

iStatus DDL™ Setup Guide

About iStatus Dynamic Data Leak Detection

iStatus DDL™ is used to test targets that should not be reachable to indicate potential misconfiguration or security risks to the network. When used in combination with iStatus NPM (Network Performance Monitoring), iStatus probes can run tests to verify that network security is air-tight.

For example, if you want to drop all outbound HTTP requests, you can set up one or more DDL targets using HTTP. In this situation, DDL then makes an HTTP-Get request which should always fail if the ACLs or firewall rules are properly blocking HTTP. In the event that the request is fulfilled, DDL will generate a security event and send an alert email, indicating that a DDL (data leak event) has occurred. DDL can run these tests against LAN targets, VPN targets, Internet targets, or any combination thereof.

This brief guide will show you how to set up DDL targeting. Feel free to use the bookmarks to jump to your deseired section, such as DDL Templating.

***NOTE: DDL is an integrated component to the NPM iStatus feature – the two features share license allocations for network targets. Thus, the following guide is very similar/mirrors the NPM setup guide.**

To purchase additional network target licenses, please get in touch with an Akative Sales Representative at Sales@Akative.com.

Assigning Licensing

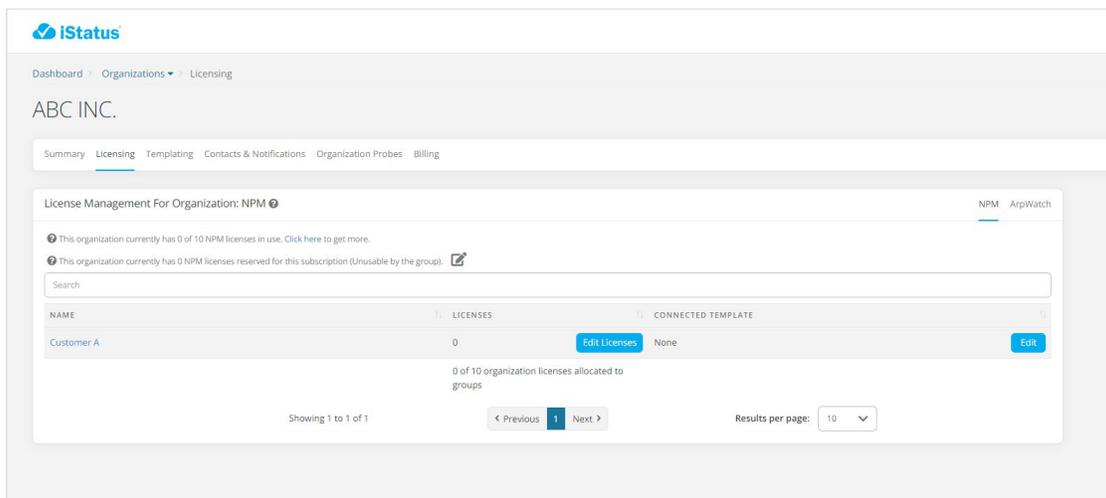
NOTE: A Group must have available licenses assigned to it before you can create targets or a template.

1. Select 'Organization' at the left-hand navigation menu in the iStatus Dashboard.

From the drop-down menu, select 'Licensing.'

Make sure that NPM (in the right top corner of the License Management box) is underlined. From here you can assign licensing from your pool to each Group in iStatus, as well as connect an existing NPM/DDLD template (NPM/DDLD templating is shared as the features are co-integrated). You can view how many licenses you have purchased and applied.

In the example, ABC Inc. has 1 Group Customer A, and 10 DDL licenses. No licenses have been applied.



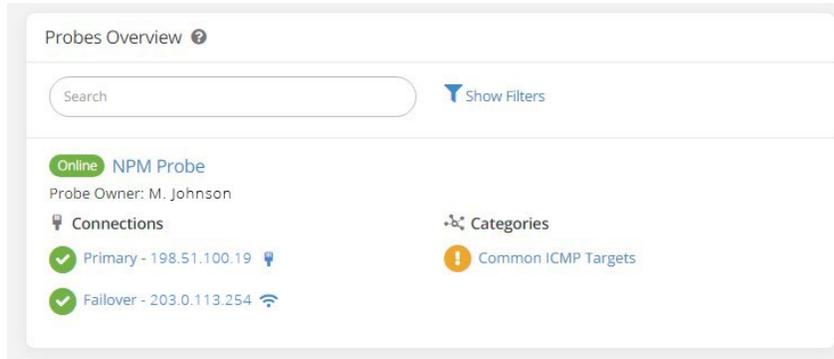
The screenshot displays the iStatus License Management interface for Organization: NPM. The interface includes a navigation menu with options: Summary, Licensing, Templating, Contacts & Notifications, Organization Probes, and Billing. The main content area shows the License Management section for Organization: NPM. It includes a search bar and a table with the following data:

