

NightWatchman Enterprise communication ports

1E NightWatchman Agent and 1E WakeUp client



For NightWatchman Enterprise 7.2.500 and later, the legacy 1E Agent has been split into **1E NightWatchman Agent** and 1E WakeUp client module of the **1E Client**.

| Port | Traffic | Notes | Configurable |
|---------------|----------------------|---------------------------------------------------------|--------------|
| UDP 1776 | Inbound and Outbound | Communication with 1E WakeUp client and magic packets. | |
| TCP 80 (HTTP) | Outbound | Communication with the NightWatchman Web service. | |
| TCP 80 (HTTP) | Outbound | Communication with the NightWatchman Management Center. | |

- RPC/WMI with admin rights is required between 1E NightWatchman Agent (NWM) when using a remote NightWatchman.exe command-line
- Incoming Internet Control Message protocol (ICMP) must be whitelisted on routers. It is used by the **1E WakeUp Server** to discover 1E WakeUp clients.

The 1E WakeUp client and 1E NightWatchman Agent can each use both HTTP and HTTPS protocols, configurable during installation using command-line installer properties, and after installation by changing registry values. YOU can set values so that the client agents communicate with the NightWatchman Management Center Web Service using the following protocols and security levels in the following order:

1. HTTP.
2. HTTPS without certificate.
3. HTTPS using certificate subject match.
4. HTTPS using certificate issuer match.

ActiveEfficiency

ActiveEfficiency is required only for the NightWatchman catalog update service, which is not used by NightWatchman 7.2.500 and later.

| Port | Traffic | Notes | Configurable |
|-----------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| TCP 135 (RPC) | Between NightWatchman and ActiveEfficiency servers | Communication with the queue managers. A dynamic port typically assigned by remote procedure calls (RPC) for handshaking with an independent client or with an RPC server for the message queuing server to determine the fixed ports. | |
| TCP 1801 (MSMQ) | Between NightWatchman and ActiveEfficiency servers | Communication with the queue managers. | |

NightWatchman admin console

| Port | Traffic | Notes | Configurable |
|----------------|----------|-------------------------------------------------------|--------------|
| TCP 8732 (SMB) | Outbound | Communication with the NightWatchman console service. | |

NightWatchman console service

| Port | Traffic | Notes | Configurable |
|---------------------|----------|------------------------------------------------------|--------------|
| TCP 1443 (ADO .NET) | Outbound | Communication with the NightWatchman (AFR) database. | |
| TCP 135 (RPC) | Outbound | Communication with the ActiveEfficiency server. | |

Import wizard

| Port | Traffic | Notes | Configurable |
|---------------------|----------|------------------------------------------------------|--------------|
| TCP 1443 (ADO .NET) | Outbound | Communication with the NightWatchman (AFR) database. | |

Reporting console

| Port | Traffic | Notes | Configurable |
|---------------------|----------|---------------------------------------------------------|--------------|
| TCP 80 (HTTP) | Inbound | Communication with the NightWatchman Reporting Website. | |
| TCP 1443 (ADO .NET) | Outbound | Communication with the NightWatchman (AFR) database. | |

NightWatchman AFWebService website

| Port | Traffic | Notes | Configurable |
|---------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| TCP 80 (HTTP) | Inbound | Communication with the NightWatchman and WakeUp 1E WakeUp client and from WakeUp Server for registration, boundary maintenance and statistics reporting Communication with the database. | |
| TCP 8732 | Inbound | Communication with the Import wizard and NightWatchman Admin console. | |
| TCP 8750 | Inbound | Communication with Web WakeUp. | |
| TCP 1443 (ADO .NET) | Outbound | Communication with the NightWatchman (AFR) database. | |

Web Wakeup

| Port | Traffic | Notes | Configurable |
|----------|----------|---------------------------------------------------|--------------|
| TCP 8750 | Outbound | Communication with the NightWatchman Web service. | |

WakeUp Server service

The WakeUp Server also has an installation of a WakeUp client and should therefore included their communications.

| Port | Traffic | Notes | Configurable |
|-----------------|----------|---------------------------------------------------|--------------|
| TCP 443 (HTTPS) | Outbound | Communication with the NightWatchman Web service. | |
| TCP 1777 | Inbound | Communication with 1E WakeUp clients. | |
| TCP 1776 | Outbound | Communication with 1E WakeUp clients. | |

- IPv4 network is necessary
- RPC/WMI incoming from the NightWatchman Management Center Console service, any remote WakeUp Server consoles, any SCCM Console WakeUp extensions. Potentially used by custom WakeUp applications, however Web WakeUp is recommended instead for custom wakeup applications)
- Internet Control Message protocol (ICMP) must be whitelisted on routers. It is used by the WakeUp server to discover 1E WakeUp clients (WakeUp).

Things to bear in mind

- RPC/WMI incoming from the NightWatchman Management Center server and any remote consoles.
- Incoming Internet Control Message protocol (ICMP) must be whitelisted on routers. It is used by the WakeUp server to discover agents.
- Port 135 is a dynamic port typically assigned by remote procedure calls (RPC) for handshaking with an independent client or with an RPC server for the message queuing server to determine the fixed ports.
- IPv4 network is necessary