



Tanium™ Reputation User Guide

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Table of contents

- Reputation overview 6**
- Reputation item life cycle 6
- Reputation items are added to the reputation database 6
- Reputation items are scanned 6
- WildFire 6
- ReversingLabs A1000 7
- ReversingLabs TitaniumCloud 7
- VirusTotal 7
- Reputation items are rescanned 7
- Wildfire 7
- ReversingLabs A1000 7
- ReversingLabs TitaniumCloud 8
- VirusTotal 8
- Items are removed from the reputation database 8
- Whitelist/Blacklist 8
- Getting started 10**
- Reputation requirements 11**
- Tanium dependencies 11
- Tanium™ Module Server 11
- Third-party software 11
- Host and network security requirements 11
- Ports 11
- Security exclusions 12

Internet URLs	12
User role requirements	12
Installing Reputation	14
Before you begin	14
Import Reputation	14
Verify installation	14
Configure reputation service settings	14
What to do next	15
Configuring connect sources	16
View reputation scan status	16
Configure Palo Alto Networks WildFire reputation source	16
Prerequisites	17
Configure settings	17
Configure ReversingLabs A1000 reputation source	17
Prerequisites	17
Configure settings	18
Configure ReversingLabs TitaniumCloud reputation source	18
Prerequisites	18
Configure settings	20
Configure VirusTotal reputation source	21
Prerequisites	21
Configure settings	21
Managing whitelist or blacklist data	23
Add data hashes	23
Import hashes	23

Export hashes	24
Delete hashes	24
Exporting connect data	25
View reputation data	25
Send reputation data to Connect destinations	25
Send data to the reputation service	26
Troubleshooting Reputation	28
Collect logs	28
Uninstall Reputation	28
Uninstall Reputation so data is restored on reinstall	28
Uninstall Reputation so you start fresh when you reinstall	29

Reputation overview

With Reputation, you can build a repository of reputation data from various sources, such as Palo Alto WildFire, ReversingLabs, and VirusTotal. These sources determine threat levels for file hashes. Other Tanium products, such as Tanium™ Trace, can use this data to give an indication of potentially malicious files. You can also send reputation data to supported Tanium™ Connect destinations.

The reputation database is a cache that consists of *reputation items*. When configured, reputation items are scanned by a *reputation source*. A reputation source is a service that determines whether a reputation item is considered to be malicious, non-malicious, suspicious, or has an unknown status.

Reputation item life cycle

A reputation item remains in the database as long as the Tanium processes are accessing the status of the item. The status of the reputation items is kept up to date based on the settings for the reputation service and provider.

Reputation items are added to the reputation database

As long as the maximum database size is not exceeded, reputation items get added to the reputation database in the following scenarios:

- When a new hash gets identified by a Tanium process, such as Trace.
- When a list of hashes gets sent to Connect from a saved question connection source.

When the reputation items are first added, it is unknown whether they are malicious. The reputation item state most likely starts out as unknown or pending.

Reputation items are scanned

How long it takes for an initial scan of the items depends on your configured reputation service settings.

If you have multiple reputation service providers configured, a reputation item is created for each reputation source. For example, for a single hash, three separate reputation items are created for WildFire, ReversingLabs, and VirusTotal.

WILDFIRE

All reputation items are sent to WildFire as they are received.

REVERSINGLABS A1000

The settings for ReversingLabs A1000 determine how many hashes are sent at a time, and how many times the API is called in one minute. For more information about these settings, see [Configure ReversingLabs A1000 reputation source on page 17](#).

REVERSINGLABS TITANIUMCLOUD

The settings for ReversingLabs TitaniumCloud determine how many hashes are sent at a time, and how many times the API is called in one minute. For more information about these settings, see [Configure ReversingLabs TitaniumCloud reputation source on page 18](#).

VIRUSTOTAL

The settings for VirusTotal determine how many hashes are sent at a time, and how many times the API is called in one minute. For more information about these settings, see [Configure VirusTotal reputation source on page 21](#).

Reputation items are rescanned

Reputations might change for reputation items over time. When an item is rescanned, it is checked against the reputation sources again. For more information about configuring the rescanning properties, see [Configure reputation service settings on page 14](#).

The **Rescan Item Interval** setting is global for all reputation provider types. The value determines how often items get rescanned. For example, if this value is set to 1 day, all of the items in the database get checked every day.

WILDFIRE

Items are only scanned on the **Rescan Item Interval** value.

REVERSINGLABS A1000

You can configure items to be rescanned as ReversingLabs A1000 gets new reputations for hashes.

The **Maximum Age of New Items** setting gets compared with the First Seen attribute in ReversingLabs A1000. The First Seen attribute is the date at which ReversingLabs A1000 first recorded any instance of that hash. If the item is less than the configured maximum, the item is rescanned. How often the new items are rescanned is determined by the **Rescan New Item Interval** setting.

