TippingPoint®_Reputation_Digital_Vaccine_Service

Service on IPS Platform Protects Against Compromised Web Sites

The TippingPoint Reputation Digital Vaccine® Service (Rep DV) provides IPv4, IPv6 and Domain Name System (DNS) security intelligence feeds from a global reputation database so that customers can actively enforce and manage reputation security policies using the TippingPoint Intrusion Prevention System (IPS) Platform. The TippingPoint IPS Platform acts as an enforcement point, inspecting traffic in real-time, identifying "known bad" traffic and enforcing Rep DV security policies.

REPUTATION DIGITAL VACCINE

Immediately_Block_"Known Bad"_Traffic

Today, enterprise security administrators are constantly looking for simple methods to maximize the amount of "known good" traffic that may not require inspection, and "known bad" traffic that can be blocked outright. The goal is to minimize the amount of "gray" or unknown traffic that must be inspected with tools like an IPS. In most cases, this task is very manual, but the TippingPoint Rep DV service automates the identification and blocking of "known bad" traffic before it reaches the perimeter firewall and the IPS deep packet inspection engine. The TippingPoint Rep DV Service gives security administrators the information they need to automatically:

- Block outbound access to "known bad" sites to:
  - Prevent botnet Trojan downloads
  - Prevent malware, spyware and worm downloads
  - Block access to botnet command and control sites
  - Block access to known phishing sites
  - Restrict or alert on outbound network connections based on country of destination
- Block inbound access from "known bad" IP addresses to:
  - Block Spam and phishing e-mails
  - Block DDoS attacks from compromised botnet hosts
  - Block Web application attacks from compromised botnet hosts
  - Restrict or alert on inbound network connections based on country of origin

A key benefit of the TippingPoint Rep DV service is that it is completely supported and enforced on the TippingPoint IPS and Security Management System (SMS) so that organizations don't have to purchase new hardware solutions.

Create_Security_Policies_Using_Reputation_Tags

The TippingPoint Rep DV service allows security administrators to create security policies based on a wide variety of reputation tags or information for each IP address and DNS name. These reputation tags include:

- Reputation Score Tags – a score between 1 and 100 with a score of 100 identifying the IP addresses or DNS names with the most malicious history
- Device Type Tags – tags that identify why each IP address or DNS name is on the Rep DV list (tags such as botnet, malware, spam, phishing, Web attackers, etc.)
- Country Tags – the corresponding country for each IP address and/or DNS name where known
- Data Source Tag – this tag identifies whether

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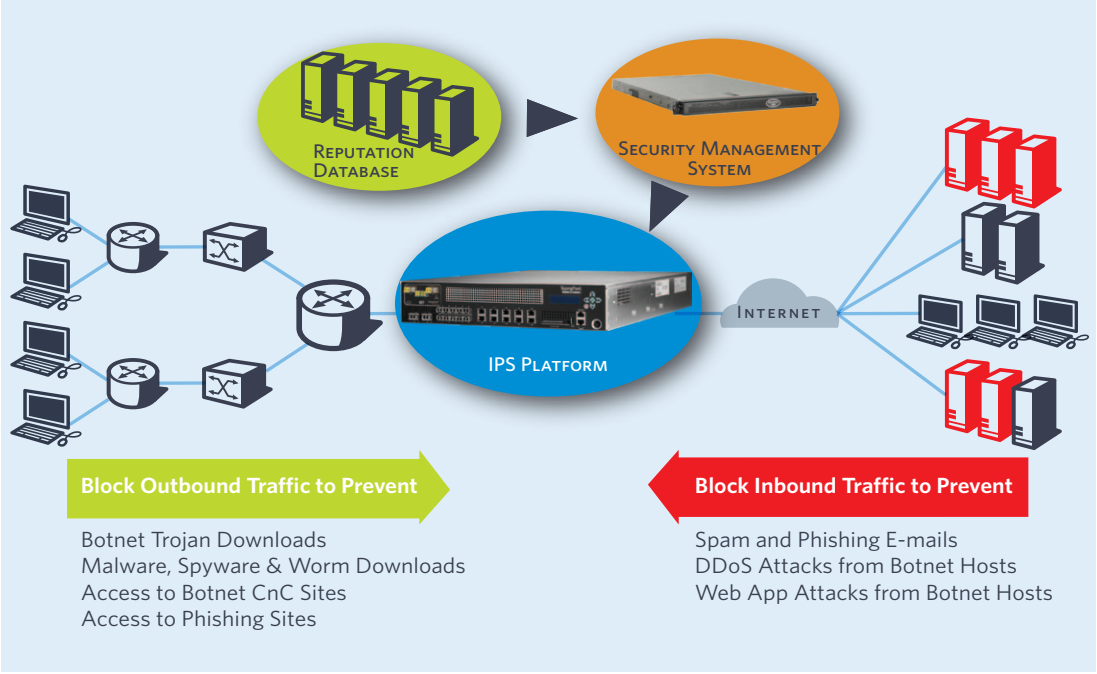

each reputation database entry is from the TippingPoint Rep DV feed or a customer supplied list

