.7 VIGIL Media Server</p> <p>Inbound: N/A</p> <p>Outbound:</p> <ol style="list-style-type: none"> 168.62.16.247:443 media.windows.net 168.63.132.35:443 media.windows.net 70.37.92.127:443 wamsprodglobal001acs.accesscontrol.windows.net 168.62.52.104:443 wamsbluclus001rest-hs.cloudapp.net 40.71.240.16: 443 3xstore.blob.core.windows.net **NEW** 13.66.226.80: 80 cloudapi.3xlogicip.com **NEW** <p>Note: These ports must be opened to enable the VIGIL Media Server to upload video for use with VIGIL Trends. Opening the above ports will only be necessary on highly-restrictive networks which limit outbound port traffic.</p> 

4 Contact Information

If you require more information, or if you have any questions or concerns, please contact 3xLOGIC Support:

Email: helpdesk@3xlogic.com

Online: www.3xlogic.com