

Deployment Guide

# Integration with Tenable.io



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## Introduction

Infoblox and Tenable.io together help empower actionable insight into your entire infrastructure's security risks, allowing for you to quickly and accurately identify, investigate, and prioritize vulnerabilities and misconfigurations in your modern IT environment.

Infoblox provides Tenable.io with resources such as IP addresses, Hosts, and potential threats and in exchange Tenable.io gets improved management on assets and the ability to automatically trigger scans when security events occur. The integration with Infoblox and Tenable.io allows for quicker remediation and more insight into the entire network.

**Note that all Images in this document were taken in NIOS 8.4**

## Prerequisites

The following are prerequisites for the integration using Outbound API notifications:

Infoblox:

- Infoblox:
  - NIOS 8.3 or higher.
  - Security Ecosystem License.
  - Outbound API integration templates.
  - Prerequisites for the templates (e.g. configured and set Extensible Attributes).
  - Pre-configured services: DNS, DHCP, RPZ, ADP and Threat Analytics.
  - NIOS API user with the following permissions (access via API only):
    - All Network Views – RW.
    - All Hosts – RW.
    - All IPv4 Networks – RW.
    - All IPv6 Networks – RW.
    - All IPv4 Ranges – RW.
    - All IPv6 Ranges – RW.
    - All IPv4 DHCP Fixed Addresses/Reservations – RW.
    - All IPv6 DHCP Fixed Addresses/Reservations – RW.

- Tenable.io
  - Account with standard permissions

## Known Limitations

The current templates support DNS Firewall (RPZ), Threat Insight (DNS Tunneling), Advanced DNS Protection, Network IPv4, Network IPv6, Range IPv4, Range IPv6, Host IPv4, Host IPv6, Fixed address IPv4, Fixed address IPv6, Discovery and Lease events only. If additional templates become available, they will be found on the Infoblox community site.

Note that editing the device type of an IPv4 or IPv6 fixed address is not supported.

Note that for Host and Fixed events, manually adding, editing or deleting objects multiple times within a short span of time may cause unexpected results.

## Best practices

Outbound API templates can be found on the Infoblox community site on the Partner Integrations page. After registering an account, you can subscribe to the relevant groups and forums. If additional templates come out, they will be found on the Infoblox community site.

For production systems, it is highly recommended to set the log level for an endpoint to **Info** or higher (**Warning**, **Error**).

Please refer to the Infoblox NIOS Administrator's Guide about other best practices, limitations and any detailed information on how to develop notification templates. The NIOS Administrator's Guide can be found through the Help panel in your Infoblox GUI, or on the Infoblox Support portal.

## Configuration

### Workflow

#### Tenable.io:

1. Configure Permissions
2. Create a Target Group
3. Create a Scan template.
4. Generate API Keys

#### Infoblox:

1. Install the Security Ecosystem license if it was not installed.
2. Check that the necessary services and features are properly configured and enabled, including DNS, DHCP, RPZ, ADP and Threat Analytics.
3. Create the required Extensible Attributes.
4. Download (or create your own) notification templates (Tenable IO Session, Tenable IO Scan, Tenable IO Discovery, Tenable IO Lease, Tenable IO Assets, Tenable IO Network & Range) from the Infoblox community website.
5. Add the templates.
6. Add a REST API Endpoint.
7. Add Notifications.
8. Emulate an event, check Rest API Endpoint debug log and/or verify changes on the grid.

## Before you get Started

### Download Templates from the Infoblox Community Website

Outbound API templates are an essential part of the configuration. Templates fully control the integration and steps required to execute the outbound notifications. Detailed information on how to develop templates can be found in the NIOS Administrator's guide.

Infoblox does not distribute any templates (out-of-the-box) with the NIOS releases. Templates are available on the Infoblox community website. Templates for the Tenable.io integration are located in the **Partner Integrations**. You can find other templates posted in the **API & Integration** forum.

Templates may require additional Extensible Attributes, parameters or WAPI credentials to be created or defined. The required configuration should be provided with a template. Don't forget to apply any changes required by the template before testing a notification.

## Extensible Attributes

For this integration, the following Extensible Attributes need to be created on the grid.

*Table 1. Extensible Attributes*

Extensible Attributes	Description	Type
TNBL_IO_Add_by_Hostname	Whether or not using a host's name as the target name is desired (otherwise will use its IP as the target name). The hostname should be resolvable by Tenable.io.	List (true, false)
TNBL_IO_Last_Scan	Timestamp when target was last scanned by Tenable.io.	String
TNBL_IO_Scan_On_Add	Whether or not a target will be scanned upon creation.	List (true, false)
TNBL_IO_Scan	Whether or not a target will be scanned after a security event.	List (true, false)
TNBL_IO_Sync	Whether or adding the target to the Target Group list of targets is desired.	List (true, false)
TNBL_IO_Scan_Template	Name of the scan that will scan the target. It must match an active scan on Tenable.io.	String
TNBL_IO_Asset_Sync	Whether or not syncing asset events with Tenable.io is desired.	List (true, false)
TNBL_IO_Sync_Time	Timestamp when the asset was added to Tenable.io.	String
TNBL_IO_Target_Group	A target group allows you to set permissions on which targets (FQDNs, CIDR notations, ranges, or IP addresses) users can scan.	String

## Editing Instance Variables

Tenable.io templates use instance variables to adjust the templates' behavior. Instance variables can be entered through the grid GUI at **Grid → Ecosystem → Notification** and then selecting the notification you created at **Edit → Templates**.

Table 2. Instance Variables

Instance Variable	Description	Type
Add_Discovery_Data	Whether or adding the target to the Target Group list of targets is desired.	String (true, false)
Scan_Discovery_Data	Whether or not a target will be scanned upon creation.	String (true, false)
Discovery_Asset_Sync	Whether or not syncing asset events with Tenable.io is desired.	String (true, false)
Discovery_Scan_Template	Name of the scan that will scan the target. It must match an active scan on Tenable.io.	String
Discovery_Target_Group	A target group allows you to set permissions on which targets (FQDNs, CIDR notations, ranges, or IP addresses) users can scan.	String

### Editing Session Variables

The Tenable\_IO\_Session template uses two session variables to login to the Tenable.io instance. Session variables can be entered through the grid GUI at **Grid → Ecosystem → Outbound Endpoint** and then selecting the endpoint you created at **Edit → Session Management**.

