DATA SHEET

VMRAY

VMRay Email Threat Defender

Automated Analysis and Detection of Malicious Email

Introduction

VMRay Email Threat Defender enables organizations to protect their email infrastructure from malware and targeted attacks using VMRay's unique agentless threat detection. The sensor can be integrated into any email deployment with minimal configuration adjustments to email gateways.

VMRay Email Threat Defender scans the email for known malicious URLs that lead to malicious downloads. Furthermore, it extracts attached files and sends them to a VMRay Analyzer installation for further investigation.

Please note VMRay's email protection serves as the last link in the entire protection chain and is not a spam or phishing protection solution. To ensure best performance, we recommend first scanning emails using common anti-spam and anti-virus engines before submission to the email sensor.

DEPLOYMENT DETAILS

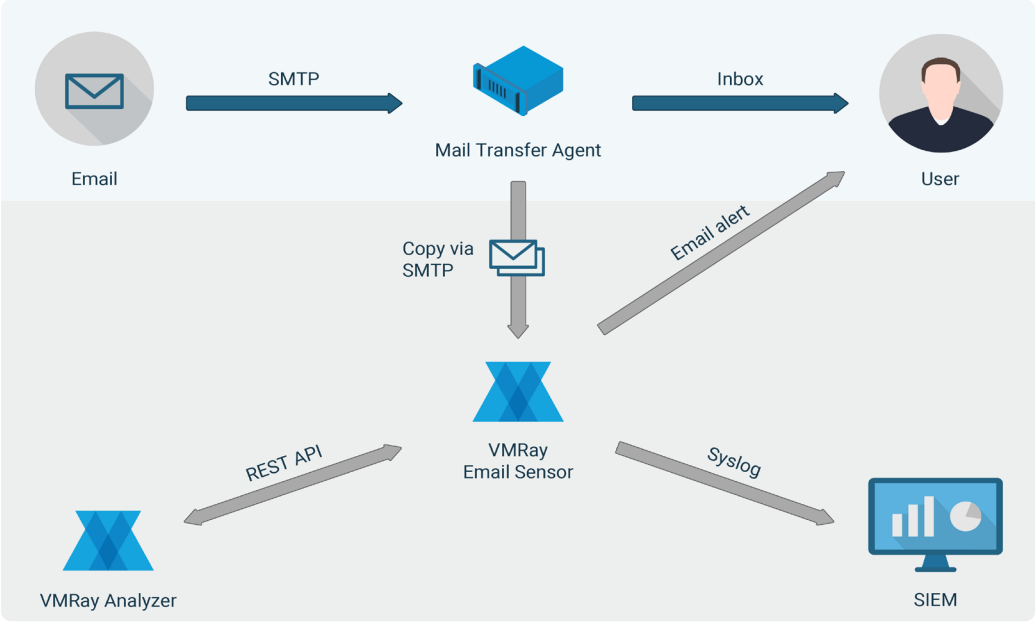
VMRay Email Threat Defender must receive emails from a mail transfer agent (MTA) using the SMTP protocol. It then detects advanced email threats by analyzing the URLs and attachments contained in the email. The maliciousness of URLs is determined by the VMRay Reputation Engine. Attachments are processed using file triage and dynamic analysis. The deployment is depicted in the following figure on page 2:

The mail transfer agent (MTA) must be configured so that a copy of every email that needs to be scanned is sent to VMRay Email Threat Defender using SMTP. In the simplest scenario, a copy of every email is sent to the VMRay Email Threat Defender.

When the analysis is completed, results can be sent to a Security Information and Event Management (SIEM) system using syslog in a JSON-based or custom format for further insights and advanced correlation. The format and kind of data that is transmitted is configurable.

KEY BENEFITS

- Automated analysis and detection of potentially malicious attachments using VMRay's evasion resistant analyzer
- Scans inbound email for known malicious URLs that lead to malicious downloads
- Easy deployment with your existing email infrastructure



VMRay Email Threat Defender Deployment

Alternatively, the system can also send an email alert directly to the user if a malicious attachment was identified. Please note that this is a non-blocking, out-of-bound deployment scenario. The email will be forwarded to the user in any case in parallel to the actual analysis.

To get started, you need to install the VMRay Email Threat Defender on an Ubuntu 16.04 machine and a running deployment of VMRay Analyzer (either Cloud or On-Premises). It is possible to run the VMRay Email Sensor and VMRay Analyzer on the same machine.

GET HANDS-ON WITH VMRAY ANALYZER

VMRay Analyzer provides DFIR specialists with the high-value capabilities they need to combat advanced threats: evasion resistance, rapid detection, and accuracy in identifying malicious files and behavior.

Available as a cloud service or on-premises solution, VMRay Analyzer has been successfully deployed by leading enterprises, security solution providers and OEMs. To get a sense of its power, accuracy and ease of use, request a demo or start your free, 30-day trial by contacting sales@vmray.com.

CONTACT US