



DYNAMIC THREAT DEFENSE

Prevent zero-day threats with powerful
cloud-based sandboxing

CYBERSECURITY
EXPERTS ON YOUR SIDE

ESET Dynamic Threat Defense provides another layer of security for ESET offerings like Mail Security and Endpoint products by utilising a cloud-based sandboxing technology to detect new, never-before-seen types of threats, especially ransomware. This sandbox consists of multiple types of sensors that complete static analysis of code, deep inspection of the sample with machine learning, in-memory introspection and behaviour-based detection.

The ESET difference

MULTILAYERED PROTECTION

Within Dynamic Threat Defense, ESET utilises three different machine learning models once a file is submitted. After that, it runs the sample through a full sandbox, which simulates user behaviour to trick anti-evasive techniques. Next, a deep learning neural network is used to compare the behaviour seen against historical behavioural data. Last but not least, the latest version of ESET's scanning engine is used to take everything apart and analyse for anything unusual.

FULL VISIBILITY

The final result of every analysed sample can be viewed in the ESET PROTECT console. On top of that, customers with licences of 100 seats or more receive a full report with detailed information about samples and their behaviour observed during analysis in the sandbox, all delivered in an easy-to-understand form. Not only do we display samples that were sent to ESET Dynamic Threat Defense, but also everything sent to ESET's Cloud Malware Protection System – ESET LiveGrid®.

MOBILITY

Nowadays, customers are increasingly working remotely and not on-premise. That is why ESET Dynamic Threat Defense can analyse files no matter where users are. The best part is that if anything malicious is detected, the entire company is immediately protected.

UNPARALLELED SPEED

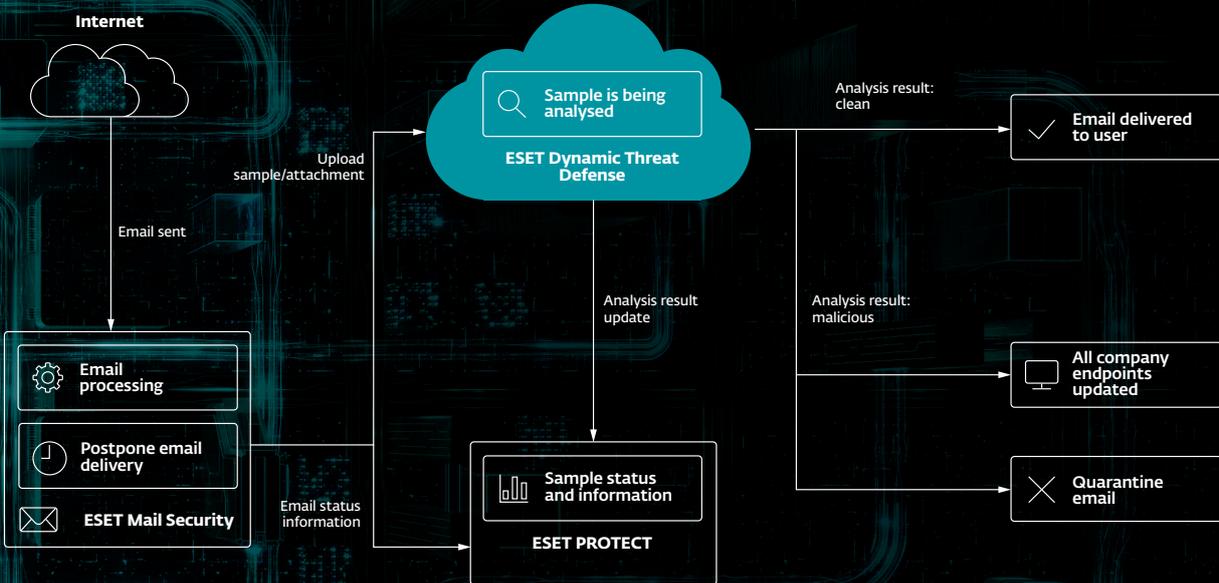
Every minute counts, which is why ESET Dynamic Threat Defense is able to analyse the majority of samples in under five minutes. If a sample was previously analysed, it is simply a few seconds until all devices at your organisation are protected.