NAME	LICENSES	CONNECTED TEMPLATE
Customer A	0	None

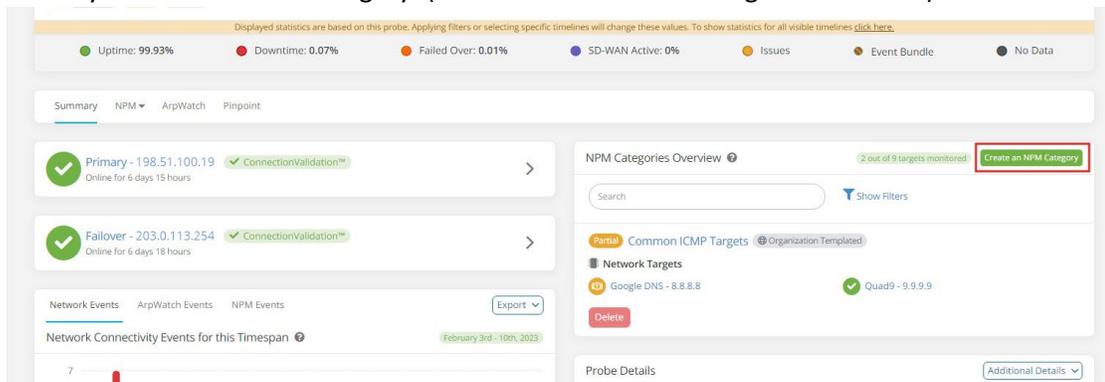
Below the table, it indicates "0 of 10 organization licenses allocated to groups". The interface also shows "Showing 1 to 1 of 1" and "Results per page: 10".

Add DDLD Targets

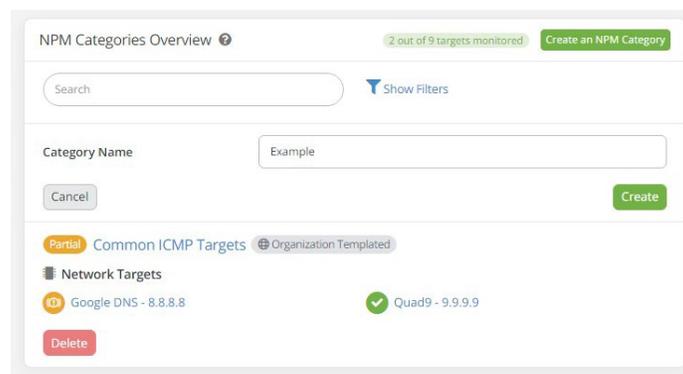
- Once you have applied your NPM/DDLD licensing, you may add DDLD targets to your Timeline View page. From your Timeline View, select the probe that you wish to monitor DDLD from by clicking into that probe (You may need to scroll down to the Probe Overview box to select your location's probe).



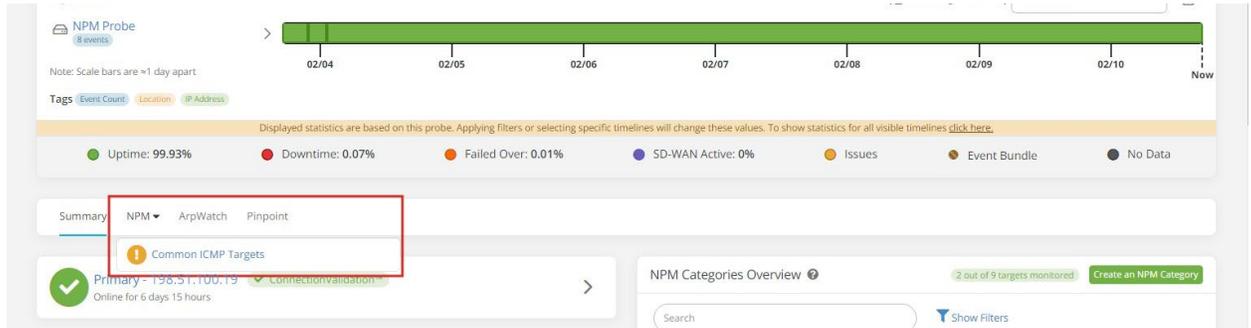
- Scroll down on your probe page and in the NPM Categories Overview, click the green button that says Create an NPM Category. (Reminder: DDLD is an integration of NPM)



