



# Set Up a Notifier and Alert for the Cluster

Lab 23



## What Are You Learning?

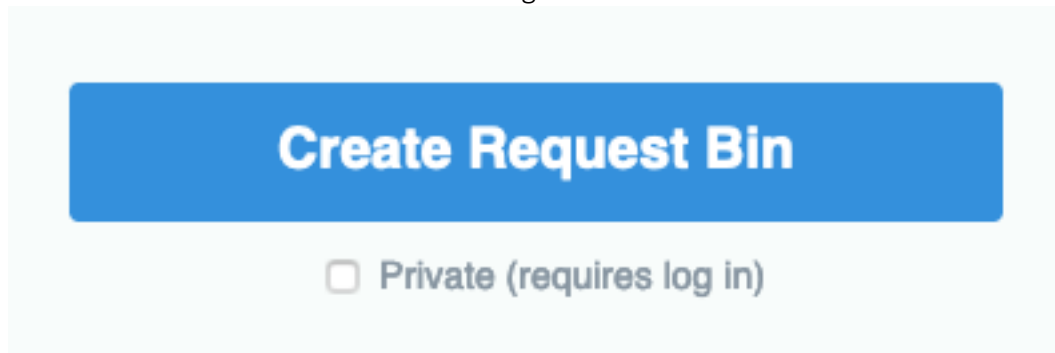
In this lab you will set up a notifier and an alert for your cluster.

## Why Is It Important?

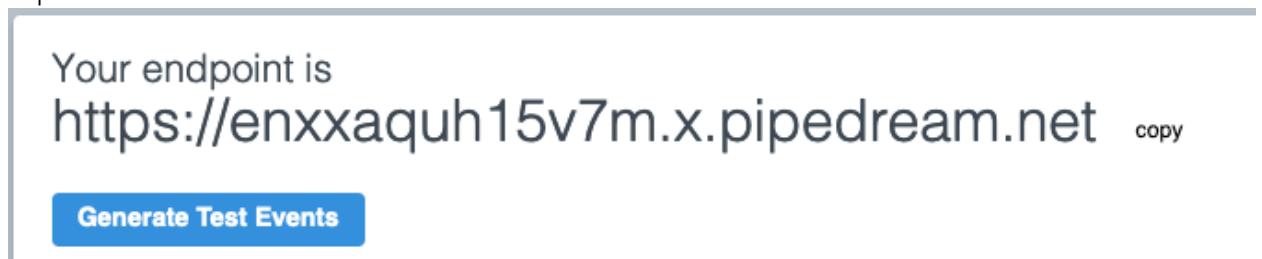
Notifiers and alerts enable monitoring and notifications for cluster- and workload-level events. They are an important part of ongoing cluster operations.