REVERSINGLABS TITANIUMCLOUD

You can configure items to be rescanned as ReversingLabs TitaniumCloud gets new reputations for hashes.

The **Maximum Age of New Items** setting gets compared with the First Seen attribute in ReversingLabs TitaniumCloud. The First Seen attribute is the date at which ReversingLabs TitaniumCloud first recorded any instance of that hash, from any ReversingLabs TitaniumCloud customer. If the item is less than the configured maximum, the item is rescanned. How often the new items are rescanned is determined by the **Rescan New Item Interval** setting.

VIRUSTOTAL

If you have a paid API key for VirusTotal, you can configure items to be rescanned as VirusTotal gets new reputations for hashes.

The **Maximum Age of New Items** setting gets compared with the First Seen attribute in VirusTotal. The First Seen attribute is the date at which VirusTotal first recorded any instance of that hash, from any VirusTotal customer. If the item is less than the configured maximum, the item is rescanned. How often the new items are rescanned is determined by the **Rescan New Item Interval** setting.

When you are configuring these settings, be careful to keep the number of API calls within the bounds of your agreement with VirusTotal.

Items are removed from the reputation database

When the number of days in the **Remove Item Interval** value passes, and that item has not been queried by a saved question or other Tanium process to check its status, the item is removed from the database.

A reputation item can be re-added to the database if the hash gets found again.

Whitelist/Blacklist

The Reputation Whitelist/Blacklist is a list of reputation hashes that are known to be false detections or known to be malicious. You can add or delete specific hashes from the Whitelist/Blacklist, or you can export and import the entire list.

For more information, see [Managing whitelist or blacklist data on page 23](#).

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Getting started

1. Install Tanium Reputation. See [Installing Reputation on page 14](#).
2. Configure and enable Reputation sources. See [Configuring connect sources on page 16](#).
3. Manage the Reputation Whitelist/Blacklist. See [Managing whitelist or blacklist data on page 23](#).
4. Export Reputation data. See [Exporting connect data on page 25](#).

Reputation requirements

Review the requirements before you install and use Reputation.

Tanium dependencies

Make sure that your environment meets the following requirements.

Component	Requirement
Platform	7.2 or later.
Tanium™ Client	No client requirements.
Tanium Connect	Version 4.11 or later (optional).
Tanium™ Trace	Version 2.0.5 for reputation data (optional).
Tanium™ Incident Response	For hash data (optional).

Tanium™ Module Server

Reputation is installed and runs as a service on the Module Server host computer. The impact on the Module Server is minimal and depends on usage.

Third-party software

With Reputation, you can integrate with several different kinds of third-party software. If no specific version is listed, there are no version requirements for that software.

- Palo Alto Networks WildFire
- ReversingLabs A1000
- ReversingLabs TitaniumCloud
- VirusTotal

Host and network security requirements

Specific ports and processes are needed to run Reputation.

Ports

The following ports are required for Reputation communication.

Component	Port	Direction	Purpose
Module Server	17455	Inbound	Internal purposes; not externally accessible

Security exclusions

If security software is in use in the environment to monitor and block unknown host system processes, your security administrator must create exclusions to allow the Tanium processes to run without interference.

Table 1: Reputation security exclusions

Target Device	Process
Module Server	<Tanium Module Server>\services\reputation-service\node.exe



Internet URLs

If security software is deployed in the environment to monitor and block unknown URLs, your security administrator might need to add the following URLs to the whitelist.

- reversinglabs.com
- virustotal.com
- wildfire.paloaltonetworks.com

User role requirements

Table 2: Reputation user role permissions

Permission	Reputation Administrator
Show Reputation¹ View the Reputation workbench	 ²
Reputation Read Read access to the Reputation shared service	 ²




Permission	Reputation Administrator
<p>Reputation Write³</p> <p>Write access to the Reputation shared service</p>	 ²
<p>Reputation Administrator</p> <p>Administrative access to the Reputation shared service</p>	
<p>¹ To install Reputation, you must have the reserved role of Administrator.</p> <p>² Denotes a provided permission.</p> <p>³ If you need access to only the Reputation API, you can add the Reputation Write permission to your user.</p>	

Table 3: Provided Reputation Advanced user role permissions for Tanium 7.1.314.3071 or later

Permission	Content Set for Permission	Reputation Administrator
Execute Plugin	Reputation	

For more information and descriptions of content sets and permissions, see the [Tanium Core Platform User Guide: Users and user groups](#).

Installing Reputation

You can install Reputation from the **Tanium Solutions** page.