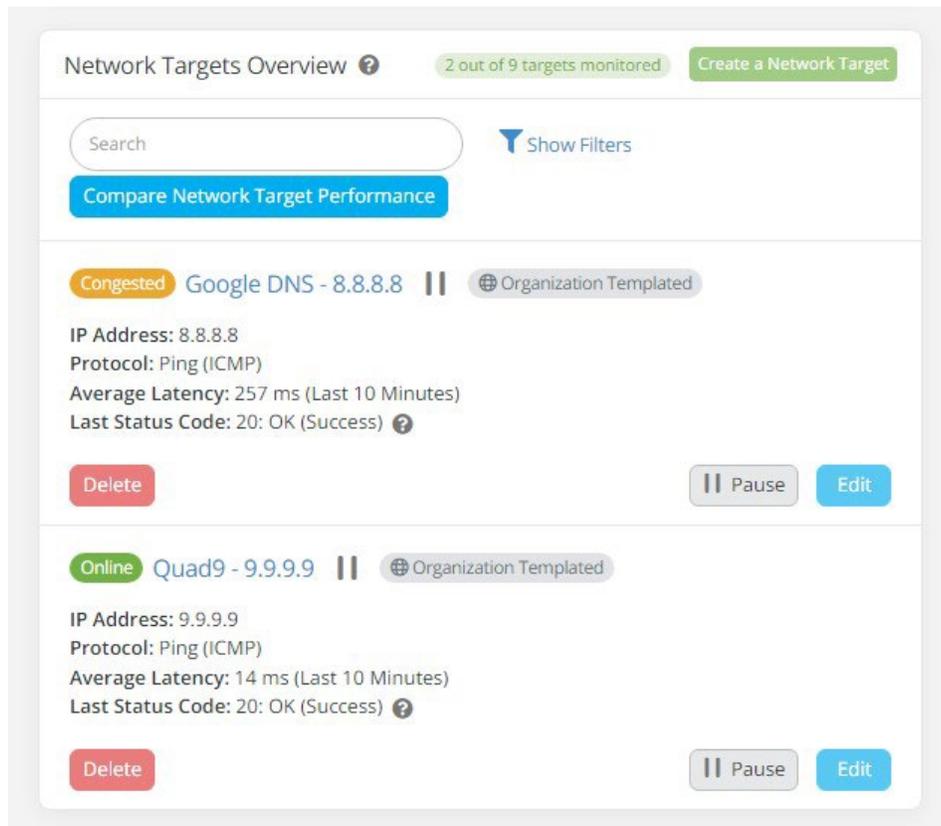
Name your category accordingly (i.e. DDLD for what type of network targets will be in that group (LAN, WAN, Cloud Applications., etc.)).



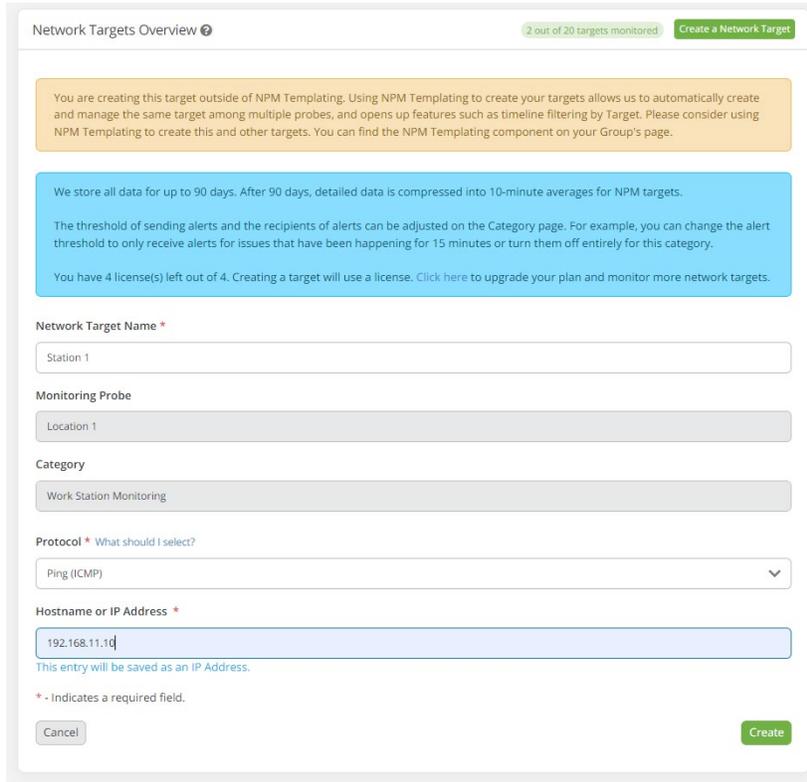
- Now that you've successfully made an NPM Category, navigate to that category's page by using the NPM tab and clicking the DDL targets' Category.



