



Port Utilization in SocialMiner

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Port Utilization Table Columns

The columns in the port utilization tables in this document describe the following:

Listener (Process or Application Protocol)

A value representing the server or application and where applicable, the open or proprietary application protocol.

Listener Protocol and Port

An identifier for the TCP or UDP port that the server or application is listening on, along with the IP address for incoming connection requests when acting as a server.

Remote Device (Process or Application Protocol)

The remote application or device making a connection to the server or service specified by the protocol; or listening on the remote protocol and port.

Remote Protocol and Port

The identifier for the TCP or UDP port that the remote service or application is listening on, along with the IP address for incoming connection requests when acting as the server.

Traffic Direction

The direction that traffic flows through the port: Inbound, Bidirectional, Outbound.



Note

- The operating system dynamically assigns the source port that the local application or service uses to connect to the destination port of a remote device. In most cases, this port is assigned randomly above TCP/UDP 1024.
 - For security reasons, keep open only the ports mentioned in this guide and those required by your application. Keep the rest of the ports blocked.
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SocialMiner Port Utilization

Table 1: SocialMiner Port Utilization

Listener (Process or Application Protocol)	Listener Protocol and Port	Remote Device (Process or Application Protocol)	Remote Protocol and Port	Traffic Direction	Notes
Email notifications	Port 25	—	—	Outward, from SocialMiner to the configured email server.	SocialMiner communicates with the configured email server (that can be in the corporate intranet or on the internet) to send email notifications.
HTTP	Port 80	—	—	Bidirectional	Used for unsecure (HTTP) traffic: <ul style="list-style-type: none"> • From the SocialMiner user interface (browser) or APIs to the SocialMiner server. • From the internet or corporate website to the SocialMiner server. SocialMiner receives incoming chat and callback requests from the internet or corporate website over HTTP.
HTTPS	Port 443	—	—	Bidirectional	Used for secure (HTTPS) traffic: <ul style="list-style-type: none"> • From the SocialMiner user interface (browser) or APIs to the SocialMiner server. • From the internet or corporate website to the SocialMiner server. SocialMiner receives incoming chat and callback requests from the internet or corporate website over HTTPS.

Listener (Process or Application Protocol)	Listener Protocol and Port	Remote Device (Process or Application Protocol)	Remote Protocol and Port	Traffic Direction	Notes
Email notifications SSL/TLS	Port 465 (configurable)	—	—	Outward, from SocialMiner to the configured email server.	SocialMiner communicates with the configured email server (that can be in the corporate intranet or on the internet) to send email notifications.
Email (SMTP)	Port 587 (configurable in Unified CCX Administration)	—	—	Outward, from SocialMiner to the Exchange Server.	Used by the Email Reply API to send email. The Email Reply API uses SMTP to send a response to a customer email message.
Email (secure IMAP/IMAPS)	Port 993 (configurable in Unified CCX Administration)	—	—	Outward, from SocialMiner to the Exchange Server.	Used by email feeds to retrieve email. IMAPS allows email feeds to fetch email from the Exchange Servers and allows the Email Reply API to retrieve email and save draft email messages.
SocialMiner Chat Gateway webhook interface (HTTPS)	Port 10443	—	—	Unidirectional, Inward from Internet to Cisco SocialMiner server.	This TCP port is enabled for public access to the SocialMiner Chat Gateway webhook interface.
Reporting	Port 1526	—	—	Inward, from CUIC to the SocialMiner server.	CUIC communicates with SocialMiner to gather reporting information.
XMPP (IM) notifications using an external XMPP server	Port 5222 (configurable)	—	—	Bidirectional	SocialMiner communicates with the configured XMPP Notifications server (that can be in the corporate intranet or on the internet) to send XMPP (IM) notifications. Outward, from SocialMiner to the configured XMPP Notifications server.

Listener (Process or Application Protocol)	Listener Protocol and Port	Remote Device (Process or Application Protocol)	Remote Protocol and Port	Traffic Direction	Notes
Notification Service (XMPP eventing over TCP sockets)	Port 5222	—	—	Bidirectional	SocialMiner listens for incoming TCP socket connections to register and send XMPP events. Unified CCX uses this port to receive social contact events. Inward, from CCX to the SocialMiner server.
Eventing and chat (BOSH)	Port 7071	—	—	Bidirectional	The unsecure BOSH connection supports eventing and chat communication between the SocialMiner user interface and the SocialMiner server.
Eventing and chat (secure BOSH)	Port 7443 is used for secure BOSH connections to the XMPP eventing server.	—	—	Bidirectional	The secure BOSH connection supports eventing and chat communication between the SocialMiner user interface and the SocialMiner server.