Before you begin

- Read the [release notes](#).
- Review the [Reputation requirements on page 11](#).
- If you have Tanium Connect 4.10 or earlier installed, you must first either uninstall Connect or upgrade to Connect 4.11 or later. For more information, see [Tanium Connect User Guide: Uninstall Connect](#) or [Tanium Connect User Guide: Upgrade Connect](#).

Import Reputation

Import Reputation from the **Tanium Solutions** page.

1. From the Main menu, click **Tanium Solutions**.
2. In the **Tanium Content** section, select the Reputation row and click **Import Solution**.
3. In the **Content Import Preview** window, you can expand the package to review the Tanium content that is being installed. Click **Proceed with Import**.
4. After the installation process completes, refresh your browser.
5. From the main menu, click **Tanium Services > Reputation**. The Reputation home page is displayed.

Verify installation

To verify that Reputation is installed, go to the **Tanium Solutions** page and check the installed version.

Configure reputation service settings

Reputation service settings determine the contents of the reputation database. These settings determine how often reputation items are scanned in the reputation source, how long to consider items as new, and how long to keep items in the database if their reputation status has not been referenced. For more information about these settings and

how they affect the reputation items, see [Reputation item life cycle on page 6](#).

The screenshot shows a 'Settings' window with a 'Reputation Service Settings' section. It contains several configuration options:

- Rescan Items:** A checked checkbox. Description: 'If enabled, items such as file hashes will be resubmitted to reputation providers for rescanning, which allows item reputation changes to be discovered. New items are prioritized over old items.'
- Rescan Item Interval (days):** A text input field containing '7'. Description: 'Number of days to wait before rescanning a reputation item.'
- Maximum Age of New Items (days):** A text input field containing '7'. Description: 'If the first seen time of a item is within this time, the hash will be considered a new item. New items are rescanned based on the Rescan New Item Interval.'
- Rescan New Item Interval (minutes):** A text input field containing '600'. Description: 'Interval at which new items (newer than the Maximum Age of New Items value) will be rescanned. Value must be less than or equal to Maximum Age of New Items.'
- Remove Item Interval (days):** A text input field containing '60'. Description: 'Number of days to wait before removing a cached item that has not been queried from the reputation database.'
- Maximum Database Size (GB):** A text input field containing '10'. Description: 'If the database exceeds this size, the reputation service is disabled.'
- Maximum Disk Capacity (%):** A text input field containing '85'. Description: 'If disk use exceeds this capacity, the reputation service is disabled.'
- Keep Reports:** A dropdown menu set to 'All reports'.
- Reputation Service Log Level:** A dropdown menu set to 'Debug'. Description: 'Log level for the Reputation service logs'

At the bottom of the dialog are 'Save' and 'Cancel' buttons.

To update these settings, click Settings .

The **Keep Reports** setting determines whether you want the full reports from the reputation source to be kept in the reputation database. You can choose to keep all reports, or only malicious and suspicious reports. Selecting only malicious and suspicious reports saves space in the database. If you are using VirusTotal as a connection source, use the keep all reports option to get the enhanced reporting information.

What to do next





See [Getting started on page 10](#) for more information about using Reputation.

Configuring connect sources

Reputation is a service that queries reputation providers for threat intelligence about given file hashes. You can configure one or more reputation sources to build a repository of reputation data.

View reputation scan status

The Reputation home page displays the total number of reputation items, and the following information about each reputation source:

Enabled Sources	Total Items	Total New	Total Processed	Malicious
4 100% of all	267	0	267 0 rescanning	9.4% 25 items
 Palo Alto Networks WildFire	Items: 63	New: ---	Processed: 63 0 rescanning	Malicious: 6.3% 4 items
 ReversingLabs A1000	Items: 68	New: ---	Processed: 68 0 rescanning	Malicious: 8.8% 6 items
 ReversingLabs TitaniumCloud	Items: 68	New: ---	Processed: 68 0 rescanning	Malicious: 17.6% 12 items
 VirusTotal	Items: 68	New: ---	Processed: 68 0 rescanning	Malicious: 4.4% 3 items

- **Items:** total number of reputation items on this reputation source
- **New:** reputation items that still need to be scanned on this reputation source
- **Processed:** reputation items that have been scanned on this reputation source
- **Malicious:** percentage of items out of total reputation items that are malicious

Configure Palo Alto Networks WildFire reputation source


You can use Palo Alto Networks firewall security policies to capture suspicious files and forward them to the WildFire system for threat analysis. If the file is malware, the status is reported back to the firewall.

