

## Which ports does ESET Remote Administrator use? (6.x)

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<https://support.eset.com/kb3608>

The table below lists all possible network communication ports used when ESET Remote Administrator and its components are installed in your environment. Other communication occurs via the native operating system processes (for example, NetBIOS over TCP/IP).

### Important!

The pre-defined ports 2222, 2223 can be changed if they are already in use by other applications.

All the ports listed below must not be used by other applications.

Make sure to configure firewall(s) within your environment to allow for communication via the ports listed below.

### ERA Server:

| Protocol | Port | Usage                | Description  |
|----------|------|----------------------|--|
| TCP      | 2222 | ERA Server listening | Communication between ERA Agents and ERA Server                                      |
| TCP      | 2223 | ERA Server listening | Communication between ERA Web Console and ERA Server, used for Assisted installation |

### ERA Web Console running on the Apache Tomcat web server:

| Protocol | Port | Usage     | Description               |
|----------|------|-----------|---------------------------|
| TCP      | 443  | Listening | HTTP SSL Web Console call |

## ERA Proxy:

| Protocol | Port | Usage     | Description                                    |
|----------|------|-----------|--|
| TCP      | 2222 | Listening | Communication between ERA Agents and ERA Proxy |

## Apache HTTP Proxy:

| Protocol | Port | Usage     | Description                 |
|----------|------|-----------|-----------------------------|
| TCP      | 3128 | Listening | HTTP Proxy (update caching) |

## ERA Agent:

| Protocol | Port | Usage     | Description           |
|----------|------|-----------|-----------------------|
| UDP      | 1237 | Listening | Wake-Up Call for IPv4 |
| UDP      | 1238 | Listening | Wake-Up Call for IPv6 |

## Mobile Device Connector:

| Protocol | Port           | Usage     | Description  |
|----------|----------------|-----------|--|
| TCP      | 9977           |           | Internal communication between Mobile Device Connector and ERA Agent |
| TCP      | 9978           |           | Internal communication between Mobile Device Connector and ERA Agent |
| TCP      | 9980           | Listening | Mobile device enrollment   |
| TCP      | 9981           | Listening | Mobile device communication  |
| TCP      | 5223           |           | External communication with Apple Push Notification services         |
| TCP      | 2195           |           | Sending notifications to Apple Push Notification services            |
| TCP      | 2196           |           | Apple Push Notification feedback service                             |
| TCP      | 443            |           | Fallback on Wi-Fi only, when devices can't reach APNs on port 5223   |
| TCP      | 5228,5229,5230 |           | Sending notifications to Google Cloud Messaging                      |

## ERA Agent - used for remote deployment of ERA Agent to a target computer with Windows OS:

| Protocol | Port | Usage  | Description   |
|----------|------|--|---|
| TCP      | 139  | Target port from the point of view of ERA Server | Using the share ADMIN\$   |
| TCP      | 445  | Target port from the point of view of ERA Server | Direct access to shared resources using TCP/IP during remote installation (an alternative to TCP 139) |
| UDP      | 137  | Target port from the point of view of ERA Server | Name resolution during remote install   |
| UDP      | 138  | Target port from the point of view of ERA Server | Browse during remote install  |

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## Related articles:

[Change the port used by the ESET Remote Administrator Web Console \(6.x\)](#)

- Tags
- [ERA 6.x](#)
- [Port](#)