## Set Up a Notifier

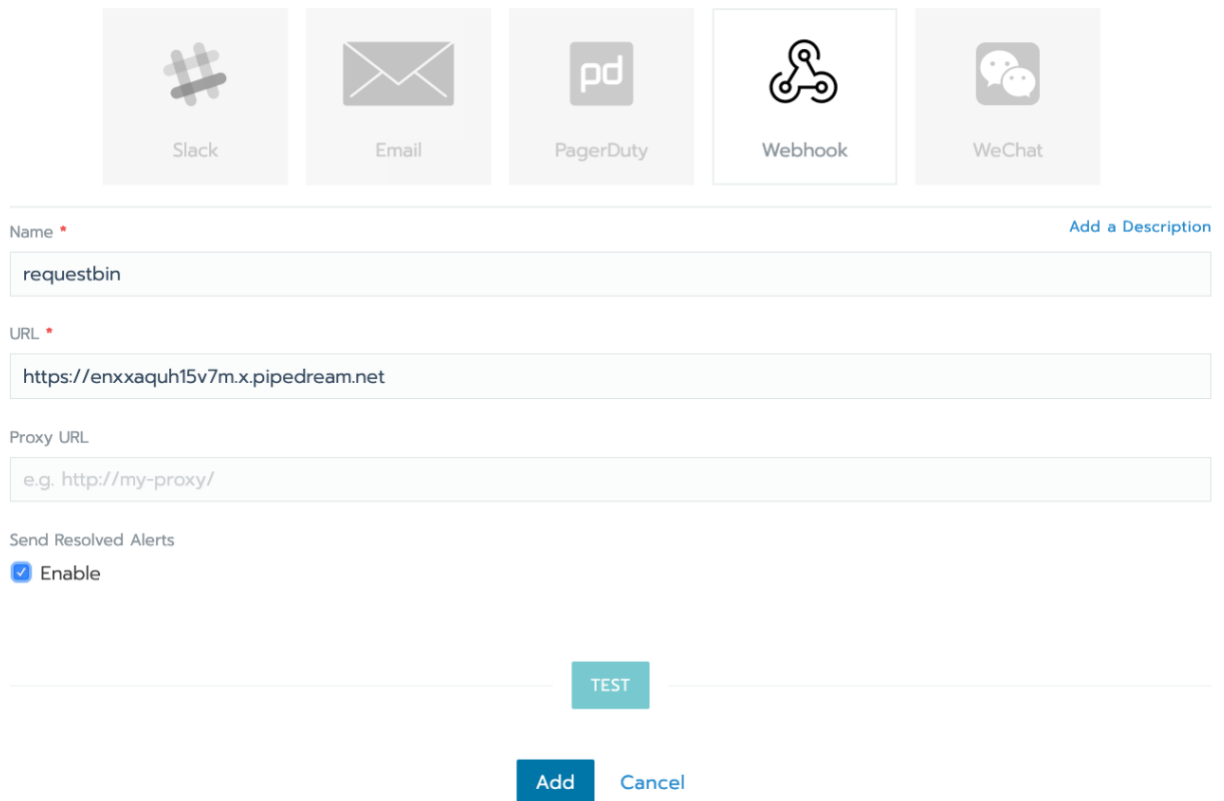
1. If you have access to Slack, Mattermost, or any of the other Notifier options, you can use them instead of the Webhook example below.
2. Visit [Request Bin](#) and create a new request bin. If you don't wish to create an account, uncheck the "Private" box before clicking the button.



3. The page that opens will have an endpoint listed. Click the "copy" link to copy this to your clipboard.



4. From the Cluster Overview page in Rancher, select "Tools >> Notifiers." Click "Add Notifier" and choose "Webhook."
5. Enter a name and your endpoint URL in the provided fields. If you need Rancher to route the request through a proxy, add that information as well. If you wish to receive resolution events, check the box to enable this.



Slack Email PagerDuty Webhook WeChat

Name \* [Add a Description](#)

requestbin

URL \*

https://enxxaquh15v7m.x.pipedream.net

Proxy URL

e.g. http://my-proxy/

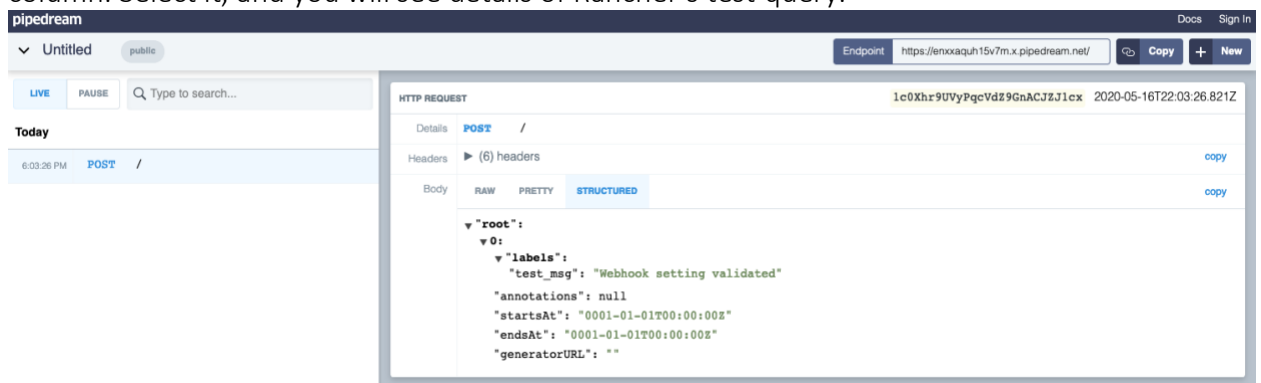
Send Resolved Alerts

☒ Enable

TEST

Add Cancel

- Click the Test button. Rancher will perform a test and will respond with “Settings Validated.”
- Return to your Request Bin page, and you will see a new POST query in the left-hand column. Select it, and you will see details of Rancher’s test query.



- Click “Add” to add your webhook to the notifier configuration.