PROVEN AND TRUSTED

ESET has been in the security industry for over 30 years, and we continue to evolve our technology to stay one step ahead of the newest threats. This has led us to be trusted by over 110 million users worldwide. Our technology is constantly scrutinised and validated by third-party testers, who show how effective our approach is at stopping the latest threats.

HOW ESET Dynamic Threat Defense works

With ESET Mail Security



ESET PROTECT

Submitted Files

FILE	STATUS	STATE	FIRST SENT ON	LAST PROCESSED ON	COMPUTER	CATEGORY	REASON	SENT TO	HASH	SIZE	USER
file\\(C:\Prog..._a13b0b1AP.dll	Finished	Finished	2018 Mar 13 03:07:09	2018 Mar 13 09:06:52	ESET Endpoint	Executable	Automatic	Dynamic Threat Defense	262C8437F96D9098B3487F1C...	199 KB	NT AUTHORITY\SYSTEM
file\\(C:\Prog..._a_installer.exe	Sent to LiveGrid	Finished	2018 Mar 12 16:16:22		ESET Mail Security	Executable	Automatic	LiveGrid	04F2D3D4AC3872CF9E53A95F4...	161 KB	ESETDRM\Administrator
file\\(C:\Prog..._ng_bootstray.js	Finished	Finished	2018 Mar 12 02:03:27	2018 Mar 12 02:06:10	ESET Endpoint	Script	Automatic	Dynamic Threat Defense	876448C84F31D486FDCA330A...	20 KB	NT AUTHORITY\SYSTEM
file\\(C:\Prog..._ssing\spad.js	Finished	Finished	2018 Mar 12 02:03:26	2018 Mar 12 02:06:06	ESET Endpoint	Script	Automatic	Dynamic Threat Defense	23A3A442D9F7818917792A4813...	24 KB	NT AUTHORITY\SYSTEM
file\\(C:\Prog..._ssing\omema.js	Finished	Finished	2018 Mar 12 02:03:26	2018 Mar 12 02:06:07	ESET Endpoint	Script	Automatic	Dynamic Threat Defense	A1DC8407777811365A0F32E012...	31 KB	NT AUTHORITY\SYSTEM
file\\(C:\work..._120520147809	Finished	Finished	2018 Mar 9 13:36:52	2018 Mar 9 13:43:41	ESET Endpoint	Executable	Automatic	Dynamic Threat Defense	C41C8C848811365A0F32E012...	1 MB	ESETDRM\Administrator
file\\(C:\work..._#173489421bc3	Sent to LiveGrid	Finished	2018 Mar 9 13:33:40		ESET Endpoint	Executable	Automatic	LiveGrid	8F690FA685482E4AC82C38FF...	508 KB	ESETDRM\Administrator
file\\(C:\work..._code_sys.exe	Finished	Finished	2018 Mar 9 13:09:24	2018 Mar 9 13:11:28	ESET Endpoint	Executable	Automatic	Dynamic Threat Defense	FD248C787641A02D73323A913A...	429 KB	ESETDRM\Administrator
file\\(C:\work..._ng_invoices.docx	Finished	Finished	2018 Mar 9 12:50:08	2018 Mar 9 13:01:49	ESET Endpoint	Other	Automatic	Dynamic Threat Defense	192419D43A7C9E54E8058A878C...	248 KB	ESETDRM\Administrator
file\\(C:\work..._d_installer.exe	Finished	Finished	2018 Mar 9 12:39:42	2018 Mar 9 12:44:46	ESET Endpoint	Executable	Automatic	Dynamic Threat Defense	D481EA7369F26236C0440232A3...	1 MB	ESETDRM\Administrator
file\\(C:\Users..._680d48411.js	Finished	Finished	2018 Mar 9 12:28:10	2018 Mar 9 12:33:33	ESET Endpoint	Script	Automatic	Dynamic Threat Defense	08E0A69802453391E887DCC38C...	18 KB	
file\\(C:\Users..._7c8b781311.js	Finished	Finished	2018 Mar 9 12:28:07	2018 Mar 9 12:31:55	ESET Endpoint	Script	Automatic	Dynamic Threat Defense	0E33A81870F0A040C82AC82...	162 KB	
file\\(C:\Users..._29d3-36d11.js	Finished	Finished	2018 Mar 9 12:28:06	2018 Mar 9 12:31:55	ESET Endpoint	Script	Automatic	Dynamic Threat Defense			
file\\(C:\Users..._75a394411.js	Finished	Finished	2018 Mar 9 12:28:05	2018 Mar 9 12:33:02	ESET Endpoint	Script	Automatic	Dynamic Threat Defense			
file\\(C:\Users..._437d412911.js	Finished	Finished	2018 Mar 9 12:28:04	2018 Mar 9 12:31:55	ESET Endpoint	Script	Automatic	Dynamic Threat Defense			
file\\(C:\Users..._6f52669911.js	Finished	Finished	2018 Mar 9 12:28:03	2018 Mar 9 12:31:24	ESET Endpoint	Script	Automatic	Dynamic Threat Defense			
file\\(C:\Users..._8620464811.js	Finished	Finished	2018 Mar 9 12:28:02	2018 Mar 15 15:08:16	ESET Endpoint	Script	Automatic	Dynamic Threat Defense			
file\\(C:\Users..._91ba651011.js	Finished	Finished	2018 Mar 9 12:28:02	2018 Mar 9 12:31:55	ESET Endpoint	Script	Automatic	Dynamic Threat Defense			
file\\(C:\Users..._98d99d0611.js	Finished	Finished	2018 Mar 9 12:28:00	2018 Mar 9 12:33:20	ESET Endpoint	Script	Automatic	Dynamic Threat Defense			
file\\(C:\Users..._045d433211.js	Finished	Finished	2018 Mar 9 12:28:00	2018 Mar 15 15:08:14	ESET Endpoint	Script	Automatic	Dynamic Threat Defense			
file\\(C:\Users..._28d6-35d705001	Finished	Finished	2018 Mar 9 12:24:11	2018 Mar 9 12:29:02	ESET Endpoint	Executable	Automatic	Dynamic Threat Defense			
file\\(C:\Users..._halaharehextest.pst1	Finished	Finished	2018 Mar 9 12:23:13	2018 Mar 9 12:26:20	ESET Endpoint	Script	Automatic	Dynamic Threat Defense	42CC5858032D2C0C49141A1895...	26 B	ESETDRM\Administrator
file\\			2018 Mar 9 10:26:43		ESET Mail Security	Executable	Automatic	Dynamic Threat Defense	84F26C3D2D4C47C487127C89A2...	5 MB	NT AUTHORITY\SYSTEM
file\\(C:\Users..._43695390511.js			2018 Mar 8 16:21:44		ESET Endpoint	Script	Automatic	Dynamic Threat Defense	86157202321F07CCE11C106A61...	440 KB	

