



Reference Guide

FortiSASE 24.3



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Introduction

A cloud-based SaaS service, FortiSASE, is available. With FortiSASE, you can ensure to protect remote, off-net endpoints with the same security policies as when they are on-net, no matter their location. The service is available through a subscription based on the number of endpoints or users.

This document provides FortiSASE reference information.

Global data centers

The following table provides global data center information for FortiSASE. See [Appendix A - FortiSASE data centers](#) for dynamic feed details.

To view real-time information on the current status of data centers, go to <https://status.fortisase.com> and click the plus sign (+) next to *Fortinet Cloud Locations* or *Public Cloud Locations*. The following table lists public cloud locations with network edge capabilities in addition to the public cloud locations with security capabilities:

Cloud	Location	Analytics and end-point management supports data at rest encryption	Endpoint management location	Availability
Fortinet	Ashburn - Virginia - USA (IAD-F1)	Yes	N/A	Any subscription
Fortinet	Bangalore - India (BLR-F1)	Yes	N/A	Any subscription
Fortinet	Burnaby - Canada (YVR-F1)	Yes	N/A	Any subscription
Fortinet	Dallas - Texas - USA (DFW-F1)	Yes	N/A	Any subscription
Fortinet	Dubai - United Arab Emirates (DXB-F1)	Yes	N/A	Any subscription
Fortinet	Dubai - United Arab Emirates (DXB-F2) To comply with UAE regulations and to avoid latency issues, On-shore (domestic) customers must use this location.	Yes	N/A	Any subscription
Fortinet	Frankfurt - Germany (FRA-F1)	Yes	Yes	Any subscription
Fortinet	Hong Kong (HKG-F1)	Yes	N/A	Any subscription
Fortinet	Istanbul – Turkey (IST-F1)	Yes	N/A	Advanced or Comprehensive subscription

Cloud	Location	Analytics and end-point management supports data at rest encryption	Endpoint management location	Availability
Fortinet	Johannesburg - South Africa (JNB-F1)	Yes	N/A	Any subscription
Fortinet	Komagome - Japan (TYO-F1)	No	Yes	Any subscription
Fortinet	London - United Kingdom (LON-F1)	Yes	Yes	Any subscription
Fortinet	Miami - Florida - USA (MIA-F1)	Yes	N/A	Any subscription
Fortinet	Ottawa - Canada (YOW-F1)	No	N/A	Any subscription
Fortinet	Paris - France (PAR-F1)	Yes	N/A	Any subscription
Fortinet	Pune - India (PNQ-F1)	Yes	N/A	Any subscription
Fortinet	San Jose - California - USA (SJC-F1)	Yes	Yes	Any subscription
Fortinet	Singapore - Republic of Singapore (SIN-F1)	Yes	N/A	Any subscription
Fortinet	Sydney - Australia (SYD-F1)	Yes	Yes	Any subscription
Fortinet	Tokyo - Japan (TYO-F2)	No	Yes	Any subscription
Fortinet	Toronto - Canada (YTO-F1)	Yes	N/A	Any subscription
Fortinet	Valbonne - France (NCE-F1)	Yes	N/A	Any subscription
Fortinet	Vancouver - Canada (YVR-F2)	Yes	N/A	Any subscription
Public	Amsterdam - Netherlands (AMS-G2)	Yes	No	Comprehensive Subscription
Public	Ashburn - Virginia - USA (IAD-G2)	Yes	No	Comprehensive Subscription

Cloud	Location	Analytics and end-point management supports data at rest encryption	Endpoint management location	Availability
Public	Dammam - Saudi Arabia (DMM-G2)	Yes	No	Comprehensive Subscription
Public	Doha - Qatar (DOH-G2)	Yes	No	Comprehensive Subscription
Public	Hamina - Finland (HEL-G2)	Yes	No	Comprehensive Subscription
Public	Hong Kong – China (HKG-G2)	Yes	No	Comprehensive Subscription
Public	Jakarta - Indonesia (JKT-G2)	Yes	No	Comprehensive Subscription
Public	Johannesburg - South Africa (JNB-G2)	N/A	N/A	Comprehensive Subscription
Public	Las Vegas - Nevada - USA (LAS-G2)	Yes	No	Comprehensive Subscription
Public	Madrid - Spain (MAD-G2)	Yes	No	Comprehensive Subscription
Public	Melbourne - Australia (MEL-G2)	Yes	No	Comprehensive Subscription
Public	Milan - Italy (MIL-G2)	Yes	No	Comprehensive Subscription
Public	Mumbai - India (BOM-G2)	Yes	No	Comprehensive Subscription
Public	Osaka - Japan (OSA-G2)	Yes	No	Comprehensive Subscription
Public	Portland - Oregon - USA (PDX-G2)	Yes	No	Comprehensive Subscription
Public	Santiago - Chile (SCL-G2)	Yes	No	Comprehensive Subscription
Public	São Paulo - Brazil (SAO-G2)	Yes	No	Comprehensive Subscription
Public	Seoul - South Korea (SEL-G2)	Yes	No	Comprehensive Subscription
Public	Taipei - Taiwan (TPE-G2)	Yes	No	Comprehensive Subscription

