Tenable Attack Surface Management Add-on for Splunk Integration Guide

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Table of Contents

Welcome to Tenable for Splunk 3

Components 4

Tenable Attack Surface Management Add-on 5

Source and Source Types 6

Installation and Configuration Workflow 7

Splunk Environments 8

Installation 9

Create an Input 11

Welcome to Tenable for Splunk

Tenable Attack Surface Management (formerly known as Tenable.asm) is a web-based inventory tool that you can use to identify internet-accessible assets that your organization may or may not know about. Tenable Attack Surface Management identifies assets using DNS records, IP addresses, and ASN, and includes more than 180 columns of metadata to help you organize and inventorize your assets. The Tenable Attack Surface Management Add-on for Splunk performs data collection and normalization.

Components

Tenable Attack Surface Management Add-on

The Tenable Attack Surface Management Add-On for Splunk pulls data from Tenable platforms and normalizes it in Splunk.

The current Tenable Attack Surface Management Add-On uses the following API endpoints:

Subscriptions

Get subscriptions from store.

- GET /smartfolder

Inventory

List the assets in your inventory.

- POST /inventory

Source and Source Types

The Tenable Add-on for Splunk stores data with the following sources and source types.

Tenable OT Security

The Tenable Attack Surface Management Add-on for Splunk stores data with the following source and source type.

Source	Source type	Description
<username>|<address>	tenable:asm:domains	This collects all assets data.

Installation and Configuration Workflow

Use the following workflow to complete the installation and configuration of the Tenable applications for Splunk.

Before you begin:

- Generate an API key in Tenable Attack Surface Management to complete the configuration. See the Tenable Attack Surface Management User Guide for instructions on how to generate an API key. Do not use this API key for any other third-party or custom-built application or integration. It must be unique for each installed instance of the integration.

To install and configure Tenable applications for Splunk:

1. Install the Tenable application.
2. Configure the required Tenable application for Splunk:Tenable Attack Surface Management.

   > **Note**: You need unique credentials for each Splunk environment.

3. Create an input for the configured Tenable application for Splunk.

Splunk Environments

The installation process for the Tenable Attack Surface Management for Splunk varies based on your Splunk environment.

Deployment Types

Single-server, distributed deployment, and cloud instance options are available.

Single-Server Deployment

In a single-server deployment, a single instance of Splunk Enterprise works as a data collection node, indexer, and search head. Use this instance to install the . Complete the setup to start data collection.

In a single-server deployment, a single instance of Splunk Enterprise works as a data collection node, indexer, and search head. Use this instance to install the Tenable Attack Surface Management Add-On. Complete the setup for the Tenable Attack Surface Management Add-On to start data collection.

Distributed Deployment

In a distributed deployment, install Splunk on at least two instances. One node works as a search head, while the other node works as an indexer for data collection.

Cloud Instance

In Splunk Cloud, the data indexing takes place in a cloud instance.

You can install the application via a command line or from the Splunk user interface.

Installation

Before you begin:

- You must have Splunk downloaded on your system with a Splunk basic login.