Table 3. Session Variables

Session Variable	Description
accessKey	A Token that is required to leverage the Tenable.io API.
secretKey	A Token that is required to leverage the Tenable.io API.

### Supported Notification

A notification can be considered as a *link* between a template, an endpoint and an event. In the notification properties, you define which event triggers the notification, which template is executed and with which API endpoint NIOS will establish the connection to. The Tenable.io templates support a subset of available notifications (refer to the limitations chapter in this guide for more details). In order to simplify the deployment, only create required notifications and use the relevant filters. It is highly recommended to configure deduplication for RPZ events and exclude a feed that is automatically populated by Threat Analytics.

Table 4. Supported Notifications

Notification	Description
DNS RPZ	DNS queries that are malicious or unwanted
DNS Tunneling	Data exfiltration that occurs on the network
ADP	DNS queries that are malicious or unwanted
DHCP Leases	Lease events that occur on the network
Object Change Network IPv4	Added/Deleted IPv4 network objects
Object Change Network IPv6	Added/Deleted network IPv6 objects
Object Change Range IPv4	Added/Deleted Host IPv4 objects
Object Change Range IPv6	Added/Deleted Host IPv6 objects
Object Change Fixed Address IPv4	Added/Deleted fixed/reserved IPv4 objects
Object Change Fixed Address IPv6	Added/Deleted fixed/reserved IPv6 objects
Object Change Host Address IPv4	Added/Deleted Host IPv4 objects
Object Change Host Address IPv6	Added/Deleted Host IPv6 objects
Object Change Discovery Data	Discovery data

### Infoblox Permissions

The Infoblox and Tenable.io integration requires a few permissions for the integration to work. Navigate to **Administration** → **Administrators** and add a **Roles, Permissions, Groups** and **Admins** to include permissions that are required for the integrations. When creating a new group, under the **Groups** tab, select the **API** interface under the **Allowed Interfaces** category.

### Tenable.io Configuration

#### Configure Permissions

In order to configure permissions:

1. Navigate to **Settings** → **Users** and click **New User**.

tenable.io Vulnerability Management | Dashboards Scans Reports **Settings** Search Users

SETTINGS

- About
- Recast Rules
- Tags
- Connectors
- Credentials
- Access Groups
- Licensing

ACCOUNTS

- My Account
- Users**
- Groups

Users **New User**

From this page, you can view, create, edit, and delete users. Once created, a user is configured with a role, which determines their scanner permissions. Additionally, each user can generate a custom API key to authenticate with the REST API.

<input type="checkbox"/>	Name	Last Login	Last Failed	Total Failed	Role	
<input type="checkbox"/>	kvasudevan@infoblox.com	Never	Never	0	Administrator	✕
<input type="checkbox"/>	kzettel@infoblox.com	09:14 AM	11/15/18	8	Administrator	

2. Insert the name and password and enter the Role with permissions levels set to Standard or higher.

New User [Back to Users](#)

**Account Settings**

**User Info**

Username: Infoblox@infoblox.com

Full Name: Infoblox\_API

Email: Example: test@test.com

Role: Standard

**Password**

Password: [masked] [Show](#)

GOOD [Progress Bar]

**Save** [Cancel](#)

Standard ▲

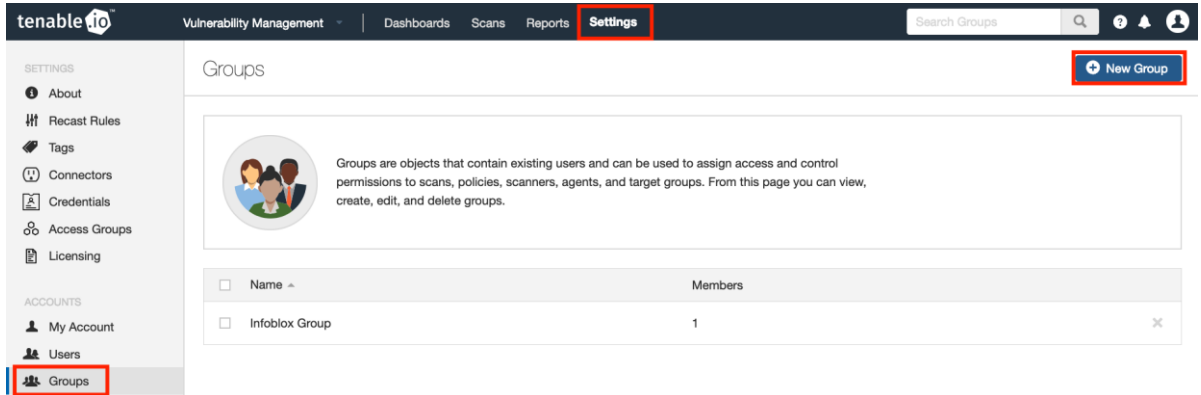
Basic

Standard

Administrator

3. Navigate to **Settings** → **Groups** and click **New Group**.

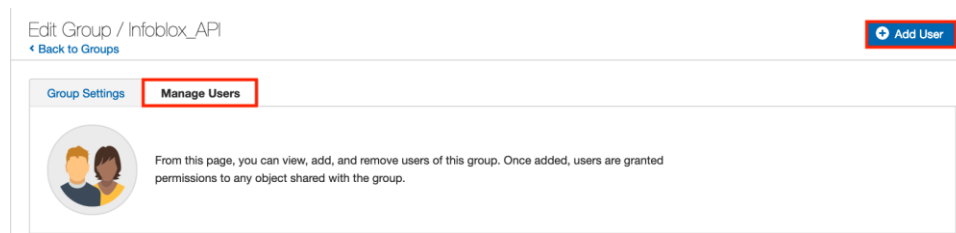




4. Enter a name for a Group that is not currently being used and click **Add**.

The 'New Group' modal form is shown. The 'Name' field is populated with 'Infoblox\_API'. At the bottom, there are 'Add' and 'Cancel' buttons.