Cloud	Location	Analytics and end-point management supports data at rest encryption	Endpoint management location	Availability
Public	Tel Aviv - Israel (TLV-G2)	Yes	No	Comprehensive Subscription
Public	Athens - Greece (ATH-E1)	N/A	N/A	Comprehensive Subscription
Public	Atlanta - Georgia - USA (ATL-E1)	N/A	N/A	Comprehensive Subscription
Public	Auckland - New Zealand (AKL-E1)	N/A	N/A	Comprehensive Subscription
Public	Aurora - Illinois - USA (ORD-E1)	N/A	N/A	Comprehensive Subscription
Public	Austin - Texas - USA (AUS-E1)	N/A	N/A	Comprehensive Subscription
Public	Bangkok - Thailand (BKK-E1)	N/A	N/A	Comprehensive Subscription
Public	Barcelona - Spain (BCN-E1)	N/A	N/A	Comprehensive Subscription
Public	Berlin - Germany (BER-E1)	N/A	N/A	Comprehensive Subscription
Public	Bogotá - Colombia (BOG-E1)	N/A	N/A	Comprehensive Subscription
Public	Boston - Massachusetts - USA (BOS-E1)	N/A	N/A	Comprehensive Subscription
Public	Brisbane - Australia (BNE-E1)	N/A	N/A	Comprehensive Subscription
Public	Brussels - Belgium (BRU-E1)	N/A	N/A	Comprehensive Subscription
Public	Bucharest - Romania (OTP-E1)	N/A	N/A	Comprehensive Subscription
Public	Budapest - Hungary (BUD-E1)	N/A	N/A	Comprehensive Subscription
Public	Buenos Aires - Argentina (EZE-E1)	N/A	N/A	Comprehensive Subscription
Public	Busan - South Korea (PUS-E1)	N/A	N/A	Comprehensive Subscription

Cloud	Location	Analytics and end-point management supports data at rest encryption	Endpoint management location	Availability
Public	Calgary - Canada (YYC-E1)	N/A	N/A	Comprehensive Subscription
Public	Canberra - Australia (CBR-E1)	N/A	N/A	Comprehensive Subscription
Public	Chennai - India (MAA-E1)	N/A	N/A	Comprehensive Subscription
Public	Chicago - Illinois – USA (CHI-E1)	N/A	N/A	Comprehensive Subscription
Public	Columbus - Ohio - USA (CMH-E1)	N/A	N/A	Comprehensive Subscription
Public	Copenhagen - Denmark (CPH-E1)	N/A	N/A	Comprehensive Subscription
Public	Council Bluffs - Iowa - USA (OMA-E1)	N/A	N/A	Comprehensive Subscription
Public	Dallas - Texas - USA (DFW-E1)	N/A	N/A	Comprehensive Subscription
Public	Delhi - India (DEL-E1)	N/A	N/A	Comprehensive Subscription
Public	Denver - Colorado - USA (DEN-E1)	N/A	N/A	Comprehensive Subscription
Public	Dubai - United Arab Emirates (DXB-E1)	N/A	N/A	Comprehensive Subscription
Public	Dublin - Ireland (DUB-E1)	N/A	N/A	Comprehensive Subscription
Public	Düsseldorf - Germany (DUS-E1)	N/A	N/A	Comprehensive Subscription
Public	Frankfurt - Germany (FRA-E1)	N/A	N/A	Comprehensive Subscription
Public	Fujairah - United Arab Emirates (FJR-E1)	N/A	N/A	Comprehensive Subscription
Public	Geneva - Switzerland (GVA-E1)	N/A	N/A	Comprehensive Subscription
Public	Hamburg - Germany	N/A	N/A	Comprehensive