Complete visibility – see all files sent to ESET LiveGrid®

ESET Dynamic Threat Defense technical features

AUTOMATIC PROTECTION

Once everything is set up, there is no action needed by the admin or the user. The endpoint or server product automatically decides whether a sample is good, bad or unknown. If the sample is unknown, it is sent to ESET Dynamic Threat Defense for analysing. Once analysis is finished, the result is shared and the endpoint products respond accordingly.

TAILORED CUSTOMISATION

ESET allows per-computer detailed policy configuration for ESET Dynamic Threat Defense, so the admin can control what is sent and what should happen based on the receiving result.

MANUAL SUBMISSION

At any time, a user or admin can submit samples via an ESET compatible product for analysis. Admins will see who sent what and the sample results directly in the ESET PROTECT console.

MAIL SECURITY PROTECTION

Not only does ESET Dynamic Threat Defense work with files, but it also works directly with ESET Mail Security to ensure that malicious emails are not delivered to your organisation. To ensure business continuity, only emails coming from outside of the organisation can be sent to ESET Dynamic Threat Defense for inspection.

"The biggest thing that stands out is its strong technical advantage over other products in the marketplace. ESET offers us reliable security, meaning that I can work on any project at any time knowing our computers are protected 100%."

— Fiona Garland, Business Analyst Group IT;
Mercury Engineering, Ireland; 1,300 seats

ESET IN NUMBERS

110m+
users
worldwide

400k+
business
customers

200+
countries &
territories

13
global R&D
centres