

## Incoming ports

The following table identifies the incoming ports for FortiAnalyzer and how the ports interact with other products:

Product	Purpose	Protocol and Port
FortiAnalyzer	HA*	TCP/5199
FortiAI	Logging	UDP/514
FortiAuthenticator	Logging	UDP/514
FortiAP-S	Syslog, OFTP, registration, quarantine, Log & Report	TCP/514
FortiMail	Syslog	UDP/514
FortiClient	Logs from Windows/macOS/Linux	TCP/514
	Logs from Chromebook	TCP/8443
	Fabric Member	TLS/443
	Syslog	UDP/514 or TCP/514
FortiPortal	API communications (JSON and XML)	TCP/443, TCP/8080
FortiGate	OFTP	TCP/514
FortiManager	OFTP	TCP/514
	Syslog	UDP/514
	Management	TCP/541
FortiRecorder	Logging, management	TCP/21, TCP/80, TCP/443, TCP/3011, TCP/3010 UDP/554 by default, but can change to TCP/554
Management	SSH	TCP/22
	Web Admin	TCP/80, TCP/443
	REST API, XML API	TCP/443
	DC polling	TCP/445
	Log aggregation	TCP/3000

\*Only the acting Primary device will listen on this port.

## Outgoing Ports

The following table identifies the outgoing ports for FortiAnalyzer and how the ports interact with other products:

Product	Purpose	Protocol and Port
<b>FortiAnalyzer</b>	HA	TCP/5199
<b>FortiGuard</b>	AV/IPS, SMS, FTM, Licensing, Policy Override, RVS, GeoIP	TCP/443
	Sprite map updates, Web GUI	<a href="https://productapi.fortinet.com">https://productapi.fortinet.com</a> <a href="https://filestore.fortinet.com">https://filestore.fortinet.com</a>
	Google Maps license management	<a href="https://mapserver.fortinet.com">https://mapserver.fortinet.com</a>
<b>FortiRecorder Cameras</b>	Polling for camera discovery (broadcast)	UDP/6666, UDP/59123
<b>FortiPortal</b>	Logging	TCP/514, UDP/514
<b>Non-Fortinet</b>	LDAP & PKI authentication	TCP/389, UDP/389
	Log & report	TCP/20, TCP/21, TCP/22
	Configuration backups	TCP/22
	Alert email	TCP/25
	DNS	UDP/53, TCP/53
	NTP	UDP/123
	SNMP traps	UDP/162
	Report query	TCP/389, UDP/389
	Syslog	UDP/514
	OFTP	TCP/514
	RADIUS	UDP/1812
Google Maps integration*	<a href="https://maps.google.com">https://maps.google.com</a> <a href="https://maps.googleapis.com">https://maps.googleapis.com</a> <a href="https://fonts.googleapis.com">https://fonts.googleapis.com</a>	
<b>Fortinet Registry</b>	Management Extension Applications download (for example, FortiWLM MEA)	TCP/443, TCP/4443 <a href="https://registry.fortinet.com">https://registry.fortinet.com</a>

\* These URLs must be accessible by the admin user's PC for Google Maps integration. See [Google Map integration](#).

## Anycast and unicast services

The following service are accessed by FortiAnalyzer:

Service	Non-Anycast FQDN address	Anycast domain name
AV-IPS packages	fds1.fortinet.com usfds1.fortinet.com	globalupdate.fortinet.net usupdate.fortinet.net globalupdate2.fortinet.net* usupdate2.fortinet.net*
AV-IPS packages (FortiClient)	forticlient.fortinet.com usforticlient.fortinet.com	globalfctupdate.fortinet.net fctusupdate.fortinet.net
GeoIP	gip.fortinet.net usfqsvr.fortinet.net	globalupdate.fortinet.net usupdate.fortinet.net globalupdate2.fortinet.net* usupdate2.fortinet.net*

\* These domain names are used when the FortiGuard Anycast source is set to AWS in FortiAnalyzer. See the [FortiAnalyzer CLI Reference](#)

## Change Log

Date	Change Description
2021-06-07	Initial release.
2022-03-21	Updated <a href="#">Incoming ports on page 1</a> .
2022-03-31	Updated <a href="#">Incoming ports on page 1</a> .
2022-12-05	Updated <a href="#">Incoming ports on page 1</a> .
2023-10-19	Added <a href="#">Anycast and unicast services on page 3</a> .
2024-01-18	Updated <a href="#">Outgoing Ports on page 2</a> .
2024-01-25	Updated <a href="#">Incoming ports on page 1</a> and <a href="#">Outgoing Ports on page 2</a> for FortiAnalyzer HA.