

Understanding Advanced Threat Protection Reports

<https://campus.barracuda.com/doc/51191590/>

The Advanced Threat Protection (ATP) service scans inbound email attachments and publicly accessible direct download links for malware, zero-day exploits, and targeted attacks not detected by the Barracuda Email Security Service virus scanning features or intrusion prevention system. ATP analyzes files in a separate, secured cloud environment, and once scanning is complete, determines the risk level for each scan (determination), and then assigns a verdict.

ATP Classifications

When publicly accessible direct download links are scanned, and a file is determined to be suspicious, it is automatically classified as malicious; publicly accessible file links are classified as either malicious or clean.

- **Malicious** – File classified as high risk. File is highly likely to be malware
- **Suspicious** – File classified as medium risk. File may pose a potential risk
- **Clean** – File classified as low risk. No malicious indicators were detected

Exercise caution even with files marked CLEAN as malware authors are continually finding new ways to evade detection.

Terminology

- **Determination versus Verdict** – When a scan is complete and the risk potential is classified, that scan displays a *Determination*. For example, if the file is determined to have medium risk, the determination is **Suspicious**. After all scans are complete, a *Verdict* displays based on the determination of all scans.
- **Reclassified** – If a scan determination is **Malicious** or **Suspicious**, but the file is reviewed by the Barracuda Analyst Team and determined to be **Clean**, the *Verdict* displays as **Clean** and **Reclassified by Analyst** displays.

ATP Report Sections

The ATP report is divided into the following sections:

Scan Description

This section provides a short description of the ATP report and how the scan verdict is reached.

Overall Determination

This section displays the scan verdict and reason for this file. The verdict is based on the outcome, or determination, of each scan.

File Metadata

This section lists file-specific details including file extension, file size, meta-data, and when the file was first submitted.

Threat Analysis

This section lists the outcome of each scan:

- Enhanced Antivirus detection scans the file through a comprehensive system of traditional antivirus signatures.
- Behavioral Heuristics analyzes through a heuristics engine utilizing behavioral indicators.
- Sandboxing executes the file in an isolated environment where its behavior is analyzed and assigned a risk level.

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