Cloud	Location	Analytics and end-point management supports data at rest encryption	Endpoint management location	Availability
	(HAM-E1)			Subscription
Public	Houston - Texas - USA (IAH-E1)	N/A	N/A	Comprehensive Subscription
Public	Hsinchu - Taiwan (TPE-E1)	N/A	N/A	Comprehensive Subscription
Public	Hyderabad - India (HYD-E1)	N/A	N/A	Comprehensive Subscription
Public	Kansas City - Missouri - USA (MCI-E1)	N/A	N/A	Comprehensive Subscription
Public	Kolkata - India (CCU-E1)	N/A	N/A	Comprehensive Subscription
Public	Kuala Lumpur - Malaysia (KUL-E1)	N/A	N/A	Comprehensive Subscription
Public	Kyiv - Ukraine (KBP-E1)	N/A	N/A	Comprehensive Subscription
Public	Lagos - Nigeria (LOS-E1)	N/A	N/A	Comprehensive Subscription
Public	Lisbon - Portugal (LIS-E1)	N/A	N/A	Comprehensive Subscription
Public	London - United Kingdom (LON-E1)	N/A	N/A	Comprehensive Subscription
Public	Los Angeles - California - USA (LAX-E1)	N/A	N/A	Comprehensive Subscription
Public	Manchester - United Kingdom (MAN-E1)	N/A	N/A	Comprehensive Subscription
Public	Manila - Philippines (MNL-E1)	N/A	N/A	Comprehensive Subscription
Public	Marseille - France (MRS-E1)	N/A	N/A	Comprehensive Subscription
Public	Miami - Florida - USA (MIA-E1)	N/A	N/A	Comprehensive Subscription
Public	Minneapolis - Minnesota - USA	N/A	N/A	Comprehensive Subscription

Cloud	Location	Analytics and end-point management supports data at rest encryption	Endpoint management location	Availability
	(MSP-E1)			
Public	Mombasa - Kenya (MBA-E1)	N/A	N/A	Comprehensive Subscription
Public	Montreal - Canada (YUL-E1)	N/A	N/A	Comprehensive Subscription
Public	Mumbai - India (BOM-E1)	N/A	N/A	Comprehensive Subscription
Public	Munich - Germany (MUC-E1)	N/A	N/A	Comprehensive Subscription
Public	Muscat - Oman (MCT-E1)	N/A	N/A	Comprehensive Subscription
Public	New York - New York - USA (JFK-E1)	N/A	N/A	Comprehensive Subscription
Public	Oslo - Norway (OSL-E1)	N/A	N/A	Comprehensive Subscription
Public	Palo Alto - California - USA (SFO-E1)	N/A	N/A	Comprehensive Subscription
Public	Paris - France (PAR-E1)	N/A	N/A	Comprehensive Subscription
Public	Perth - Australia (PER-E1)	N/A	N/A	Comprehensive Subscription
Public	Philadelphia - Pennsylvania - USA (PHL-E1)	N/A	N/A	Comprehensive Subscription
Public	Phoenix - Arizona - USA (PHX-E1)	N/A	N/A	Comprehensive Subscription
Public	Prague - Czechia (PRG-E1)	N/A	N/A	Comprehensive Subscription
Public	Querétaro - Mexico (QRO-E1)	N/A	N/A	Comprehensive Subscription
Public	Rio de Janeiro - Brazil (GIG-E1)	N/A	N/A	Comprehensive Subscription
Public	Rome - Italy (FCO-E1)	N/A	N/A	Comprehensive Subscription
Public	Salt Lake City - Utah	N/A	N/A	Comprehensive

Cloud	Location	Analytics and end-point management supports data at rest encryption	Endpoint management location	Availability
	- USA (SLC-E1)			Subscription
Public	San Antonio - Texas - USA (SAT-E1)	N/A	N/A	Comprehensive Subscription
Public	San Jose - California - USA (SJC-E1)	N/A	N/A	Comprehensive Subscription
Public	Santa Clara - California - USA (SJC-E2)	N/A	N/A	Comprehensive Subscription
Public	Seattle - Washington - USA (SEA-E1)	N/A	N/A	Comprehensive Subscription
Public	Singapore - Republic of Singapore (SIN-E1)	N/A	N/A	Comprehensive Subscription
Public	Sofia - Bulgaria (SOF-E1)	N/A	N/A	Comprehensive Subscription
Public	Stockholm - Sweden (ARN-E1)	N/A	N/A	Comprehensive Subscription
Public	Sydney - Australia (SYD-E1)	N/A	N/A	Comprehensive Subscription
Public	Tokyo - Japan (TYO-E1)	N/A	N/A	Comprehensive Subscription
Public	Toronto - Canada (YTO-E1)	N/A	N/A	Comprehensive Subscription
Public	Turin - Italy (TRN-E1)	N/A	N/A	Comprehensive Subscription
Public	Vancouver - Canada (YVR-E1)	N/A	N/A	Comprehensive Subscription
Public	Vienna - Austria (VIE-E1)	N/A	N/A	Comprehensive Subscription
Public	Warsaw - Poland (WAW-E1)	N/A	N/A	Comprehensive Subscription
Public	Zagreb - Croatia (ZAG-E1)	N/A	N/A	Comprehensive Subscription
Public	Zürich - Switzerland (ZRH-E1)	N/A	N/A	Comprehensive Subscription