5. Inside the Created Group select **Manage Users** and then click **Add Users**.

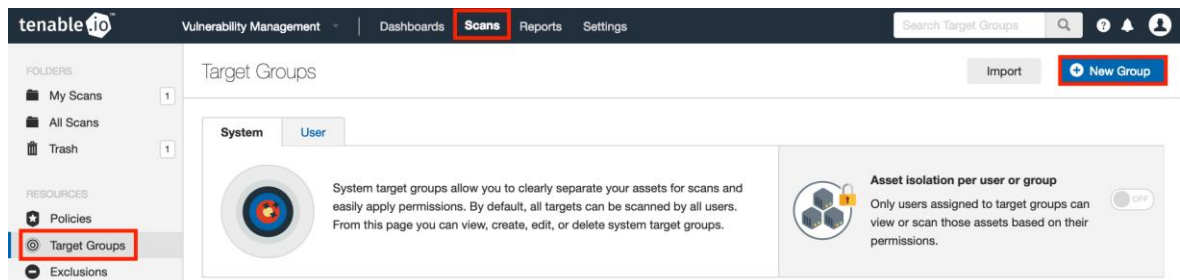


6. Click the **User** dropdown and select the user created for the API.

The 'Add User' modal form is shown. The 'User' dropdown menu is open, showing 'infoblox@infoblox.com' selected. At the bottom, there are 'Save' and 'Cancel' buttons.

## Create a Target Group

7. Navigate to **Scans** → **Target Groups** and select **New Group**.



8. Enter a name for a target group that isn't being used and for Targets enter any default value for a placeholder.

## New Target Group

[← Back to Target Groups](#)

### General

Name

Targets

Upload Targets [Add File](#)

9. Under permissions add a group with at least standard permissions and click the drop down next to the user and choose **Can scan** then click **Save**.

### Permissions

**!** You must grant at least one user the ability to run scans (either by changing the default setting or by customizing the permissions). Note that target group permissions do not increase user role permissions; basic users cannot run scans.

Add users or groups

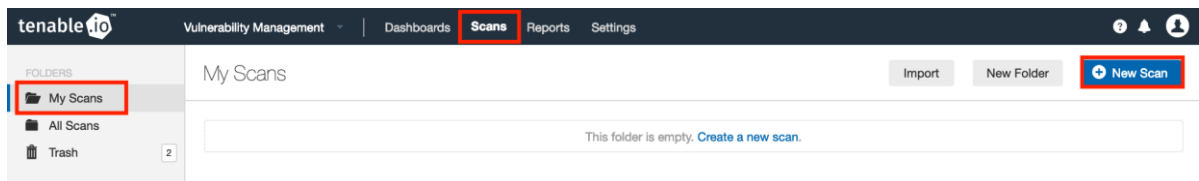
Default	No access
Infoblox_API	Can scan

[Save](#) [Cancel](#)

## Create a Scan Template

In order to create a scan template:

1. Navigate to **Scans** → **My Scans** and select **New Scan**.



2. On the **Scan Templates** page select the appropriate Scanner template you wish to use.

## Scan Templates

[Back to Scans](#)

Scanner Agent Web Application

<b>Advanced Network Scan</b> Configure a scan without using any recommendations.	<b>Audit Cloud Infrastructure</b> Audit the configuration of third-party cloud services.	<b>Badlock Detection</b> Remote and local checks for CVE-2016-2118 and CVE-2016-0128.	<b>Bash Shellshock Detection</b> Remote and local checks for CVE-2014-6271 and CVE-2014-7169.	<b>Basic Network Scan</b> A full system scan suitable for any host.
<b>Credentialed Patch Audit</b> Authenticate to hosts and enumerate missing updates.	<b>DROWN Detection</b> Remote checks for CVE-2016-0800.	<b>Host Discovery</b> A simple scan to discover live hosts and open ports.	<b>Intel AMT Security Bypass...</b> Remote and local checks for CVE-2017-5689.	<b>Internal PCI Network Scan</b> Perform an internal PCI DSS (11.2.1) vulnerability scan.
<b>Malware Scan</b> Scan for malware on Windows and Unix systems.	<b>MDM Config Audit</b> Audit the configuration of mobile device managers.	<b>Mobile Device Scan</b> Assess mobile devices via Microsoft Exchange or an MDM.	<b>Offline Config Audit</b> Audit the configuration of network devices.	<b>PCI Quarterly External Scan</b> Approved for quarterly external scanning as required by PCI.
<b>Policy Compliance Auditing</b> Audit system configurations against a known baseline.	<b>SCAP and OVAL Auditing</b> Audit systems using SCAP and OVAL definitions.	<b>Shadow Brokers Scan</b> Scan for vulnerabilities disclosed in the Shadow Brokers leaks.	<b>Spectre and Meltdown De...</b> Remote and local checks for CVE-2017-5753, CVE-2017-5715, and CVE-2017-5754.	<b>WannaCry Ransomware D...</b> WannaCry Detection

3. Insert a name that isn't being used and choose the **Target Group** you created to add assets from Infoblox to.

## New Scan / Basic Network Scan

[Back to Scan Templates](#)

Settings Credentials

**BASIC** ▼

- General
- Schedule
- Notifications
- Permissions

**DISCOVERY** >

**ASSESSMENT** >

**REPORT** >

**ADVANCED** >

Name

Description

Folder  ▼

Scanner  ▼ Default

Target Groups  ×

Targets

Upload Targets [Add File](#)

[Save](#) ▼

[Cancel](#)

**Note: you can configure any other setting as needed.**

4. Click Save when you are finished configuring the scan template.

My Scans

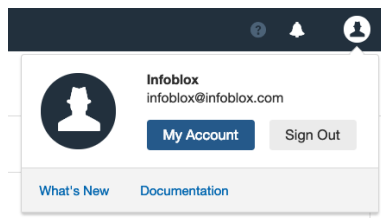
Import New Folder **New Scan**

<input type="checkbox"/>	Name	Schedule	Last Modified
<input type="checkbox"/>	Infoblox_Scan	On Demand	N/A

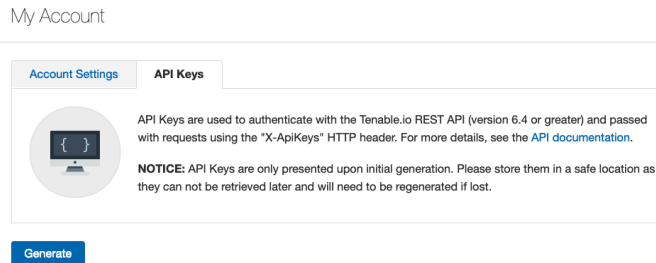
## Generate API Keys

In order to Generate API Keys:

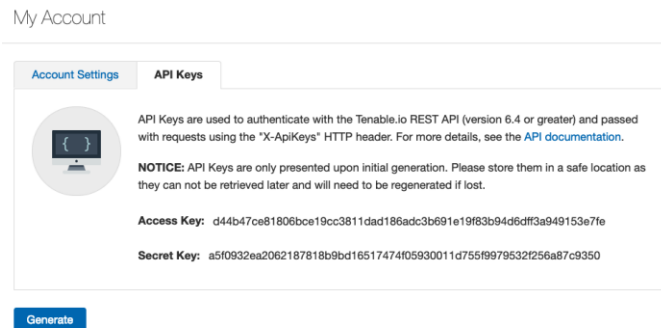
1. Navigate to the image for your profile and select **My Account**.