Industry's_Most_Reliable_Reputation_Database

The most important consideration for any reputation based service is the reliability or accuracy of the information that is provided. TippingPoint's Rep DV service is delivered by TippingPoint's industry leading security research team, Digital Vaccine Labs (DVLabs). DVLabs correlates and validates all of the real-time attack data that goes into the TippingPoint Rep DV database. In fact, every Rep DV database entry is refreshed every two to 24 hours meaning the database has no "aged" entries like other reputation services in the industry. Finally, DVLabs develops a Reputation Score for each Rep DV database entry (IP address or DNS name) to help organizations prioritize the database entries for security policy purposes. DVLabs develops a set of "Recommended Settings" based on these Reputation Scores.

In addition, TippingPoint makes it extremely easy to dispute Rep DV database entries that are believed to be non-malicious and to create quick and easy exceptions to any Rep DV database entries all directly within the TippingPoint SMS.

Global_Reputation_Community_Delivers_Diverse_Reputation_Database

The TippingPoint Rep DV database is a collection of real-time attack data from the Global Reputation Community which includes:

- Global, real-time attack data from TippingPoint Lighthouse sensors
- Global, real-time attack data from TippingPoint customer IPS deployments
- Third party malware, e-mail and Web research partners
- The SANS Institute security event data
- Open source community event data

The TippingPoint real-time attack data includes over 12 million daily or four billion annual events. Once the Global Reputation Community data is collected, correlated and validated, the result is the Rep DV database that includes:

- Over two million IPv4, and IPv6 addresses
- Over 300,000 DNS names

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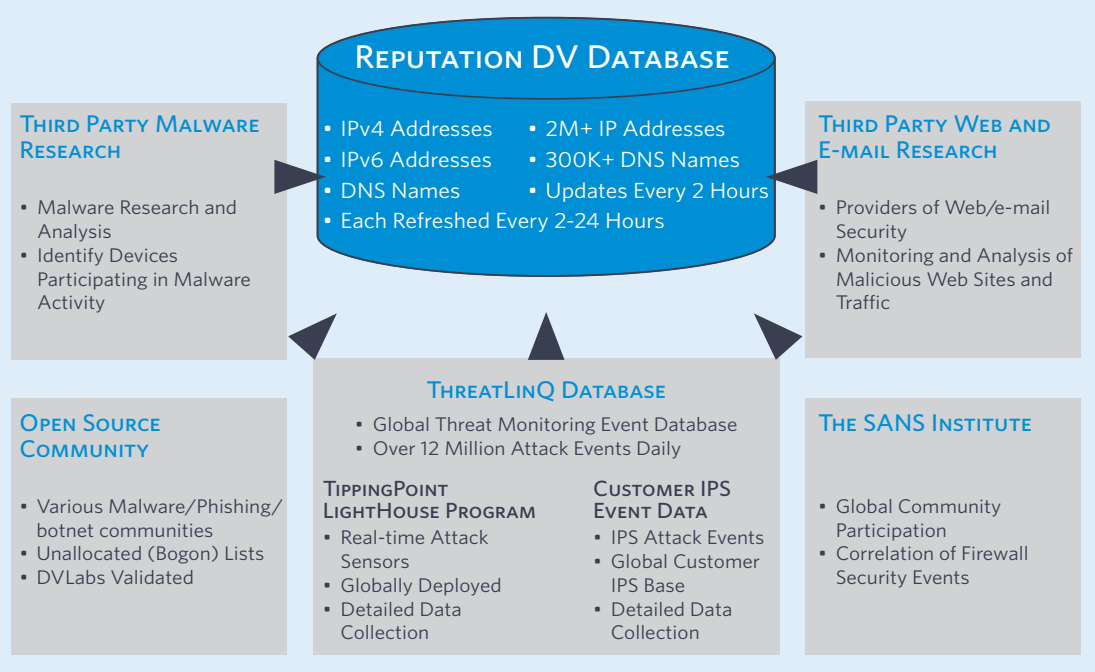

First_Reputation_Database_with_Recommended_Settings

TippingPoint's DVLabs was the first in the industry to provide "Recommended Settings" for the TippingPoint IPS Digital Vaccine filters. Now DVLabs delivers the first reputation service in the industry with "Recommended Settings." Customers gain immediate value from the Rep DV service as soon as it is enabled on the IPS Platform with "Recommended Settings" (default configuration) that provide automatic blocking of "known bad" traffic based on the Rep DV data feed.