Supported cipher suites for secure external syslog server



The following lists only TLS 1.2-supported cipher suites.

Cipher
ECDHE-RSA-AES256-GCM-SHA384
ECDHE-RSA-CHACHA20-POLY1305
ECDHE-RSA-AES128-GCM-SHA256
ECDHE-RSA-AES256-SHA
ECDHE-RSA-AES128-SHA
ECDHE-RSA-DES-CBC3-SHA
AES256-GCM-SHA384
AES256-CCM
AES128-GCM-SHA256
AES128-CCM
AES256-SHA
CAMELLIA256-SHA
AES128-SHA
CAMELLIA128-SHA
DES-CBC3-SHA
TLS_RSA_WITH_CAMELLIA_128_GCM_SHA256
TLS_RSA_WITH_CAMELLIA_256_GCM_SHA384
TLS_ECDHE_RSA_WITH_CAMELLIA_128_GCM_SHA256
TLS_ECDHE_RSA_WITH_CAMELLIA_256_GCM_SHA384

Supported cipher suites for endpoint management

For data at rest, FortiSASE relies on the storage layer of its cloud platform for encryption, namely, all disk volumes are encrypted.

For FortiSASE endpoint management using FortiClient Cloud, encryption in transit protects the following traffic:

- FortiClient Telemetry traffic to TCP port 8013 on FortiClient Cloud uses a proprietary text-based protocol on top of TLS.
- FortiGate traffic to TCP port 443 on FortiClient Cloud uses a proprietary REST API on top of TLS.

The following tables list the supported TLS 1.3 and TLS 1.2 cipher suites for the above encrypted traffic.

FortiClient Telemetry to FortiClient Cloud traffic

TLS 1.3 cipher
TLS_AES_128_GCM_SHA256
TLS_AES_256_GCM_SHA384
TLS_CHACHA20_POLY1305_SHA256
TLS 1.2 cipher
ECDHE-RSA-AES256-GCM-SHA384
ECDHE-RSA-CHACHA20-POLY1305
ECDHE-ARIA256-GCM-SHA384
ECDHE-RSA-AES128-GCM-SHA256
ECDHE-ARIA128-GCM-SHA256
ECDHE-RSA-AES256-SHA384
ECDHE-RSA-CAMELLIA256-SHA384
ECDHE-RSA-AES128-SHA256
ECDHE-RSA-CAMELLIA128-SHA256
ECDHE-RSA-AES256-SHA
ECDHE-RSA-AES128-SHA

FortiGate to FortiClient Cloud REST API traffic

TLS 1.3 cipher

TLS_AES_256_GCM_SHA384

TLS_CHACHA20_POLY1305_SHA256

TLS_AES_128_GCM_SHA256

TLS 1.2 cipher

ECDHE-RSA-AES256-GCM-SHA384

ECDHE-RSA-AES128-GCM-SHA256

DHE-RSA-AES256-GCM-SHA384

DHE-RSA-AES128-GCM-SHA256

ECDHE-RSA-AES256-SHA384

ECDHE-RSA-AES256-SHA

DHE-RSA-AES256-CCM8

DHE-RSA-AES256-CCM

DHE-RSA-AES256-SHA256

DHE-RSA-AES256-SHA

ECDHE-RSA-AES128-SHA256

ECDHE-RSA-AES128-SHA

DHE-RSA-AES128-CCM8

DHE-RSA-AES128-CCM

DHE-RSA-AES128-SHA256

DHE-RSA-AES128-SHA

AES256-GCM-SHA384

AES128-GCM-SHA256

AES256-CCM8

AES256-CCM

AES128-CCM8

AES128-CCM

AES256-SHA256

AES128-SHA256

TLS 1.2 cipher

AES256-SHA

AES128-SHA

Change log

Date	Change description
2024-08-09	Initial release.
2024-09-13	Updated Global data centers on page 5 .



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