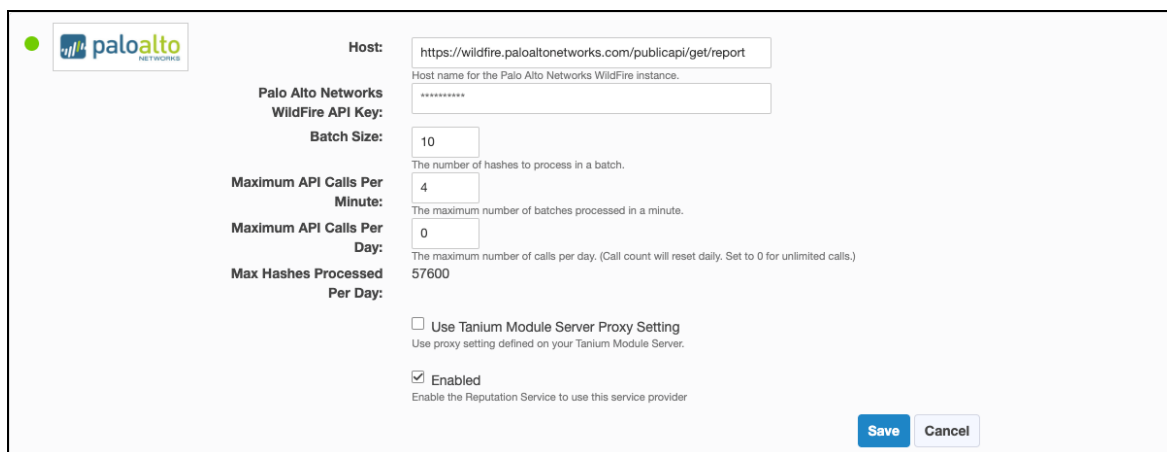
After the WildFire analysis is completed, the reputation service can query the results and update the reputation data.

Prerequisites

- A subscription to Cloud WildFire (wildfire.paloaltonetworks.com) or a configured WF-500 WildFire appliance.
- Palo Alto Networks Firewall with or without Panorama.

Configure settings

1. From the Reputation home page, click Settings  in the Palo Alto Networks WildFire section.



Host:
Host name for the Palo Alto Networks WildFire instance.

Palo Alto Networks WildFire API Key:

Batch Size:
The number of hashes to process in a batch.

Maximum API Calls Per Minute:
The maximum number of batches processed in a minute.

Maximum API Calls Per Day:
The maximum number of calls per day. (Call count will reset daily. Set to 0 for unlimited calls.)

Max Hashes Processed Per Day: 57600

Use Tanium Module Server Proxy Setting
Use proxy setting defined on your Tanium Module Server.

Enabled
Enable the Reputation Service to use this service provider

2. Specify settings, including the host of your WildFire instance and the API key.
3. Adjust the settings for **Batch Size**, **Maximum Calls Per Minute**, and **Maximum Calls Per Day** according to your agreement with Palo Alto Networks. The **Max Hashes Processed Per Day** value is automatically calculated based on these configured settings.
4. Select **Enabled** to enable the reputation source and click **Save**.

Configure ReversingLabs A1000 reputation source

ReversingLabs is an application that companies can install locally to analyze files and provide reputation results through API requests or a web interface.

Prerequisites

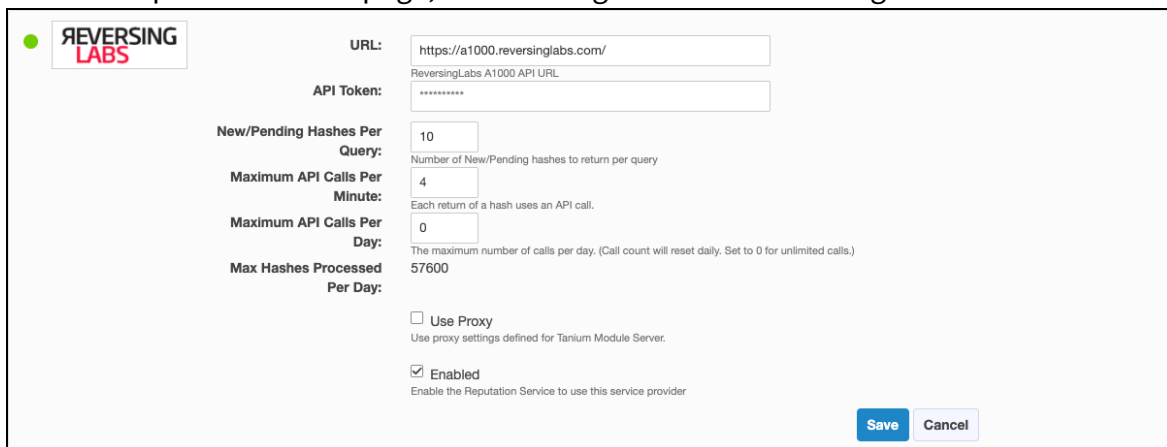
You must already have a ReversingLabs API token. If you have not already registered for ReversingLabs access, contact their sales team at reversinglabs.com.

