

How To Monitor Amazon S3 In Nagios XI 2024

Overview

Nagios XI provides basic monitoring of Amazon S3. This includes the measurement of the following items:

- Bucket Size (in Bytes)
- Number of Objects
- All/Get/Put Requests
- Delete Requests
- Head/Post/List Requests
- Bytes Downloaded/Uploaded
- 4XX Errors
- 5XX Errors
- First Byte Latency
- Total Request Latency

Obtaining the AWS Security Credentials

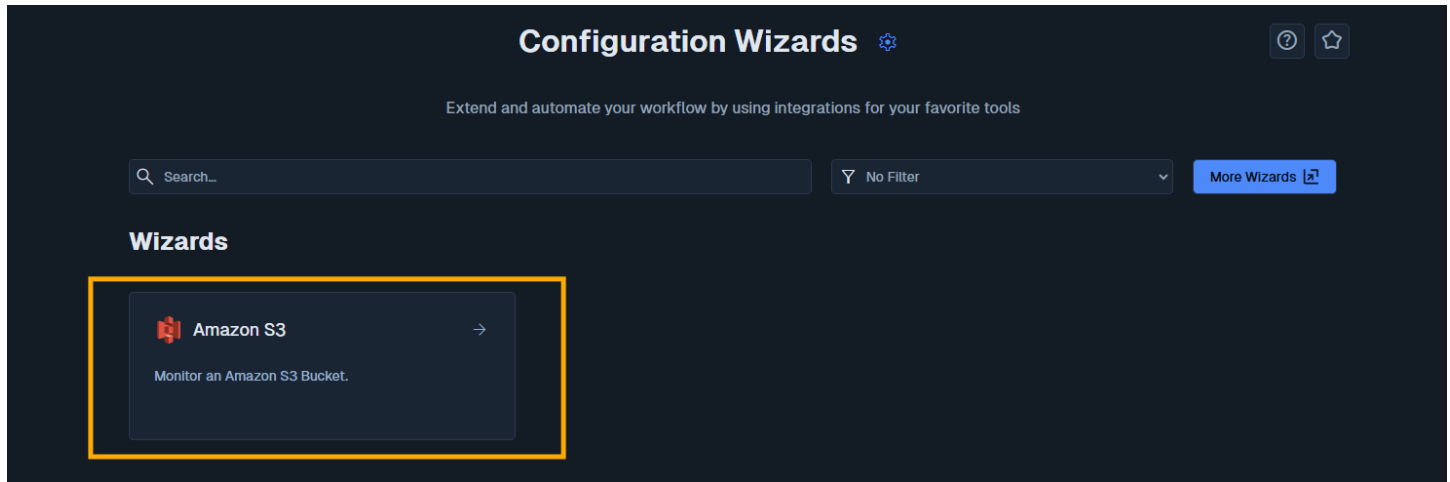
You must first obtain an Access Key ID and a Secret Passkey from Amazon.

1. Go to the AWS Management Console
2. Hover over your company name in the top right menu and click "My Security Credentials"
3. Scroll to the "Access Keys" section
4. Click on "Create New Access Key"
5. Take note of both the Access Key ID (YOUR_AMAZON_S3_KEY) and Secret Access Key (YOUR_AMAZON_S3_SECRET)

How To Monitor Amazon S3 In Nagios XI 2024

Using The Amazon S3 Wizard

1. To begin using the Amazon S3 wizard navigate via the top menu bar to **Configure > Configuration Wizards** and select the **Amazon S3** wizard.



Your Nagios XI server must have boto3 installed.

The screenshot shows the 'Amazon S3 Configuration Wizard' in Step 1. The title bar includes the Amazon S3 icon, the text 'Amazon S3 Configuration Wizard', 'Step 1', and a settings gear icon. The main content is divided into two sections: 'AWS Account Information' and 'S3 Bucket Information'. Under 'AWS Account Information', there are four fields: 'Access Key ID' (with a hint 'Enter Access Key ID'), 'Secret Access Key' (with a hint 'Enter Secret Access Key'), 'Static credentials file' (checked, with a hint 'Use a statically defined AWS credentials file.'), and 'File path' (with a hint and the value '/usr/local/nagiosxi/etc/aws/credentials'). Below that, there are two more fields: 'Static configuration file' (checked, with a hint 'Use a statically defined AWS configurations file.') and 'File path' (with a hint and the value '/usr/local/nagiosxi/etc/aws/config'). The 'S3 Bucket Information' section has a hint 'Select the buckets you would like to monitor, then enter the region name by the selected buckets' and a 'Get Available Buckets' button. At the bottom, there is a 'Next >' button.

How To Monitor Amazon S3 In Nagios XI 2024

2. Step 1

- Enter the **Access Key ID** and **Secret Access Key** you obtained above.
- Click on **Get Available Instances**.
- Select the buckets you want to monitor.
- Click **Next**.

3. Step 2

On this step you will configure all of the options for monitoring.

- Enter a valid **Host Name**.
- Select the metrics that you'd like to monitor.
- You can adjust the warning and critical thresholds for each metric to suit your needs.
- Click **Next** once you have selected all the required options.

4. Complete the wizard by choosing the required options in **Step 3 – Step 5**.

5. To finish up, click on **Finish** in the final step of the wizard. This will create the new host and services and begin monitoring.

Once the wizard applies the configuration, click the View status details for link to see the new service that was created.

More Information:

[Using Configuration Wizards](#)