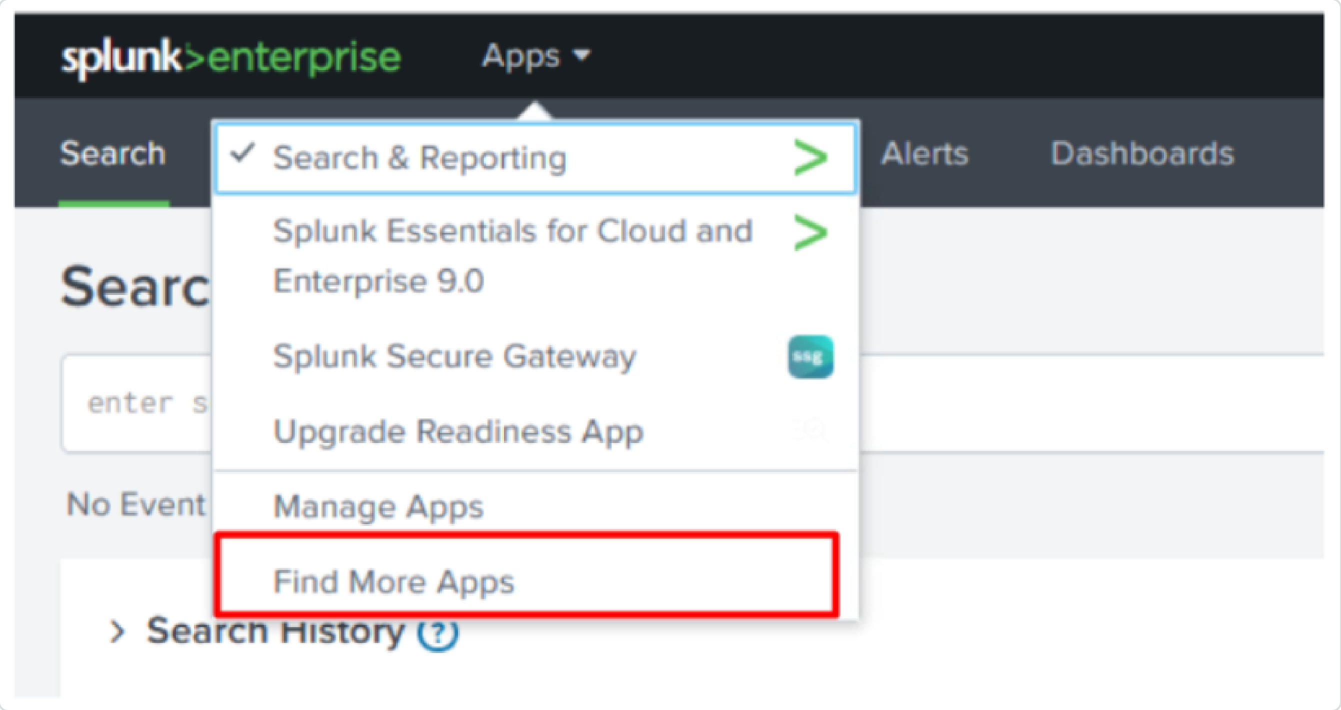
> **Note:** See the Splunk Environments section for additional information about the different types of Splunk deployments and their requirements.

> **Note:** If you install the Tenable App for Splunk on the search head, you must also install the Tenable Add-on.

To install Tenable Attack Surface Management Add-on for Splunk for the first time:

1. Log in to Splunk.
2. Go to **Apps** at the top of the screen.

   A drop-down menu appears:



3. Click **Find More Apps**.
4. On the **Browse More Apps** page, type Tenable in the search bar.

5. Click the **Install** button next to **Tenable.asm Add-on for Splunk**.

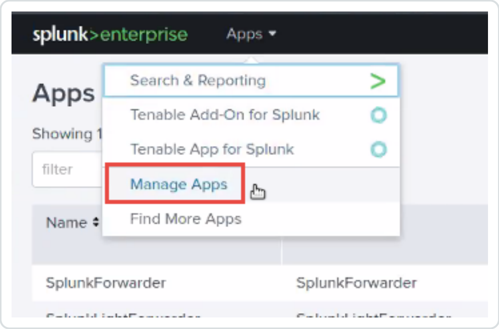
6. Restart Splunk if a **Restart Required** prompt displays.

To upgrade Tenable Attack Surface Management Add-on for Splunk:

1. Log in to Splunk.

2. Go to **Apps** at the top of the screen.

   A drop-down menu appears:

3. Click **Manage Apps**.

4. In the search bar, type Tenable.

5. In the **Version** column, click **Update to** x.y.z version link for Tenable Attack Surface Management Add-On for Splunk:

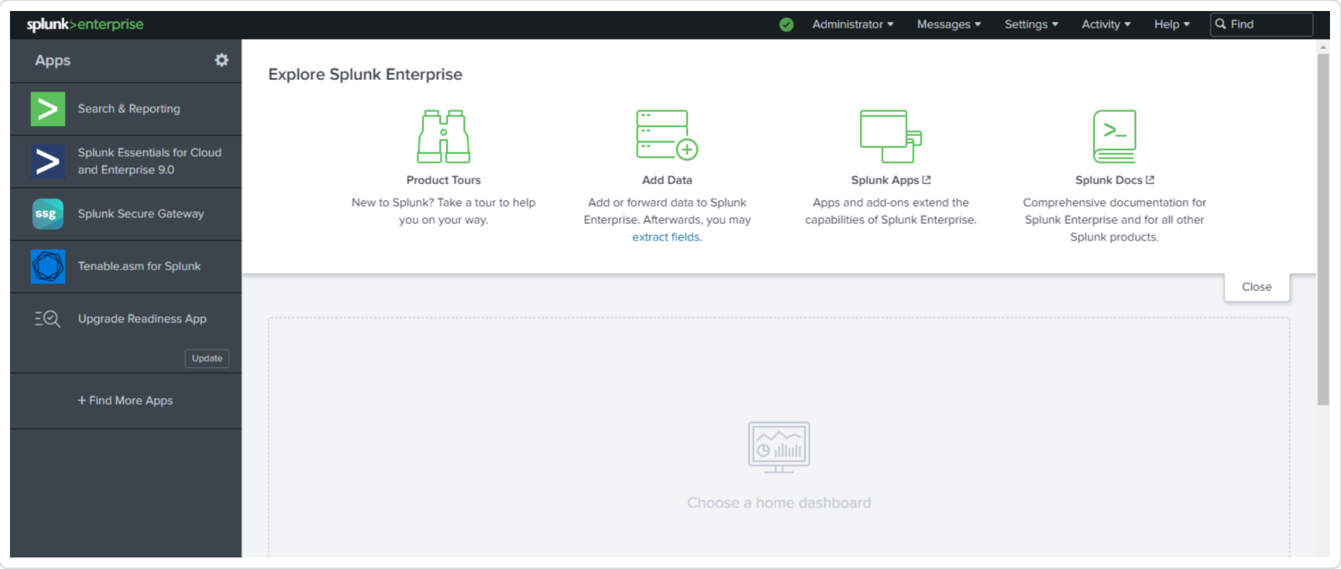
6. Restart Splunk if a **Restart Required** prompt appears.

Create an Input

After you complete the configuration for your Tenable Add-On for Splunk, you must create the input. The following process outlines input creation if you have a deployment with Tenable Attack Surface Management.

To create an input:

1. In the left navigation bar, click **Tenable Attack Surface Management**.



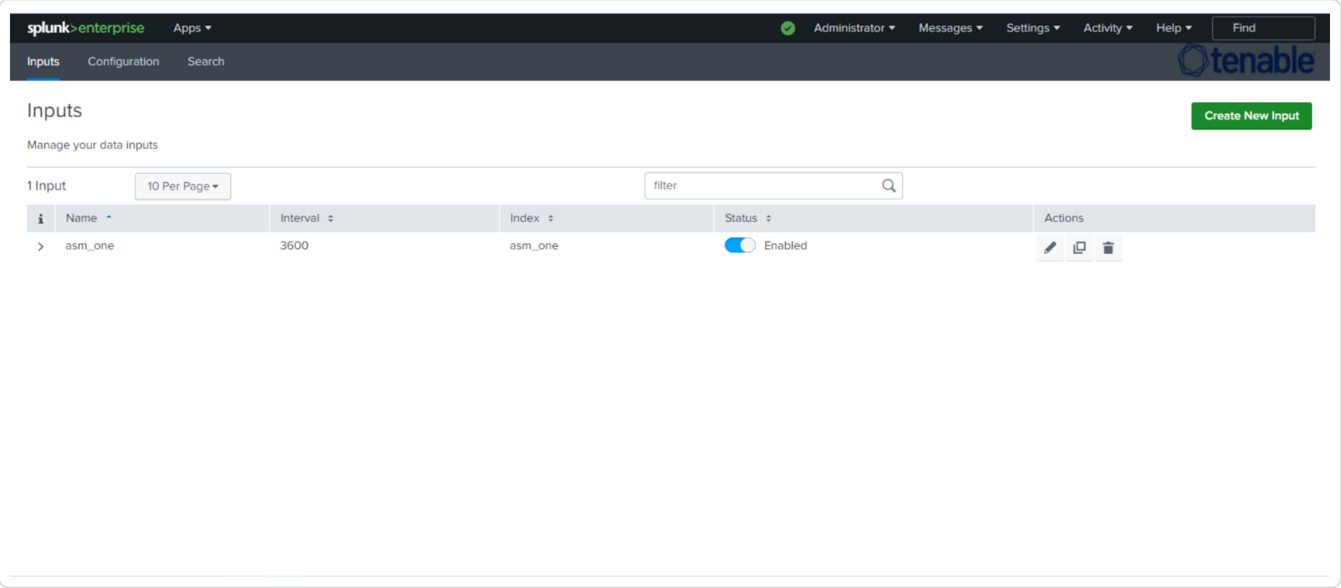
New to Splunk? Take a tour to help you on your way.