- From this page, locate the Network Targets Overview box (you may need to scroll down). In this box, click the green 'Create a Network Target' button and add some LAN, WAN, Cloud Applications, or Protocols that you'd like to monitor for data leaks.



- Fill out the fields with the target information and click the Create button. Note: make sure to select 'Dynamic Data Leak Detection' for the Target Type.



Network Targets Overview 2 out of 20 targets monitored [Create a Network Target](#)

You are creating this target outside of NPM Templating. Using NPM Templating to create your targets allows us to automatically create and manage the same target among multiple probes, and opens up features such as timeline filtering by Target. Please consider using NPM Templating to create this and other targets. You can find the NPM Templating component on your Group's page.

We store all data for up to 90 days. After 90 days, detailed data is compressed into 10-minute averages for NPM targets.

The threshold of sending alerts and the recipients of alerts can be adjusted on the Category page. For example, you can change the alert threshold to only receive alerts for issues that have been happening for 15 minutes or turn them off entirely for this category.

You have 4 license(s) left out of 4. Creating a target will use a license. [Click here to upgrade your plan and monitor more network targets.](#)

Network Target Name *
Station 1

Monitoring Probe
Location 1

Category
Work Station Monitoring

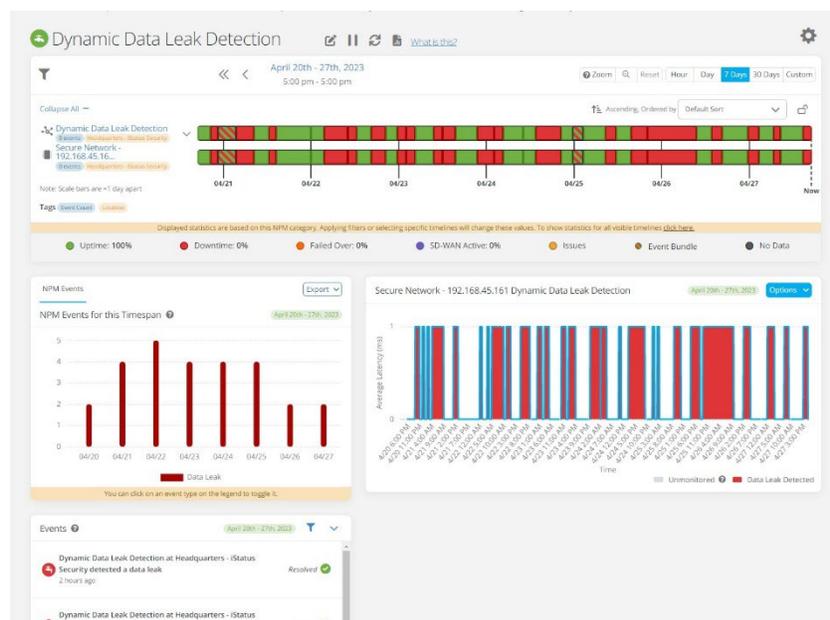
Protocol * What should I select?
Ping (ICMP)

Hostname or IP Address *
192.168.11.10
This entry will be saved as an IP Address.

* - Indicates a required field.

[Cancel](#) [Create](#)

- Once targets are created, they will appear on the timeline under their NPM/DDLD Category. DDLD graphs for each target will also be created and will appear below the timeline. Note: it takes a few minutes before data appears on the timeline and DDLD graphs. Once data starts appearing you'll be able to observe data leaks that can indicate things like misconfigurations and network security vulnerabilities/risks.



