ESET

DYNAMIC THREAT DEFENSE

Prevent zero-day threats with powerful cloud-based sandboxing

CYBERSECURITY
EXPERTS ON YOUR SIDE

30 YEARS OF
CONTINUOUS
IT SECURITY
INNOVATION

ESET Dynamic Threat Defense provides another layer of security for ESET products like Mail Security and Endpoint products by utilizing a cloud-based sandboxing technology to detect new, never-before-seen types of threat. 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 behavior-based detection.

How **ESET Dynamic Threat Defense works**

With ESET Mail Security

The ESET difference

MULTILAYERED PROTECTION

Within Dynamic Threat Defense, ESET utilizes 3 different machine learning models once a file is submitted. After that, it runs the sample through a full sandbox which simulates user behavior to trick anti-evasive techniques. Next, a deep learning neural network is used to compare the behavior seen versus historical behavioral data. Last but not least, the latest version of ESET's scanning engine is used to take everything apart and analyzed for anything unusual.

FULL VISIBILITY

Every analyzed sample is listed in ESET Security Management Center console with various information about the sample itself and its origin. All information is displayed in an easy-to-understand form. Not only do we simply display samples that were sent to ESET Dynamic Threat Defense but everything that is sent to ESET's Cloud Malware Protection System – ESET LiveGrid®.

MOBILITY

Nowadays, customers are constantly traveling and not on premise, that is why ESET Dynamic Threat Defense is able to analyze files no matter where users are. The best part is that if anything malicious is detected, the whole company is immediately protected.
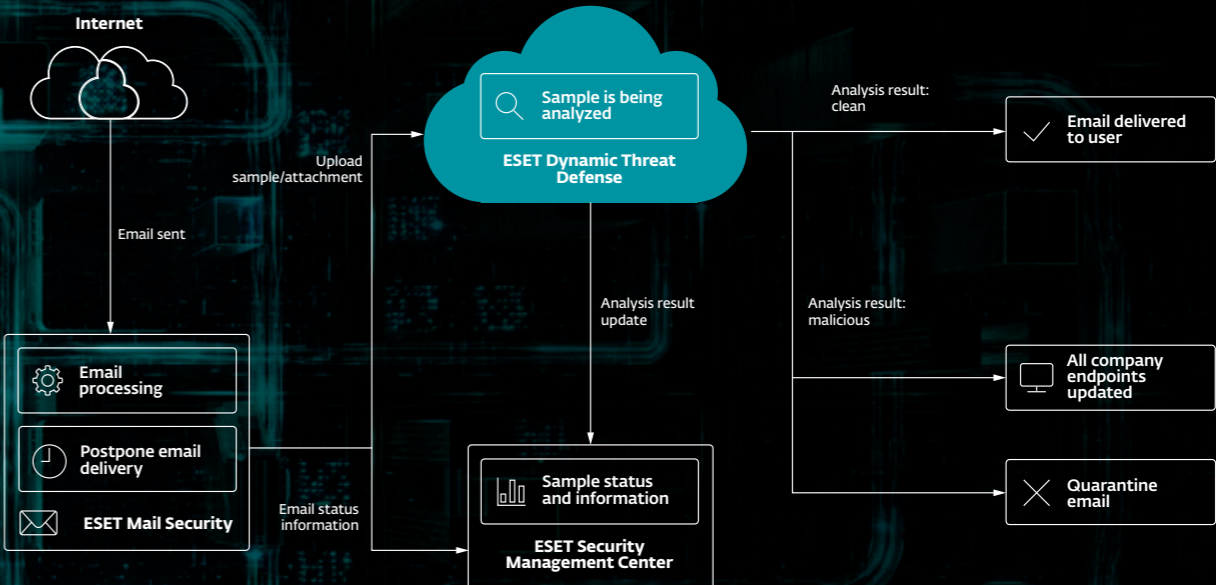
UNPARALLELED SPEED

Every minute counts, which is why ESET Dynamic Threat Defense is able to analyze the majority of samples in under 5 minutes. If a sample was previously analyzed, it is simply a few seconds until all devices at your organization 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 scrutinized and validated by third-party testers who show how effective our approach is at stopping the latest threats.

Internet

Upload sample/attachment

Email sent

Sample is being analyzed

ESET Dynamic Threat Defense

Analysis result: clean

Email delivered to user

Analysis result update

Analysis result: malicious

All company endpoints updated

Email processing

Postpone email delivery

ESET Mail Security

Email status information

Sample status and information

ESET Security Management Center

Quarantine email

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 analyzing. Once analysis is finished, the result is shared and the endpoint products respond accordingly.

TAILORED CUSTOMIZATION

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 off the receiving result.

MANUAL SUBMISSION

At any time, a user or admin can submit samples via an ESET compatible product for analysis and get the full result. Admins will see who sent what and what the result was directly in the ESET Security Management Center.

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 organization. To ensure business continuity, only emails coming from outside of the organization 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
centers