Add or forward data to Splunk Enterprise. Afterwards, you may extract fields.

Apps and add-ons extend the capabilities of Splunk Enterprise.

Comprehensive documentation for Splunk Enterprise and for all other Splunk products.

2. Click the **Inputs** tab.



Inputs

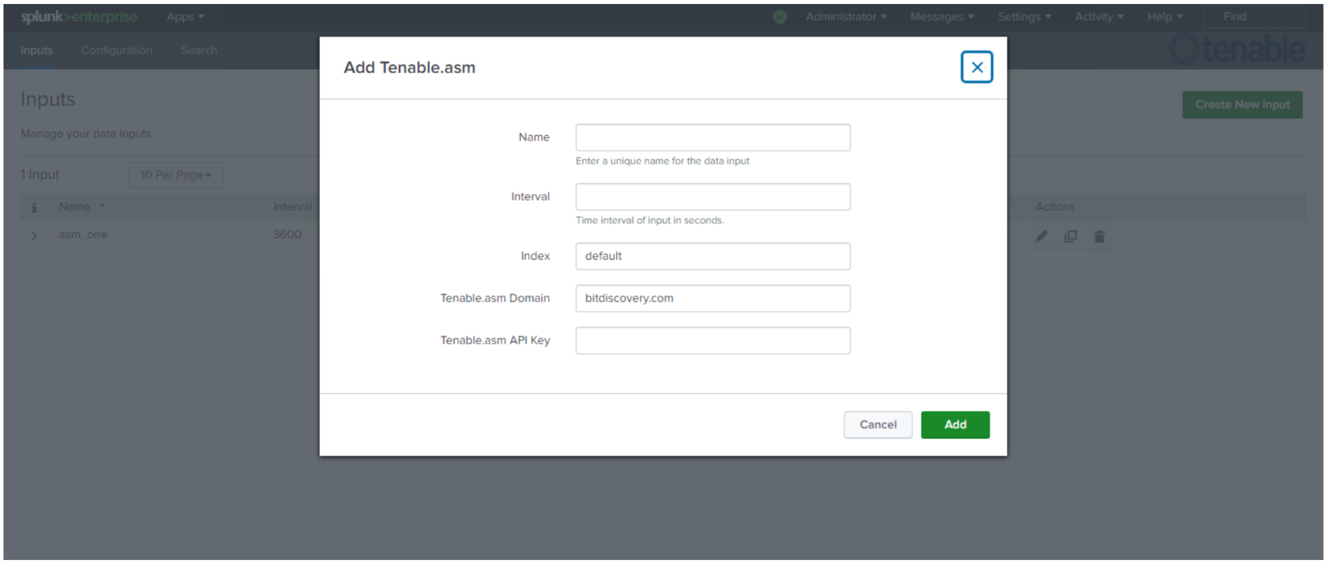
Manage your data inputs

1 Input

i	Name	Interval	Index	Status	Actions
›	asm_one	3600	asm_one	Enabled	

3. Click **Create New Input**.

   The **Add Tenable Attack Surface Management** window opens.



Add Tenable.asm

Name:
Enter a unique name for the data input

Interval:
Time interval of input in seconds.

Index: default

Tenable.asm Domain: bitdiscovery.com

Tenable.asm API Key:

4. Provide the following information.

> **Note:** If you don't use the default index, you must update the Tenable Macro.

Tenable Attack Surface Management

Input Parameters	Description	Required
Name	The unique name for each Tenable data input.	Yes
Interval	The interval parameter specifies when the input restarts to perform the task again (in seconds). The interval amount must be between 3600 and 86400.	Yes
Index	The index in which to store Tenable Vulnerability	Yes

	Management data.	
Tenable Attack Surface Management Domain	Splunk pulls data from this Tenable account.	Yes
Tenable Attack Surface Management API Key	Tenable Attack Surface Management API Key.	Yes

5. Click **Add** to create the input.