Supports_Customer_List_Uploads

In addition to the TippingPoint Rep DV data feed, organizations can upload their own list of IP addresses and DNS names that they want to blacklist. This customer reputation list is tagged and merged with the Rep DV data so security administrators can easily create a single reputation security policy enforced by the TippingPoint IPS based on both lists. This can simplify or completely eliminate the need to maintain firewall access control lists (ACLs) based on IP addresses and DNS names.

Increases_Return_on_Investment_from_IPS_Platform

The TippingPoint IPS Platform is designed to provide not only IPS capabilities, but to also serve as a security platform for additional security services providing customers with increasing returns on investment over the years. The Rep DV service is a security service that runs on the IPS Platform and provides incremental value with no new hardware investment. It can simplify firewall ACL management, eliminate the need to purchase separate botnet protection solutions, reduce the overall load on firewalls and the TippingPoint IPS Threat Suppression Engine, and extend the life of existing firewalls by blocking "known bad" traffic before it reaches the firewall. All of these benefits provide additional IPS Platform return on investment.

Whitelisting_Based_on_IP_Addresses_and_DNS_Names

Finally, organizations can use the TippingPoint SMS to create whitelists or exceptions to the Rep DV service for any IP addresses or address ranges (CIDR blocks) or DNS names that should never be blocked by the Rep DV service. This whitelist will allow traffic to or from these addresses and

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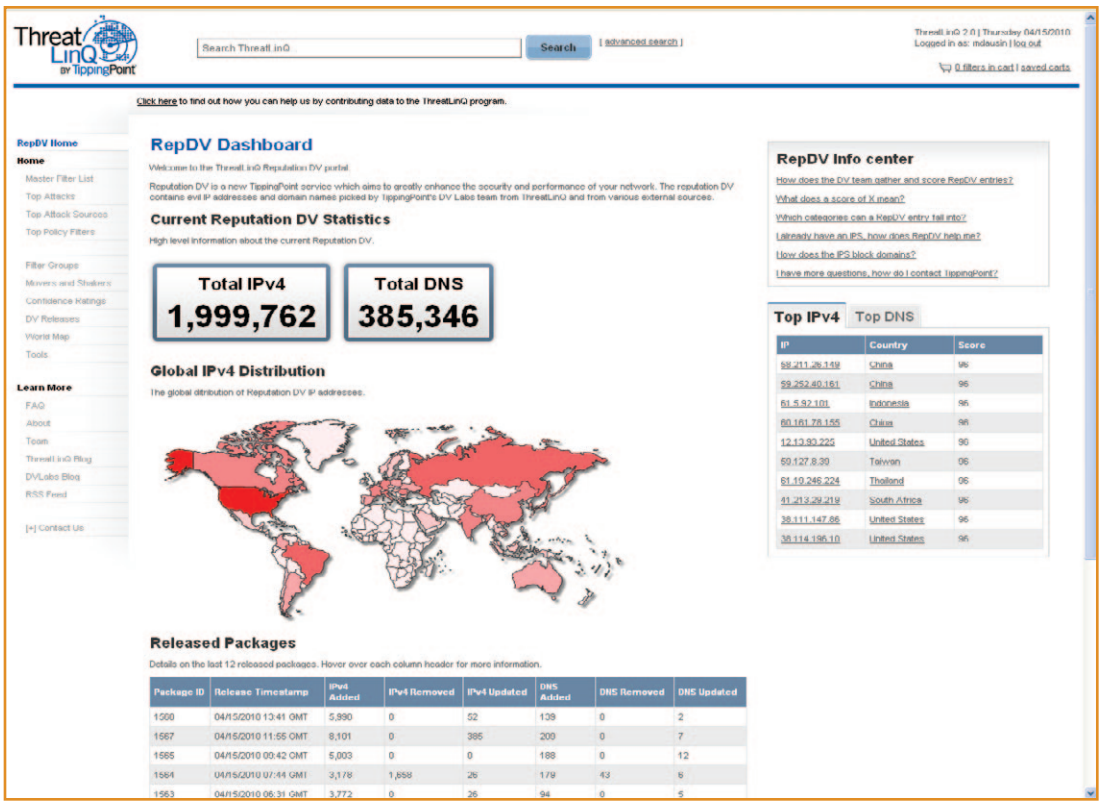

sites to bypass the Rep DV service, but still be inspected by the IPS.

Reputation_DV_ThreatLinQ_Intelligence

All TippingPoint customers receive access to the ThreatLinQ global threat intelligence portal which now includes detailed information on each Rep DV database entry. Rep DV customers can view the most malicious IP addresses and DNS names, view their Reputation Score and Reputation Score history, view their data source, and view their reputation database history.

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