2. Navigate to **API Keys** and click **Generate**.



3. Here you will find the **Access Key** and the **Secret Key**. You will need these for creating the Outbound Endpoint later in Infoblox.

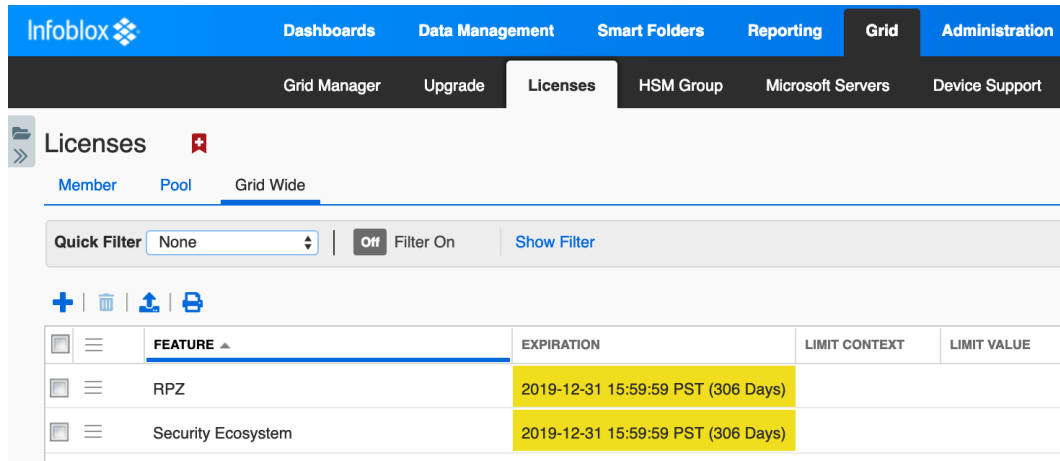


## Infoblox NIOS Configuration

### Check if the Security Ecosystem License is Installed

Security Ecosystem License is a **Grid Wide** License. Grid wide licenses activate services on all appliances in the same Grid.

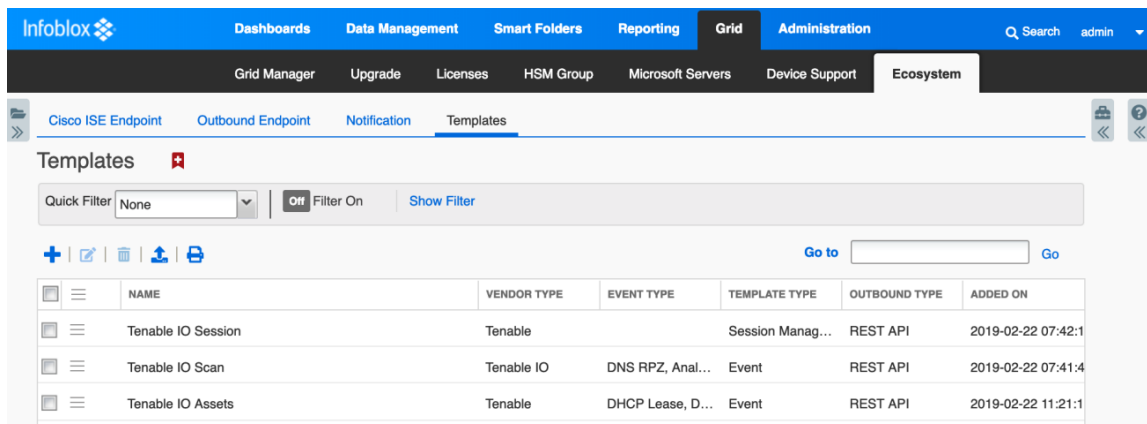
In order to check if the license was installed navigate to **Grid → Licenses → Grid Wide**.



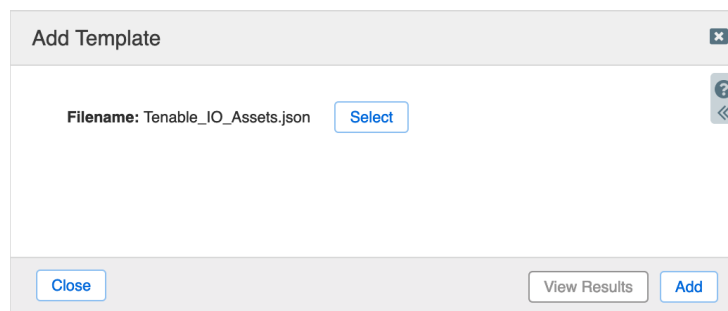
## Add/Upload Templates

In order to upload/add templates:

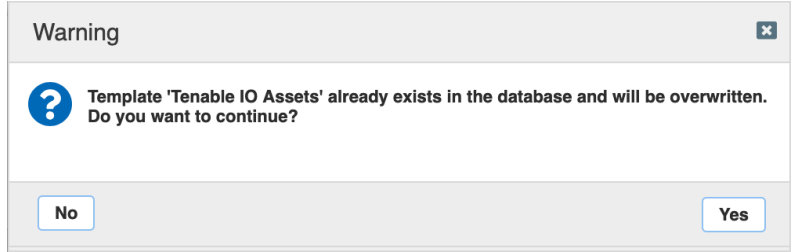
1. Navigate to **Grid → Ecosystem → Templates** and click **+** or **+ Add Template**.