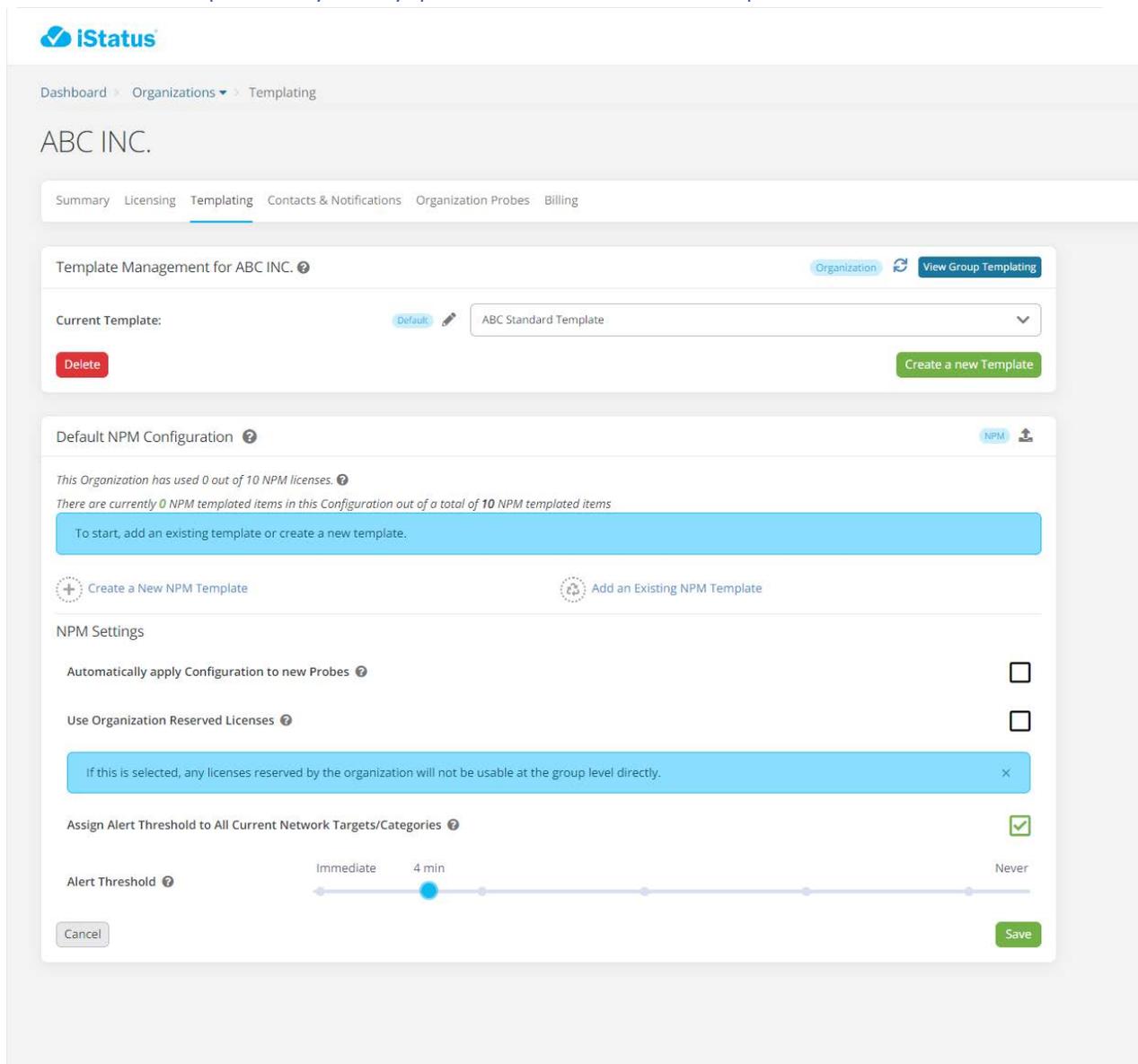
Creating a Template

2. In your 'Organization,' click on 'Templating' and then 'Create a new Template.' This will create a default template to edit for any licenses you may have.

There are additional options to check before finishing your 'Template.' Click the  next to each to further explain these options.

Once created, click on create, select edit down below to change settings, and set up your DDLT Targeting. There are several settings here to set up deployment of the DDLT Template you have created. The  explains each setting.

In the example, ABC Inc. has the settings applied so this 'Template' is not automatically assigned to a new Probe and allows the Group to directly use any spare licenses not used in this Template.



iStatus

Dashboard > Organizations > Templating

ABC INC.

Summary Licensing **Templating** Contacts & Notifications Organization Probes Billing

Template Management for ABC INC. Organization View Group Templating

Current Template: Default ABC Standard Template Delete Create a new Template

Default NPM Configuration NPM

This Organization has used 0 out of 10 NPM licenses. ?
There are currently 0 NPM templated items in this Configuration out of a total of 10 NPM templated items

To start, add an existing template or create a new template.

+ Create a New NPM Template + Add an Existing NPM Template

NPM Settings

Automatically apply Configuration to new Probes ?

Use Organization Reserved Licenses ?

If this is selected, any licenses reserved by the organization will not be usable at the group level directly. ×

Assign Alert Threshold to All Current Network Targets/Categories ?