To get an API key:

1. Sign into ReversingLabs.
2. Click the User Profile icon.
3. Select **Administration**.
4. Click **Tokens**.

Configure settings

1. From the Reputation home page, click Settings  in the ReversingLabs A1000 section.



The screenshot shows the configuration interface for the ReversingLabs A1000 Reputation service. It includes the following fields and options:

- URL:** (ReversingLabs A1000 API URL)
- API Token:**
- New/Pending Hashes Per Query:** (Number of New/Pending hashes to return per query)
- Maximum API Calls Per Minute:** (Each return of a hash uses an API call.)
- Maximum API Calls Per Day:** (The maximum number of calls per day. (Call count will reset daily. Set to 0 for unlimited calls.)
- Max Hashes Processed Per Day:** 57600
- Use Proxy (Use proxy settings defined for Tanium Module Server.)
- Enabled (Enable the Reputation Service to use this service provider)

Buttons: **Save** and **Cancel**

2. Add your ReversingLabs A1000 credentials: the **URL** for your API access and your **API Token**.
3. Adjust the settings for **New/Pending Hashes Per Query**, **Maximum API Calls Per Minute**, and **Maximum API Calls Per Day** according to your API agreement with ReversingLabs and your network requirements. The **Max Hashes Processed Per Day** value is automatically calculated based on these configured settings.
4. Select **Enabled** to enable the reputation source and click **Save**.

Configure ReversingLabs TitaniumCloud reputation source


ReversingLabs TitaniumCloud is an online service that analyzes files, hashes, and URLs to identify viruses, worms, trojans, and other kinds of malicious content that is detected by antivirus engines and website scanners. The reputation service sends reputation items to the ReversingLabs API and returns the results to the reputation database.

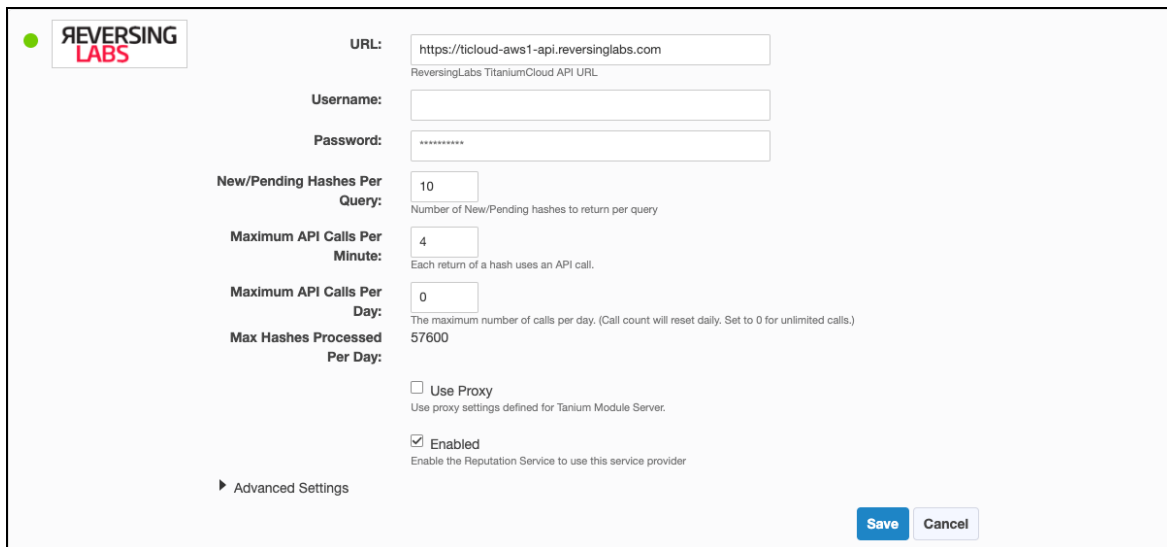
Prerequisites

You must already have a ReversingLabs TitaniumCloud account. If you have not already registered for ReversingLabs TitaniumCloud access, contact their sales team at

reversinglabs.com.

Configure settings

1. From the Reputation home page, click Settings  in the ReversingLabs TitaniumCloud section.



REVERSING LABS

URL:
ReversingLabs TitaniumCloud API URL

Username:

Password:

New/Pending Hashes Per Query:
Number of New/Pending hashes to return per query

Maximum API Calls Per Minute:
Each return of a hash uses an API call.

Maximum API Calls Per Day:
The maximum number of calls per day. (Call count will reset daily. Set to 0 for unlimited calls.)