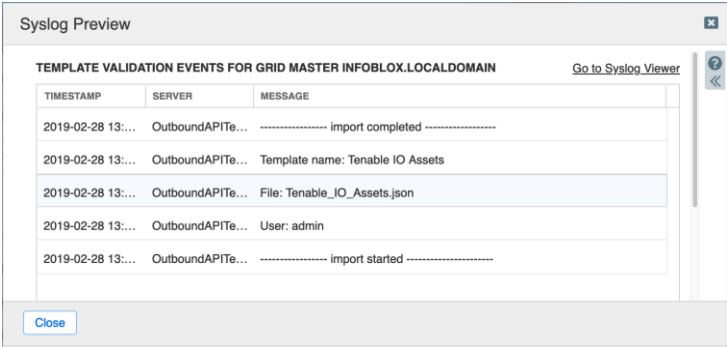
2. Click the **Select** button on the **Add template** window.
3. Click the **Select** button on the **Upload** window. The standard file selection dialog will open.
4. Select the file and Click the **Upload** button on the **Upload** window.
5. Click the **Add** button and the template will be added/uploaded.



6. If a template was previously uploaded, click **Yes** to overwrite the template.



7. You can review the uploaded results in the syslog or by clicking the **View Results** button.

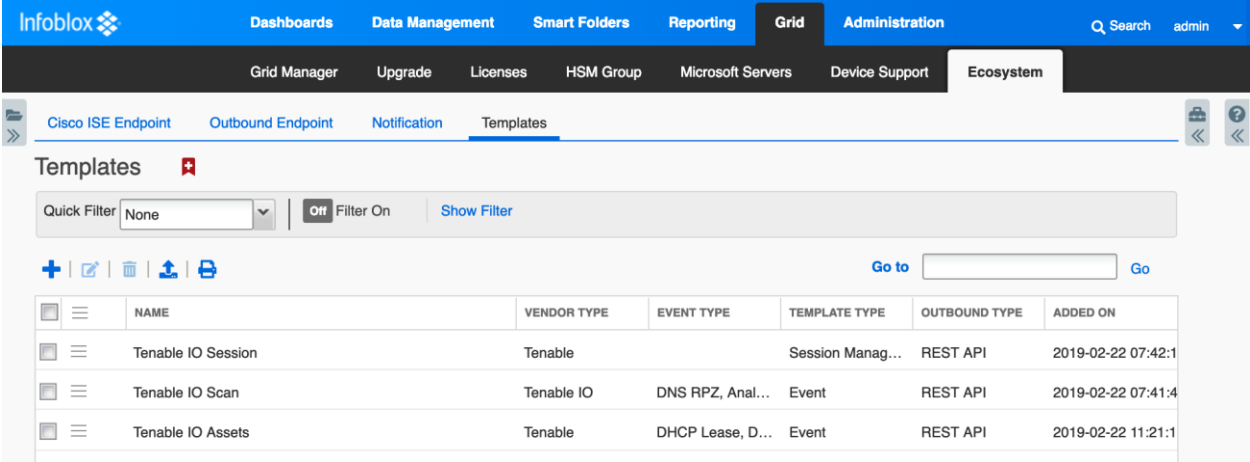


**Note: There is no difference between uploading session management and action templates.**

### Modifying Templates

NIOS provides the facility to modify the templates via the web-interface.

1. Navigate to **Grid → Ecosystem → Templates**, and then click the gear icon next to the template you want to modify.



2. Click the **Edit** button to open up the **Template** window.

Tenable IO Assets (Template)

**Basic**

General  
Contents

\*Name: Tenable IO Assets

Type: REST API

Vendor Type: Tenable IO

Event Type: DB Change DHCP Fixed Address IPv4, DB Change DHCP Fixed Address IPv6, DB Change DNS Host Address IPv4, DB Change DNS Host Address IPv6

Template Type: Event

Comment: Tenable IO Assets management

Cancel Save & Close

3. Click on the **Contents** tab to view/edit the template.

Tenable IO Assets (Template)

**Basic**

General  
Contents

```
{
  "name": "Tenable IO Assets",
  "vendor_identifier": "Tenable IO",
  "comment": "Tenable IO Assets management",
  "version": "5.0",
  "type": "REST_EVENT",
  "event_type": [
    "FIXED_ADDRESS_IPV4",
    "FIXED_ADDRESS_IPV6",
    "HOST_ADDRESS_IPV4",
    "HOST_ADDRESS_IPV6"
  ],
  "content_type": "application/json",
  "quoting": "XMLA",
  "headers": {
    "X-apikeys": "accessKey=${S:A.accessKey};secretKey=${S:A.secretKey}"
  },
  "steps": [
    {
      "name": "DebugStart",
      "operation": "NOP",
      "body": "${XC.DFRLIG:4H:3}${XC.DFRLIG:4F:3}${XC.DFRLIG:4I:3}${XC.DFRLIG:4J:3}${XC.DFRLIG:4K:3}"
    }
  ]
}
```

Cancel Save & Close

The template editor is a simple interface for making changes to templates. It is recommended to only use the template editor to make minor changes. You can also edit, cut and paste template snippets from a text editor of your choice.

**Note: You cannot delete a template if it is used by an endpoint or by a notification.**

## Add a Rest API Endpoint

A **REST API Endpoint** is basically a remote system which should receive changes based on a notification and a configured template. A Grid, for example, can not only send notifications, it can also receive the notifications from itself (e.g. for testing purposes).

In order to add REST API Endpoints:

1. Navigate to **Grid** → **Ecosystem** → **Outbound Endpoints** and click **+** or **+ Add REST API Endpoint** buttons. The **Add REST API Endpoint Wizard** window will open.

Navigation: Dashboards | Data Management | Smart Folders | Reporting | **Grid** | Administration

Sub-navigation: Grid Manager | Upgrade | Licenses | HSM Group | Microsoft Servers | Device Support | **Ecosystem**

Outbound Endpoint | Notification | Templates

## Outbound Endpoint 🚩

Quick Filter:  |  Filter On | [Show Filter](#)

[Go to](#)

ENDPOINT TYPE	URI	VENDOR TYPE	OUTBOUND MEMB...	COMMENT
REST API	https://cloud.ten...	Tenable IO	Grid Master	

- Add REST API Endpoint
- Add DXL Endpoint
- Add Syslog Endpoint

2. The URI and Name for the appliance you are integrating with are required.
3. The URI should be the IP/FQDN of the appliance you are integrating with, with the correct URI scheme.
4. Specify **WAPI Integration Username** and **WAPI Integration Password** (NIO credentials).

Add REST API Endpoint Wizard > Step 1 of 3

\*URI:

\*Name:

Vendor Type:

Auth Username:

Auth Password:

Client Certificate:

WAPI Integration Username:

WAPI Integration Password:

Server Certificate Validation:
 

- Use CA Certificate Validation (Recommended)
- Enable Host Validation
- Do not use validation (Not recommended for production environment)

\*Member Source outbound API requests from:
 

- Selected Grid Master Candidate
- Current Grid Master

Comment:

Disable

5. (Optional) For debug purposes only: Under **Session Management**, set **Log Level** to **Debug**.