Alert Threshold ? Immediate 4 min Never

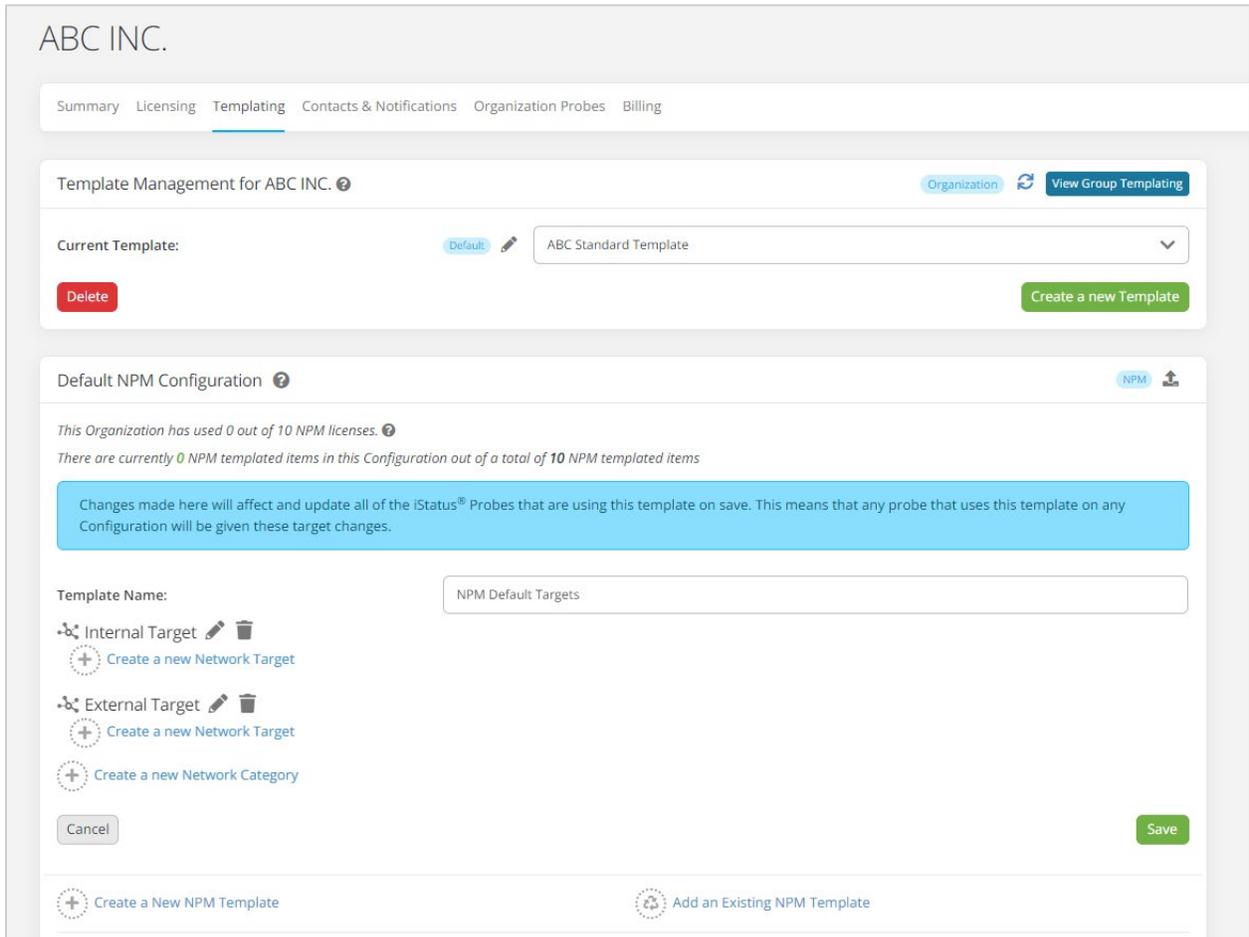
Cancel Save

Setting up DDLD Targets

3. To set up your targets, Click 'Create a new DDLD Template'.

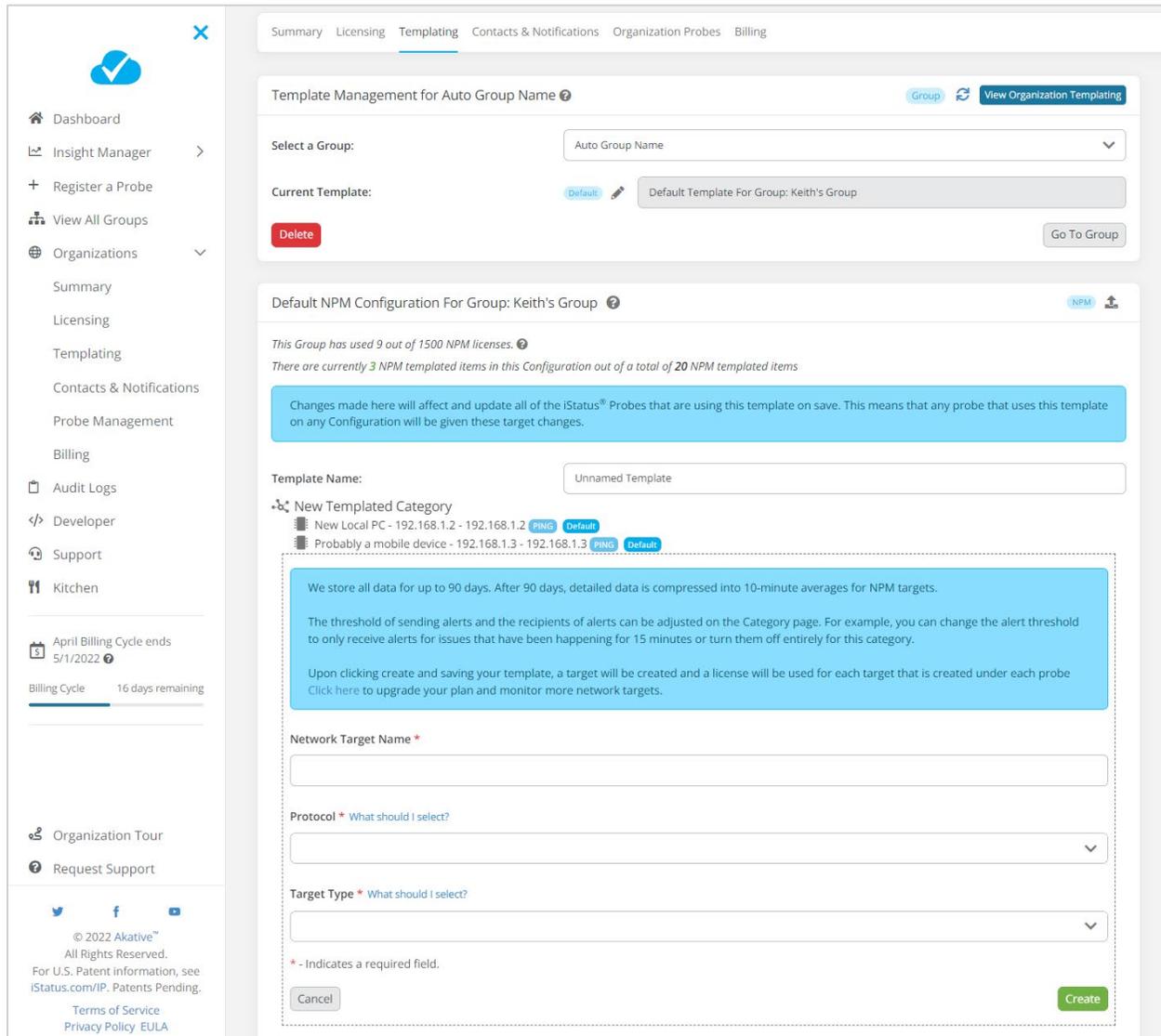
Then select 'Create a new Category.'