## Set Up an Alert

- From the Cluster view, select “Tools >> Alerts” to open the Alerts configuration page.
- Under the “A set of alerts when event happened” alert group, click “Add Alert Rule”.
- Configure it to send an info alert when a normal deployment happens.

Name

When A ☐ System Service

☒ Normal

☐ Warning

☐ Node

☐ Node Selector

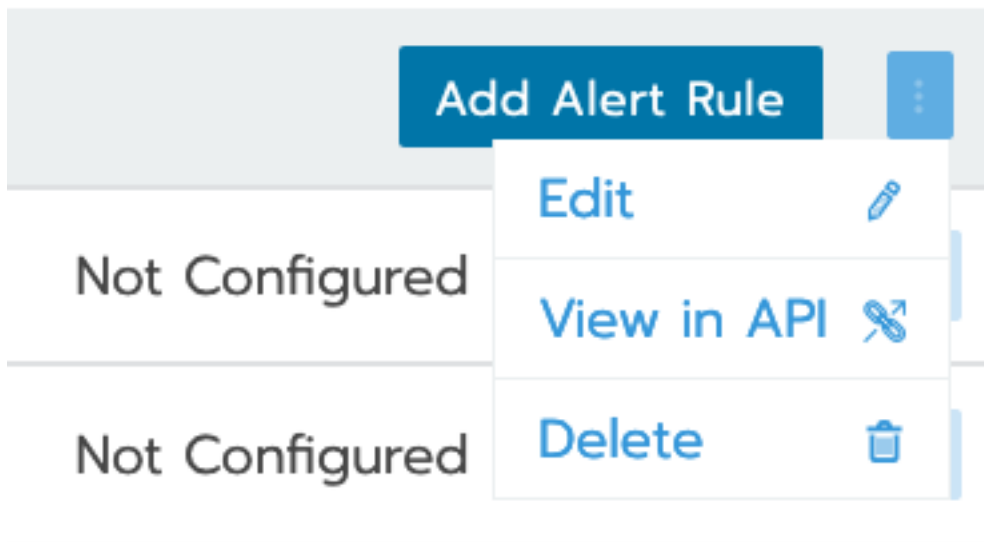
☐ CIS Scan

☐ Expression

Happens

Send a ☐ Critical ☐ Warning ☒ Info

- Edit the Alert Group configuration by choosing **Edit** from the menu next to **Add Alert Rule**.



- Scroll to the bottom of the page that opens and configure your Request Bin notifier as the notifier for this alert group. Click **Save**.

Alert To

Not Configured

The value set in the Notifier is used by default. You can override this with another value.

## Testing That It Works

1. Create a new deployment from the Workloads screen.
2. The alert will fire and show a new deployment event in Request Bin.

HTTP REQUEST		1c0bd67NEXQmUyJYnxGL5pXhMfQ	2020-05-16T22:35:42.403Z
Details	POST /		
Headers	▶ (5) headers		<a href="#">copy</a>
Body	RAW PRETTY <b>STRUCTURED</b>	<a href="#">copy</a>	
<pre> ▼ "root":   "receiver": "c-x4czm:event-alert"   "status": "firing"   ▼ "alerts":     ▼ 0:       "status": "firing"       ▼ "labels":         "alert_name": "Normal deployment"         "alert_type": "event"         "cluster_name": "ec2-cluster (ID: c-x4czm)"         "event_count": "1"         "event_firstseen": "2020-05-16 22:35:40 +0000 UTC"         "event_lastseen": "2020-05-16 22:35:40 +0000 UTC"         "event_message": "Scaled up replica set notifier-demo-5f644fc98 to 1"         "event_type": "Normal"         "group_id": "c-x4czm:event-alert"         "resource_kind": "Deployment"         "rule_id": "c-x4czm:event-alert_car-4sspd"         "severity": "info"         "target_name": "notifier-demo"         "target_namespace": "default"         "workload_name": "notifier-demo"       ▼ "annotations":         "startsAt": "2020-05-16T22:35:40.610598767Z"         "endsAt": "0001-01-01T00:00:00Z"         "generatorURL": ""           </pre>			

## References

- Alert Configuration - <https://rancher.com/docs/rancher/v2.x/en/cluster-admin/tools/alerts/>
- Notifier Configuration - <https://rancher.com/docs/rancher/v2.x/en/cluster-admin/tools/notifiers/>
- Request Bin - <https://requestbin.com/>