Tenable IO (REST API Endpoint)

**Basic**

General  
Session Management  
Extensible Attributes

Timeout: 30 Seconds

Log Level: Debug

Template: Tenable IO Session [Select Template](#) [Clear](#)

Vendor Type: Tenable IO

Template Type: Session Management

Parameters

NAME	VALUE	TYPE
accessKey	xxx	String
secretKey	xxx	String

[Cancel](#) [Save & Close](#)

6. The **accessKey** and **secretKey** can be found when you create the API keys for the user.

Note: When possible, it is recommended to send notifications from a Grid Master Candidate instead of from the Grid Master.

## Adding Token

- Navigate to the **Session Management** tab and add the **Token** to the value fields.

Add REST API Endpoint Wizard > Step 2 of 3

Timeout: 30 Seconds

Log Level: Debug

Template: Tenable IO Session [Select Template](#) [Clear](#)

Vendor Type: Tenable

Template Type: Session Management

Parameters

NAME	VALUE	TYPE
accessKey	2f60ebe4a3091bc740eeffa6fb38bce44d714ec27cbf83ca03933d7b63e933	String
secretKey	69abc19a2a5a54882618a9faf2662927e675da43946fd9ccc0614d7209c45571	String

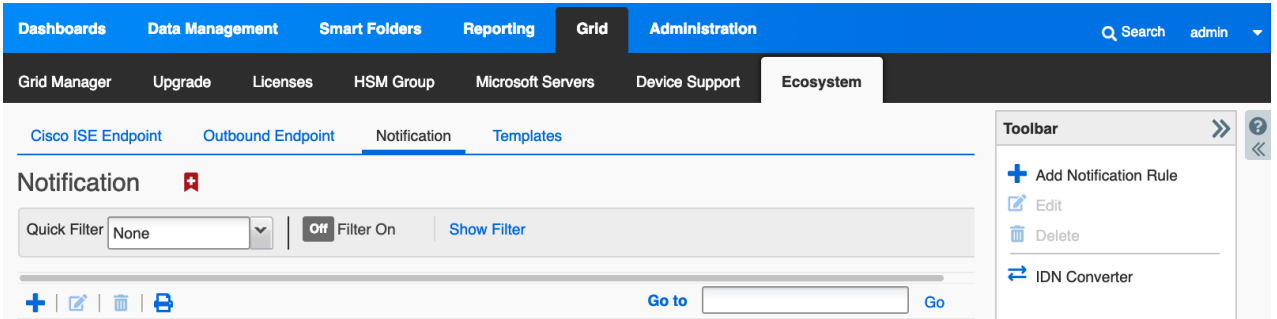
[Cancel](#) [Previous](#) [Next](#) [Save & Close](#)

## Add a Notification

An endpoint and a template must be added before you can add a notification.

In order to add notifications:

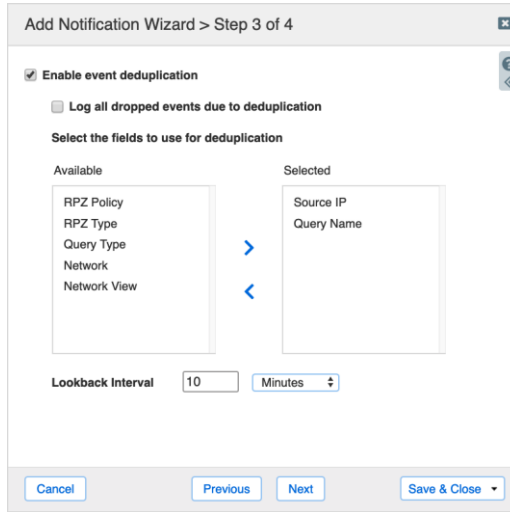
1. Navigate to **Grid** → **Ecosystem** → **Notification** and click + or + **Add Notification Rule** then the **Add Notification Wizard** window will open.



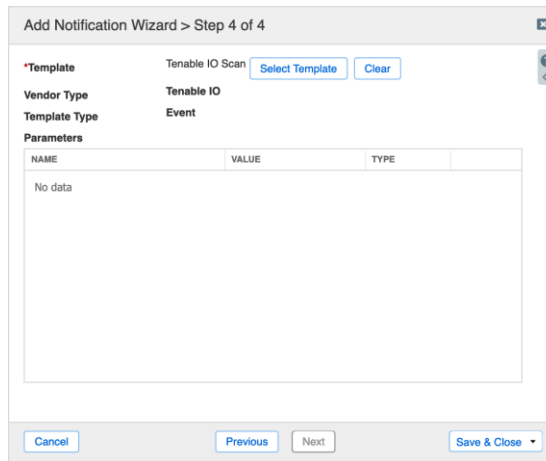
2. Specify the notification's name and select an endpoint (Target), click **Next**.

3. Select an event type and define a filter. Note: For optimal performance, it is best practice to make the filter as narrow as possible. Click **Next**.

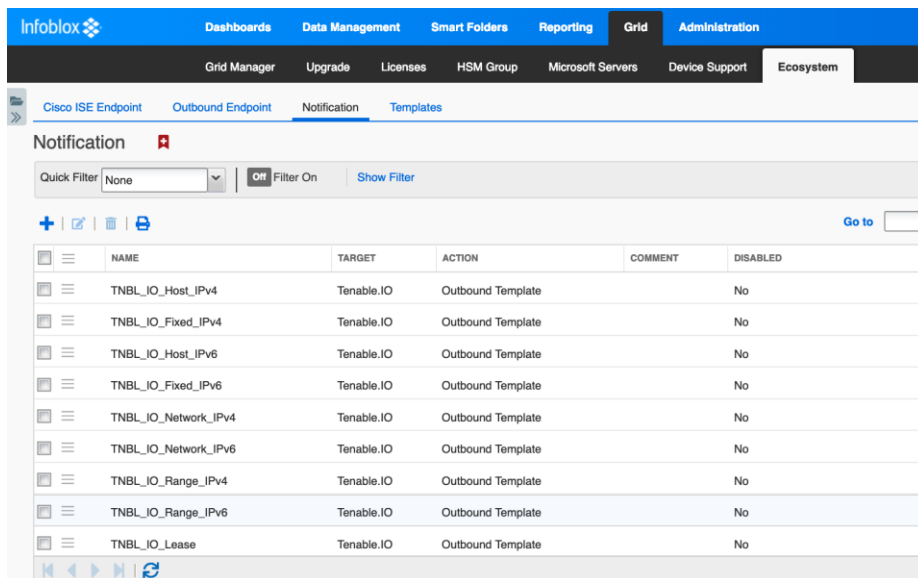
4. (For Security related notifications only) Check **Enable event deduplication** and specify relevant parameters. Click **Next**.