In the example, ABC Inc. has created two Categories, one Internal Target, and one External Target



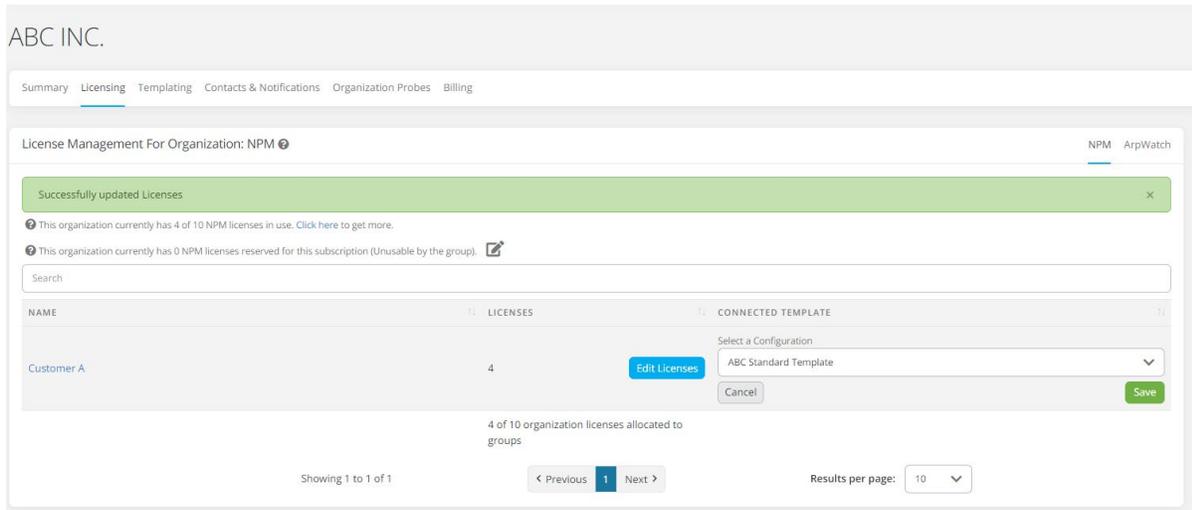
Once the 'Category' is created, you can define the DDLD target by selecting 'Create a new Network Target;' you can define the target by Ping(ICMP) or HTTP(HEAD).