Max Hashes Processed Per Day: 57600

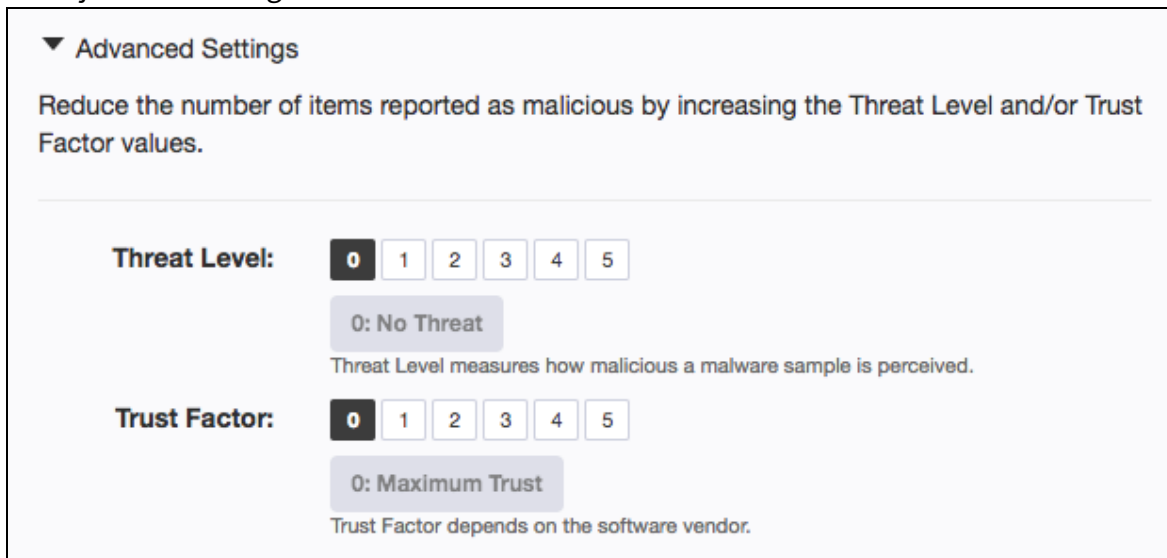
Use Proxy
Use proxy settings defined for Tanium Module Server.

Enabled
Enable the Reputation Service to use this service provider

▶ Advanced Settings

Save **Cancel**

2. Add your ReversingLabs TitaniumCloud credentials: the **URL** for your API access, your **Username**, and your **Password**.
3. Adjust the settings for **New/Pending Hashes Per Query**, **Maximum API Calls Per Minute**, and **Maximum API Calls Per Day** according to your API agreement with ReversingLabs and your network requirements. The **Max Hashes Processed Per Day** value is automatically calculated based on these configured settings.
4. To reduce the number of items reported as malicious, expand **Advanced Settings** and adjust the settings for **Threat Level** and **Trust Factor**.



▼ Advanced Settings

Reduce the number of items reported as malicious by increasing the Threat Level and/or Trust Factor values.

Threat Level: 0 1 2 3 4 5

0: No Threat

Threat Level measures how malicious a malware sample is perceived.

Trust Factor: 0 1 2 3 4 5

0: Maximum Trust

Trust Factor depends on the software vendor.

Tip: Setting **Threat Level** to 0 and **Trust Factor** to 0 results in the maximum number of reports for malicious items. Setting **Threat Level** to 5 and **Trust Factor** to 5 results in the fewest number of reports for malicious items.

5. Select **Enabled** to enable the reputation source and click **Save**.

Configure VirusTotal reputation source


VirusTotal is an online service that analyzes files, hashes, and URLs to identify viruses, worms, trojans, and other kinds of malicious content that is detected by antivirus engines and website scanners. The reputation service sends reputation items to the VirusTotal API and returns the results to the reputation database.