5. Select a relevant template and specify the template's parameters if any are required. Click **Save & Close**.

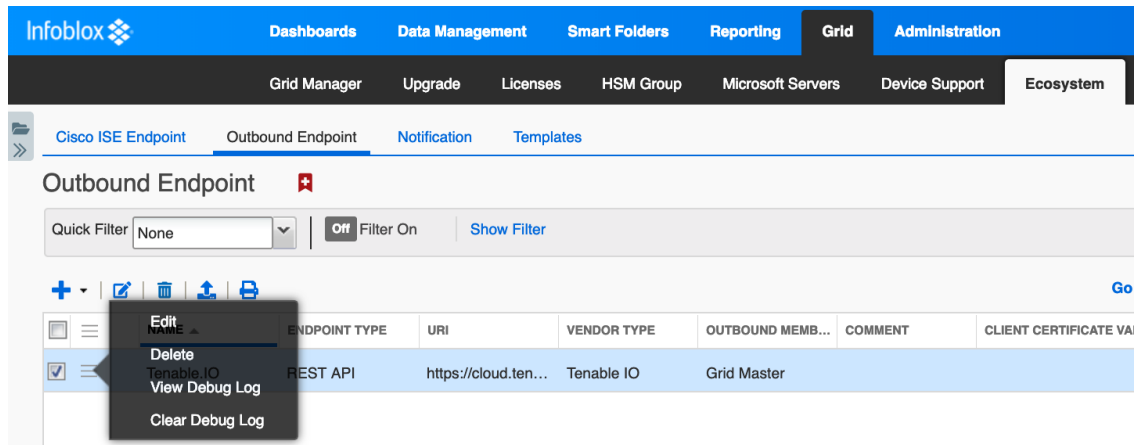


6. Add rules for other events as well.



## Check the Configuration

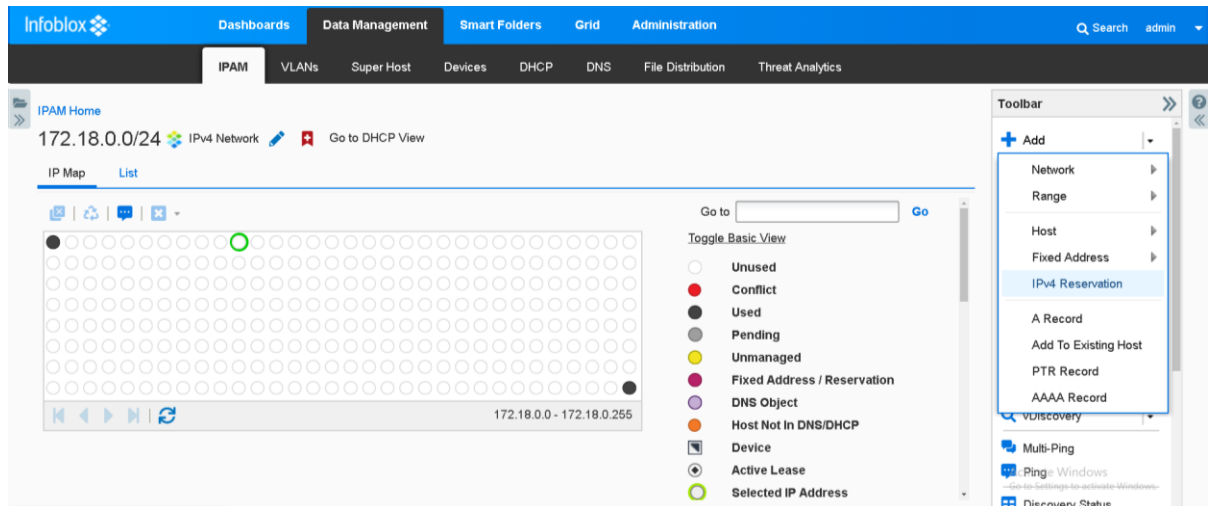
(Optional) On the Infoblox grid, navigate to **Grid** → **Ecosystem** → **Outbound Endpoint**, select Tenable.io endpoint, click on the hamburger icon and select **Clear Debug Log**



## Address Object Management Test

The templates support IPv4/IPv6 Hosts, IPv4/IPv6 Fixed IP/Reservations, IPv4/IPv6 Networks, IPv4/IPv6 Ranges, Discovery, and DHCP lease events. This use case demonstrates how to manage IP addresses on Tenable.io.

1. To create an IPv4 reservation, navigate to **Data Management** → **IPAM**. Select an IPv4 network here (i.e 172.18.0.0/24).
2. Click the drop down next to the **+ Add** button under the toolbar and choose **IPv4 Reservation**.



3. Click **Next**, then insert the IP **172.18.0.10** into the **IP Address** field.

Add IPv4 Reservation Wizard > Step 2 of 8

\*Network 172.18.0.0/24 (255.255.255.0) [Select Network](#) [Clear](#)

\*IP Address  [Next Available IP](#)

Name

Comment

Disabled

[Cancel](#) [Previous](#) [Next](#) [Schedule for Later](#) [Save & Close](#)

- Click on **Next** until you reach the Extensible Attributes window. If the Extensible Attributes have not already been inherited from the network, set them.

Add Host Wizard > Step 5 of 6

Extensible Attributes

<input type="checkbox"/>	ATTRIBUTE NAME	VALUE	INHERITANCE STA...	REQUIRED
<input type="checkbox"/>	TNBL_IO_Add_by_Hostname	true Network View (default)	Inherited	No
<input type="checkbox"/>	TNBL_IO_Asset_Sync	true Network View (default)	Inherited	No
<input type="checkbox"/>	TNBL_IO_Scan	true Network View (default)	Inherited	No
<input type="checkbox"/>	TNBL_IO_Scan_On_Add	true Network View (default)	Inherited	No
<input type="checkbox"/>	TNBL_IO_Scan_Template	Infoblox_Scan Network View (default)	Inherited	No
<input type="checkbox"/>	TNBL_IO_Sync	true	Inherited	No

[Cancel](#) [Previous](#) [Next](#) [Schedule for Later](#) [Save & Close](#)

- Click **Save & Close**.
- Select the IP and refresh. The **TNBL\_IO\_Sync\_Time** and **TNBL\_IO\_Last\_Scan** EA is now updated.