In the example, ABC Inc. Has set a target using Ping(ICMP) for a local Access Point




Once you have created your targets and saved your 'Template.' Go back to the Licensing tab, and you can manually connect the template here if it wasn't automatically connected.

In the example, ABC Inc. has assigned 4 licenses to be used by Customer A. And has connected ABC Standard Template.



ABC INC.

Summary **Licensing** Templating Contacts & Notifications Organization Probes Billing

License Management For Organization: NPM NPM ArpWatch

Successfully updated Licenses x

ⓘ This organization currently has 4 of 10 NPM licenses in use. [Click here to get more.](#)
 ⓘ This organization currently has 0 NPM licenses reserved for this subscription (Unusable by the group). [✎](#)

Search

NAME	LICENSES	CONNECTED TEMPLATE
Customer A	4 Edit Licenses	Select a Configuration ABC Standard Template Cancel Save

4 of 10 organization licenses allocated to groups

Showing 1 to 1 of 1 < Previous 1 Next > Results per page: 10

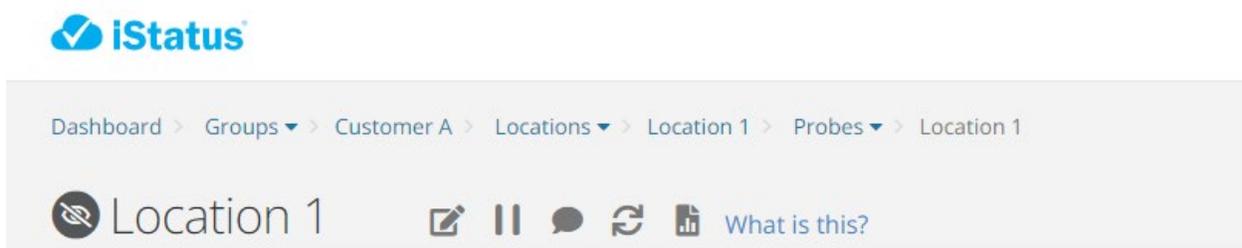
If allowed, a Group can create their own Template by following similar steps On the Group Page. A Group can only have Template connected. Those assigned at the Organization level cannot be edited or changed by the Group.

Defining a Probe DDL Target

- If you have a Template that allows for Groups to define their own targets or no template assigned to a Group and have an extra DDL targeting license for the Group, then a target can be defined on the Probe.

Click on the 'Dashboard' and either search for or select.

In The example, ABC Inc. Has a probe at location 1 for Customer A.



IStatus

Dashboard > Groups > Customer A > Locations > Location 1 > Probes > Location 1

Location 1 What is this?

Once at the probe, you can 'Create a new Category' for DDL targets under 'Create an NPM Category.' (Reminder again, NPM/DDLD functionality is shared as the features are co-integrated).

In the example ABC Incs, Customer A is defining a new category of Work Stations; because we applied the Template at the Organization level, two targets have already been defined.

NPM Categories Overview ? 2 out of 20 targets monitored Create an NPM Category

Search

Category Name

Cancel Create

Unmonitored External Target

Network Targets

Google - https://www.google.com/

Delete NPM Diagnostics

Unmonitored Internal Target

Network Targets

Access Point 1 - 192.168.10.101

Delete NPM Diagnostics

5. Once the 'Category' is created, select the Category to set up the target.
6. Then create a 'Network Target' of your choosing.

In the example, Customer A set up Targeting for Station 1.

Network Targets Overview ?

7 out of 10 targets monitored Create a Network Target

You are creating this target outside of NPM Templating. Using NPM Templating to create your targets allows us to automatically create and manage the same target among multiple probes, and opens up features such as timeline filtering by Target. Please consider using NPM Templating to create this and other targets. You can find the NPM Templating component on your Group's page.

We store all data for up to 90 days. After 90 days, detailed data is compressed into 10-minute averages for NPM targets.

The threshold of sending alerts and the recipients of alerts can be adjusted on the Category page. For example, you can change the alert threshold to only receive alerts for issues that have been happening for 15 minutes or turn them off entirely for this category.

You have 913 license(s) left out of 1000. Creating a target will use a license. [Click here](#) to upgrade your plan and monitor more network targets.

Network Target Name *

Monitoring Probe

Category

Protocol * What should I select?

Hostname or IP Address *

This entry will be saved as an IP Address.

Target Type * What should I select?

* - Indicates a required field.

Cancel Create

DDLD Targets at the Probe level can be set up by anyone who has Manager access to the Group that has that probe.