

ET INTELLIGENCE SPLUNK TECHNOLOGY TECHNICAL ADD-ON

The ET Intelligence Splunk Technology Add-On (ET TA) allows ET customers with Splunk deployments to enrich and search any log with ET Intelligence data. The ET TA provides two primary functions:

- Automatically downloads, installs, and updates the ET Intelligence reputation list into Splunk Enterprise, Splunk Cloud and Splunk Light.
- Provides additional Splunk macros, allowing you to build your own complex Splunk queries using ET and any other data or Splunk features.

This document explains how to leverage the ET TA to find suspicious activity in your network by enriching your enterprise security logs with ET Intelligence and then searching that data with ET Splunk macros.

IDENTIFYING SUSPICIOUS NETWORK ACTIVITY IN SPLUNK WITH ET INTELLIGENCE

This first workflow explains how to find suspicious activity in your Splunk log database in a single query. We start by creating a query that defines the following information:

- Filter Input Data (Recommended)
- Select ET macro, and define field to match/enrich (Required)
- Filter output Data (Recommended)

In this example we will look to enrich our firewall logs with ET Intelligence. Normally, firewall logs contain information that pertains only to a specific connection, not any reputation or auxiliary information. A firewall does not normally raise any alerts if the traffic is permitted by policy. In this example, we are searching for logs whose destination are known to be involved in command-and-control (C&C) activity.

As shown in Figure 1, we have searched through our Splunk log database to enrich our logs in real time with ET Intelligence data, and searched to further find any firewall logs that matched the category C&C. We could then take this query and turn it into a Splunk dashboard, report, alert, or any other built-in feature.

Because the macro allows you to define what the IP field of your logs that you want to search, the ET TA can input logs from any log source; as long as Splunk can parse it, the ET TA can extract and enrich the data.



Figure 1. Finding suspicious activity in network logs