Related Objects [Audit History](#)

---

[+](#) [-](#) [↔](#) [↕](#) [🖨](#)

<input type="checkbox"/>	NAME	TYPE	TNBL_IO_SYNC_TIME ▲	TNBL_IO_LAST_SCAN
<input type="checkbox"/>	ipv4res_test	IPv4 Reservation	2019-08-09T19:58:05Z	2019-08-09T19:58:05Z

- In Tenable.io, navigate to **Scans** → **Target Groups** then select the target group you sent the asset to. The **172.18.0.10** address reservation has been added to the **Targets** list. Refresh the page if necessary.

tenable.io Vulnerability Management | Dashboards **Scans** Reports Settings

Search Target Groups

Target Groups

Import New Group

FOLDERS

- My Scans 1
- All Scans
- Trash 2

RESOURCES

- Target Groups
- Exclusions
- Scanners
- Agents

System User

System target groups allow you to clearly separate your assets for scans and easily apply permissions. By default, all targets can be scanned by all users. From this page you can view, create, edit, or delete system target groups.

Asset isolation per user or group  
Only users assigned to target groups can scan those assets based on their permissions. OFF

System Target Group view permissions have moved to Access Groups. Please view and manage them there. Open Access Groups

Name	Permissions	Last Modified
Default Target Group	Scan Use	February 28
Infoblox_Assets	Scan Use	10:38 AM

Edit Target Group / Infoblox\_Assets

Back to Target Groups

General

Name: Infoblox\_Assets

Targets: null, 172.18.0.10

Upload Targets Add File

8. Navigate to **Scans** → **My Scans**. The address has been scanned and its timestamp is visible.

tenable.io Vulnerability Management | Dashboards **Scans** Reports Settings

Search Scans

My Scans

Import New Folder New Scan

FOLDERS

- My Scans 1
- All Scans
- Trash 39

RESOURCES

- Target Groups
- Exclusions
- Scanners
- Agents

Name	Schedule	Last Modified
Infoblox Scan for 172.18.0.10 on 2019-07-30T17:24...	On Demand	July 30
Infoblox_Scan	On Demand	N/A

9. Navigate to **Dashboards** → **Assets**. The object has been added as an Asset.

tenable.io Vulnerability Management | Dashboards **Assets** Reports Settings New Interface

Search Assets

Assets

Last 30 Days

WORKBENCH


- Vulnerabilities
- Assets
- Web Applications
- Health & Status

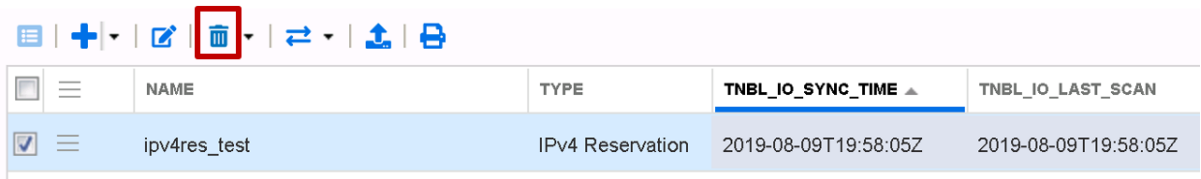
ANALYTICS

- My Dashboards

ALL ASSETS: 1

Name	Address	OS	Last Seen	Source
ipv4res_test	172.18.0.10	NIOS	11:14 AM	

10. In NIOS, navigate to **Data Management** → **IPAM** → **172.18.0.0/24** and select the **IPv4 Reservation** object just created. Scroll down and click the garbage can  icon.



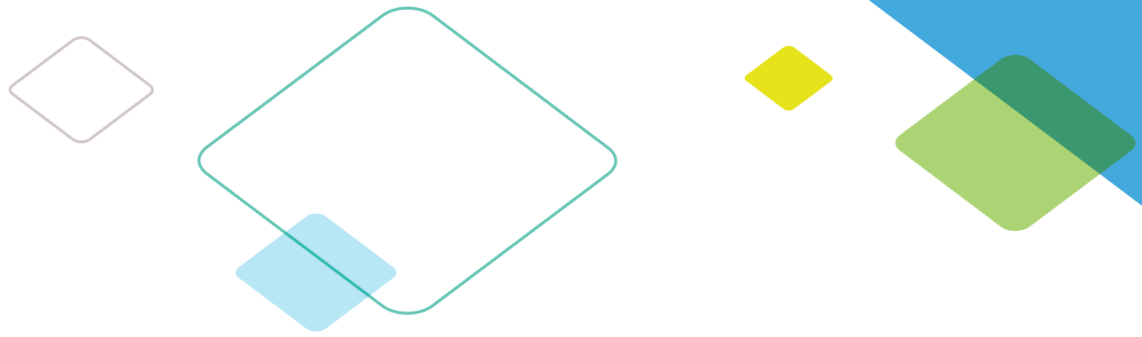
The screenshot shows a toolbar with several icons: a list icon, a plus sign, an edit icon, a trash icon (highlighted with a red box), a refresh icon, an upload icon, and a print icon. Below the toolbar is a table with the following data:

	NAME	TYPE	TNBL_IO_SYNC_TIME ▲	TNBL_IO_LAST_SCAN
<input checked="" type="checkbox"/>	ipv4res_test	IPv4 Reservation	2019-08-09T19:58:05Z	2019-08-09T19:58:05Z

11. In Tenable.io, navigate to **Dashboards** → **Assets**. The asset has been deleted.

## Summary

Infoblox and Tenable.io together help empower actionable insight into your entire infrastructure's security risks, allowing for you to quickly and accurately identify, investigate, and prioritize vulnerabilities and misconfigurations in your modern IT environment.



Infoblox is leading the way to next-level DDI with its Secure Cloud-Managed Network Services. Infoblox brings next-level security, reliability and automation to on-premises, cloud and hybrid networks, setting customers on a path to a single pane of glass for network management. Infoblox is a recognized leader with 50 percent market share comprised of 8,000 customers, including 350 of the Fortune 500.

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