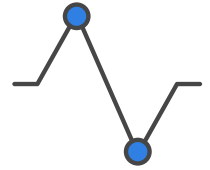


FortiDDoS



Available in



Appliance



Virtual



Hybrid

FortiDDoS is an advanced inline distributed denial of service (DDoS) mitigation system that ensures network, resource, and application availability and security, protecting from known and zero-day Layer 3 to Layer 7 DDoS attacks.

FortiDDoS's massively parallel architecture delivers the most advanced and lowest-latency DDoS attack mitigation on the market today without the packet-rate performance compromises of other vendors.

FortiDDoS's 100% packet inspection for more than 200000 parameters, inbound and outbound, at the highest packet rates, results in the fastest and most accurate detection and mitigation in the industry with extensive forensics visibility.

In place of predefined or subscription-based signatures to identify attack patterns, FortiDDoS uses autonomous machine learning to build an adaptive baseline of normal activity from hundreds of thousands of parameters and then monitors traffic patterns against those baselines. Should an attack begin, FortiDDoS sees the deviation and immediately takes action to mitigate it, often from the first packet with no operator intervention.

FortiDDoS uses unmatched "state awareness" of TCP, DNS, NTP (E/F/G-Series); plus DTLS and QUIC (F/G-Series) to stop the most frequent and largest attack types (DNS and NTP reflection floods and SYN-ACK floods) from the first packet, while competitive options are forced to create overly broad "signatures" after many seconds or minutes.

You can deploy FortiDDoS as a physical or virtual machine (VM):

- Inline on-premise appliance (E/F/G-Series)
- Inline on-premise VM on bare-metal servers (F-Series only)
- Hybrid on-premise/Cloud DDoS mitigation through our Cloud DDoS partners (E/F/G-Series)

Major customer verticals include enterprise, education, government, and hosting providers.

Product Offerings

DPDK/TP3 ACCELERATED DEVICES AND VIRTUAL MACHINES									
	VM04	VM08	VM16	200F	1500F 1500F-LR	2000F	3000G	1500E	2000E 2000E-DC
RECOMMENDED CONNECTIVITY FOR ENTERPRISE DATACENTER ENVIRONMENTS									
GE or 2xGE BGP	☑	☑	☑	☑					
2-4x GE LACP		☑ (2x GE)	☑	☑					
10GE or 2x 10GE BGP Capped at 4-5Gbps		☑	☑		☑				
10GE or 2x 10GE BGP			☑		☑	☑	☑	☑	☑
2x10GE LACP					☑	☑	☑	☑	☑
2x10GE + 2x10GE BGP						☑	☑	☑	☑
4x10GE LACP								☑	☑
40GE or 2x40GE BGP						☑	☑	☑	☑
100GE or 2x 100GE BGP							☑		☑
PERFORMANCE									
Enterprise Inspected Throughput (Gbps)	3	5	10	8	22	39	85	45	90
Small UDP Inspected Throughput (Mpps)	4	6	10	9	27	52	104	38	77
SYN Validation Throughput (Mpps)	2.6	5	5	5.3	19	40	55	27	55
OTHER CAPACITIES									
Max Service Protection Profiles (SPP)	4	8	16	8	16	16	16	8	8
Max Protected Subnets	512 per SPP	512 per SPP	512 per SPP	512 per SPP	1024 per SPP	1024 per SPP	1024 per SPP	> 2000 per system	> 2000 per system
Dual Power Supplies				AC	AC	AC	AC	AC	AC/DC
Form Factor				1 RU	2 RU	2 RU	2 RU	2 RU	2 RU
INTERFACES									
10/100/1000 Mbps	MAXIMUM 8 PORTS WITH NATIVE DATA RATES BASED ON THE RECOMMENDED CONNECTIVITY ABOVE.			8					
GE SFP				4					
GE LC SR with Optical Bypass				4					
10GE SFP+				4	4	4	16	16	
10GE LC SR with Optical Bypass	4								
40GE QSFP+						4	4	4	4
100GE QSFP28									
Optical Bypass for 10GE/40GE LC 1310/1550nm						4			
Optical Bypass for 10GE/40GE/100GE LC 1310/1550nm							4	4	4
SECURITY SERVICES									
IP and Domain Reputation Subscriptions	Optional and not required for enterprise DDoS mitigation								
ADDITIONAL SERVICES									
24x7 Support	☑	☑	☑	☑	☑	☑	☑	☑	☑

To download datasheets, case studies, and other product information, see <https://www.fortinet.com/products/ddos/fortiddos>.



Order Information

DPDK/TP3 ACCELERATED DEVICES								
PRODUCT	200F	1500F	1500F-LR	2000F	3000G	1500E	2000E	2000E-DC
Device	FDD-200F	FDD-1500F	FDD-1500F-LR	FDD-2000F	FDD-3000G	FDD-1500E	FDD-2000E	FDD-2000E-DC
IP Reputation	FC-10-FI2HF-140-02-DD	FC-10-F1K5F-140-02-DD	FC-10-F15SF-140-02-DD	FC-10-FD2KF-140-02-DD	FC-10-FI3KG-140-02-DD	FC-10-F1K5E-140-02-DD	FC-10-FD2KE-140-02-DD	FC-10-F2KED-140-02-DD
Domain Reputation	FC-10-FI2HF-191-02-DD	FC-10-F1K5F-191-02-DD	FC-10-F15SF-191-02-DD	FC-10-FD2KF-191-02-DD	FC-10-FI3KG-191-02-DD	FC-10-F1K5E-191-02-DD	FC-10-FD2KE-191-02-DD	FC-10-F2KED-191-02-DD
SUPPORT								
1/3/5-year 24x7 Support	FC-10-FI2HF-247-02-DD	FC-10-F1K5F-247-02-DD	FC-10-F15SF-247-02-DD	FC-10-FD2KF-247-02-DD	FC-10-FI3KG-247-02-DD	FC-10-F1K5E-247-02-DD	FC-10-FD2KE-247-02-DD	FC-10-F2KED-247-02-DD

VIRTUAL MACHINES			
PRODUCT	VM04	VM08	VM16
Perpetual VM License	FDD-VM04	FDD-VM08	FDD-VM16
IP Reputation	FC-10-FIM04-140-02-DD	FC-10-FIM08-140-02-DD	FC-10-FIM16-140-02-DD
Domain Reputation	FC-10-FIM04-191-02-DD	FC-10-FIM08-191-02-DD	FC-10-FIM16-191-02-DD
SUPPORT			
1/3/5-year 24x7 Support	FC-10-FIM04-248-02-DD	FC-10-FIM08-248-02-DD	FC-10-FIM16-248-02-DD



Fortinet Training and Certification

FortiDDoS-F Series Training

Learn how to form network baseline data, and how to recognize and mitigate individual and distributed denial of service attacks while preserving service and network performance.

Course Details

For prerequisites, agenda topics, and learning objectives, visit: https://training.fortinet.com/local/staticpage/view.php?page=library_fortiddos

Training Offering

For training SKUs, purchasing, and delivery options, visit: https://training.fortinet.com/local/staticpage/view.php?page=purchasing_process



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