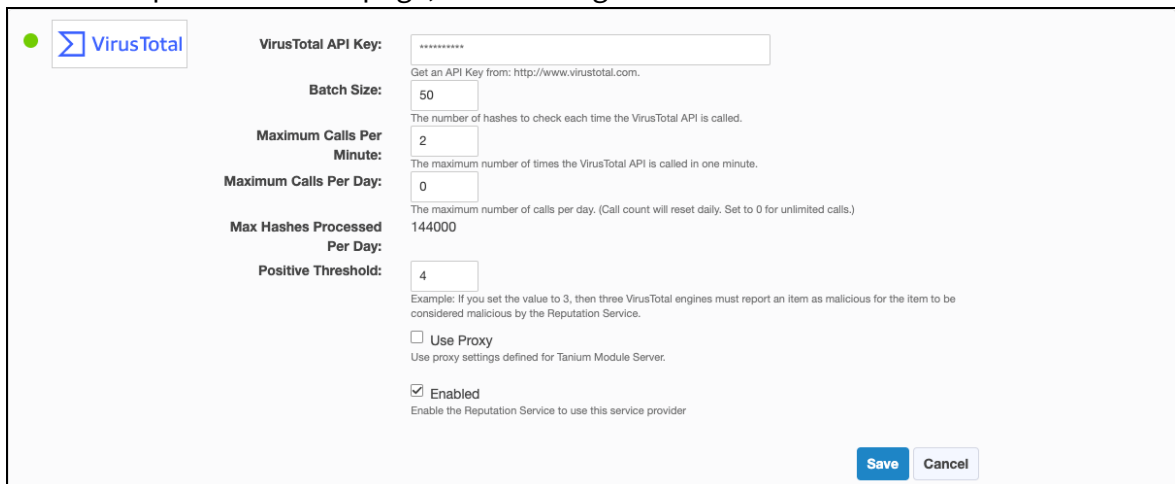
Prerequisites

Register for a VirusTotal API key at virustotal.com. VirusTotal makes their catalog available for query with an API key. Refer to the VirusTotal API use policy to determine which type of API key is appropriate.

To get the API key on the VirusTotal website, sign in and click **your_user_image > Settings > API Key**.

Configure settings

1. From the Reputation home page, click Settings  in the VirusTotal section.



VirusTotal

VirusTotal API Key: *****
Get an API Key from: <http://www.virustotal.com>.

Batch Size: 50
The number of hashes to check each time the VirusTotal API is called.

Maximum Calls Per Minute: 2
The maximum number of times the VirusTotal API is called in one minute.

Maximum Calls Per Day: 0
The maximum number of calls per day. (Call count will reset daily. Set to 0 for unlimited calls.)

Max Hashes Processed Per Day: 144000

Positive Threshold: 4
Example: If you set the value to 3, then three VirusTotal engines must report an item as malicious for the item to be considered malicious by the Reputation Service.

Use Proxy
Use proxy settings defined for Tanium Module Server.

Enabled
Enable the Reputation Service to use this service provider

Save **Cancel**

2. Specify settings for VirusTotal, including the API key.
 - Adjust the settings for **Batch Size**, **Maximum Calls Per Minute**, and **Maximum Calls Per Day** according to your agreement with VirusTotal. The **Max Hashes**

Processed Per Day value is automatically calculated based on these configured settings.

- The **Positive Threshold** is a number of positive reports that must be on the hash to be considered a potential threat or malware.

Tip: The likelihood that VirusTotal reports might include false positive indicators is higher when the value is set lower.

Example: If you set the value to **3**, then three VirusTotal engines must report an item as malicious for the item to be sent to Connect.

Setting the value to **0** disables the threshold. If any VirusTotal engine reports that item as malicious, the item is sent to Connect.

Reputation results for VirusTotal are determined as follows:

- Malicious: if the number of positives is greater than the threshold
- Suspicious: if the number of positives is greater than zero, but less than the threshold
- Non-malicious: if the number of positives is zero
- Unknown: if there is no data

3. Select **Enabled** to enable the reputation source and click **Save**.

Managing whitelist or blacklist data

To view a list of hashes that have been whitelisted or blacklisted, click **Whitelist/Blacklist** from the Reputation home page. You can also search for file hashes and add, import, export, or delete reputation data hashes.

Add data hashes

1. From the Reputation home page, click **Whitelist/Blacklist** and then click **Add Hashes**.
2. To add hashes that are known to be malicious to the blacklist, enter a hash, select **Blacklist**, and click **Save to Blacklist**.
3. To add hashes that are known to be false detections to the whitelist, enter a hash, select **Whitelist**, and click **Save to Whitelist**.

Import hashes

1. From the Reputation home page, click **Whitelist/Blacklist** and then click **Import Hashes**.

Import Hashes

The uploaded file must be a CSV file with the "hash" and "list" header fields.

```
hash,list
fadb1154b2a36dc45264a8f74b919105,whitelist
356b5b978323b83b1182d8c914bc3b51,blacklist
```

You can also upload the same CSV format as the Whitelist/Blacklist export file.


Replace Current Hashes **Append** Cancel

2. To replace the current hashes, click **Replace Current Hashes** and select your file in CSV format or a previously exported Whitelist/Blacklist file.
3. To append to the current hashes, click **Append** and select your file in CSV format or a previously exported Whitelist/Blacklist file.


Note: Reputation automatically handles consolidating duplicate records by learning from service providers when different types of hashes represent the same file.

If you want to manually consolidate hashes, you can export the existing Whitelist/Blacklist file, edit the file to add hashes in the appropriate columns for a specific row, and then import the updated file using the **Replace Current Hashes** option.

Export hashes

1. From the Reputation home page, click **Whitelist/Blacklist**.
2. To export specific hashes, select one or more hashes and click Export .
3. To export all hashes, click **Download All**.

Delete hashes

1. From the Reputation home page, click **Whitelist/Blacklist**.
2. To delete specific hashes, select one or more hashes and click Delete .
3. To delete all hashes, click **Delete All**.

Exporting connect data

View reputation data

To view a list of the malicious hashes that Reputation has pulled from the reputation services, click **Malicious Reputations** from the Reputation menu.

Type	Value	Service	Updated On
hash	c33a4765676df4b1ba7e8cb0db4ce26633576d8807749002b136b5e37f580da7	WILDFIRE	2019-05-21 21:33:06.480
hash	5dcf26e3fbce71902b0cd7c72c60545b	CUSTOM	2019-05-21 21:33:06.480
hash	b3feb9beaf167edd556bd7334e3833b2	CUSTOM	2019-05-21 21:33:06.480

Only hashes with a malicious or pending status are listed.

In Trace, you can view the ratings on hashes for Live Endpoints or Snapshots. For more information, see [Tanium Trace User Guide: How reputation data works with Trace](#).

Send reputation data to Connect destinations


You can use Connect 4.11 or later to create a connection to send the data that is in the reputation database to any Connect destination. For example, you might configure a connection to create an email notification when a malicious item is found.

1. From the Connect menu, click **Connections**.
2. Click **Create Connection > Create** to create a new connection.

3. When you select a source for the connection, select **Tanium Reputation**.

Source and Destination

Source: Where is the data coming from?



Tanium Reputation

Reputation Status To Include:

ALL
Include all reputation responses.

MALICIOUS
List reputation responses that were reported as a threat or malware.

NON_MALICIOUS
List reputation responses that do not include evidence of threat or malware.

SUSPICIOUS
List reputation responses that were reported as a possible threat or malware.

Advanced

Timeout:

You can also select the reputation status to include.

4. Configure the destination settings for the connection.

Note: The first run of a connection that uses **Tanium Reputation** as a source retrieves all available reputation items. Subsequent runs of that connection retrieve only the reputation changes since the last time the connection ran.

Send data to the reputation service

If you want to pre-populate reputation data with hashes from your environment, you can send data to the reputation service as a connection destination. When this content is pre-

populated, the reputation service can start querying about the status of the items from the reputation sources.

1. From the Connect menu, click **Connections**.
2. Click **Create Connection > Create** to create a new connection.
3. For the source, choose a saved question that returns a hash, such as **Running Processes with MD5 Hash**.
4. For the destination, choose **Tanium Reputation** and select the appropriate hash type for the **Hash Field**.

Source and Destination

Source: Where is the data coming from?

Destination: Where is the data going?

Source: TANIMUM

Destination: TANIMUM

Source: Saved Question: Running Processes with MD5 hash

Destination: Tanium Reputation

Source: Saved Question Name: Running Processes with MD5 hash

Destination: Hash Field: MD5 Hash

Source: Computer Group: All Computers

Destination: The column name in the results of the saved question that contains the hash (MD5, SHA1, SHA256) of the file to be checked.

Advanced Settings


IMPORTANT: Each reputation service connection destination is configured for a specific hash column name. You must use a separate destination for each hash type that you are populating. For example, if you are populating both MD5 and SHA1 hashes from different saved questions, create two connection destinations with different values for the **Hash Field** field.

Troubleshooting Reputation

To collect and send information to Tanium for troubleshooting, collect logs and other relevant information.

Collect logs

The information is saved as a ZIP file that you can download with your browser.

1. From the Reputation **Home** page, click Help , then the **Troubleshooting** tab.
2. Click **Collect**.
A `reputation-support.[timestamp].zip` file downloads to the local download directory.
3. Attach the ZIP file to your Tanium Support case form or send it to your TAM.

Tanium Reputation maintains logging information in the `reputation-service.log` file in the `\Program Files\Tanium\Tanium Module Server\services\reputation-service` directory.

Uninstall Reputation

The basic Reputation shared service uninstallation is designed so that the data you have collected is restored if you later decide to reinstall Reputation. In some cases, you might want to start "clean" and not restore the data. To do this, you must manually remove some files.

IMPORTANT: Consult with your TAM before you uninstall or reinstall Reputation.

Uninstall Reputation so data is restored on reinstall

1. Sign into the Tanium Console as a user with the Administrator role.
2. From the Main menu, click **Tanium Solutions**.
3. In the **Tanium Solutions** section, select the **Reputation** row and click **Uninstall Solution**.
4. Review the summary and click **Proceed with Uninstall**.
5. When prompted to confirm, enter your password.

If you later import the Reputation shared service, the previous data is restored.

Uninstall Reputation so you start fresh when you reinstall

1. [Uninstall Reputation so data is restored on reinstall on page 28](#).
2. Manually delete the `\Program Files\Tanium\Tanium Module Server\services\reputation-files\` directory.

Deleting the `reputation-files` directory removes all existing Reputation data. All logs, output, the Reputation database, and any other Reputation data is deleted. If you later import the Reputation shared service, the previous data is not restored.