

Creating a NLS 2024 Instance in Amazon EC2

Prerequisites

Before you begin, this document assumes the user has an [Amazon AWS](#) account, if not one can be obtained at <http://aws.amazon.com>. Note: The end user is responsible for all billing that results from using the Amazon Web Services.

Creating The Virtual Machine

1. To be sure you are getting the Official Nagios Log Server public Amazon Machine Images (AMIs) it is recommended that you login to the [Amazon Web Services \(AWS\) management console](#) at <https://console.aws.amazon.com/ec2/home?region=us-east-1#s=Images>.

Images are currently available in the following zones:

- US East (N. Virginia & Ohio), US West (N. California & Oregon)
- Canada (Central)
- EU (Frankfurt, Ireland, London)
- Asia Pacific (Mumbai, Seoul, Singapore, Sydney, Tokyo)
- S. America (Sao Paulo)

2. Making sure you are using the appropriate region and have the filter set to: Public Images.

3. In the search bar, enter: 766915741798, this is the Nagios Tech Team official ID. From here you can select the image that meets your needs and click Launch.

The screenshot shows the Amazon EC2 console interface. The left sidebar contains navigation options: EC2 Dashboard, Events, Tags, INSTANCES (Instances, Spot Requests, Reserved Instances), IMAGES (AMIs, Bundle Tasks), ELASTIC BLOCK STORE (Volumes, Snapshots), and NETWORK & SECURITY (Security Groups, Elastic IPs, Placement Groups, Load Balancers, Key Pairs, Network Interfaces). The main content area displays a table of AMIs with columns for Name, AMI Name, AMI ID, and Source. A search filter is applied to 'Public Images' and the search term '766915741798' is entered. The selected AMI is 'nagiosxi/centos/6/2.2-SNAPSHOT-1/x86_64' with AMI ID 'ami-8f8d53e6'. A dropdown menu for the region is open, showing 'US East (N. Virginia)' as the selected option. The AMI details panel shows the following information:

- AMI ID: ami-8f8d53e6
- Source: 766915741798/nagiosxi/centos/6/2.2-SNAPSHOT-1/x86_64
- Platform: Cent OS
- Image Type: machine
- Description: Nagios XI | Appliance version 2.2 | x86_64 architecture
- Root Device Type: ebs
- Architecture: x86_64
- Name: nagiosxi/centos/6/2.2-SNAPSHOT-1/x86_64
- Root Device Name: /dev/sda1
- Status: available
- Visibility: Public

4. Next, the Request Instance Wizard will begin. Within the wizard you will be able to select your instance type and customize the allocated resource settings and naming information. For Nagios Log Server, the minimum specifications we recommend are 2 cores and 4GB RAM.

Select an existing key pair or create a new key pair ✕

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Choose an existing key pair ▼

Select a key pair

nagiosxi ▼

I acknowledge that I have access to the selected private key file (nagiosxi.pem), and that without this file, I won't be able to log into my instance.

[Cancel](#) [Launch Instances](#)

5. The wizard will have you choose, or create a key pair. If you are creating a key pair for the first time, you will be asked to download the key before continuing. The private key will be required to SSH into your machine.



Root password login is disabled.

Services Edit Nagios Tech Team N. Virginia

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance 6. Configure Security Group

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: Create a **new** security group
 Select an **existing** security group

Security group name:

Description:

Type <small>i</small>	Protocol <small>i</small>	Port Range <small>i</small>	Source <small>i</small>
SSH	TCP	22	Anywhere 0.0.0.0/0 ✕
HTTP	TCP	80	Anywhere 0.0.0.0/0 ✕

Warning

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

6. Additionally you will be asked to select or configure a Security Group. The Security Group should allow public access on port 22 and port 80. This may be fine for some installations, however keep in mind that you will also require the use of additional ports that you will be sending your log data to. These by default are 2056, 2057, 3515, 5544.



When you first start your instance, the latest version of Nagios Log Server is installed and compiled at boot. This will take at least 15 minutes before the instance will become available. The amount of time will depend on the instance size you create.

Connecting To Nagios Log Server

<input type="checkbox"/>	Name	Instance	AMI ID	Root Device	Type	State	Status Checks	Alarm Status	Monitoring
<input checked="" type="checkbox"/>	Andys test instance	i-4885b724	ami-8f8d53e6	ebs	m1.small	● running	✓ 2/2 checks p:	none	basic
<input type="checkbox"/>	empty	i-7a8a9e1e	ami-e565ba8c	ebs	t1.micro	● running	✓ 2/2 checks p:	none	basic

1 EC2 Instance selected.

EC2 Instance: Andys test instance (i-4885b724) ●

ec2-54-224-172-144.compute-1.amazonaws.com

Description	Status Checks	Monitoring	Tags
AMI: nagiosxi/centos/6/2.2-SNAPSHOT-1/x86_64 (ami-8f8d53e6)			
Zone: us-east-1b			
Type: m1.small			
Scheduled Events: No scheduled events			
Alarm Status: none			
Security Groups: default, view rules			
State: running			
Owner: 766915741798			

1. Once the instance is running, you can complete the installation of Nagios Log Server through the web interface. To access Log Server, type in the following URL:

`http://<ipaddress>/nagioslogserver`

(where <ipaddress> is the IP address of the virtual machine)



You can find the Public DNS address by selecting the instance and viewing the details.

2. Once you access the login screen, you can log in as the Admin to begin using Log Server. The credentials are listed below.

Username: nagiosadmin

Password: random (this gets initialized during setup)

3. You may also need to occasionally make an SSH connection to your machine. This connection must use the private key you downloaded earlier. When connecting you must use the username centos, NOT root. This user has full sudo access. Here is an example of how to establish an SSH session using this key from a terminal session in Linux:

```
ssh -i .ssh/mykey.pem centos@<ipaddress>
```

If you are using an SSH client like PuTTY, you may need to use the PuTTYgen app that allows you to convert the key to be used with PuTTY.

Note About System Credentials

You are strongly advised to change these initial passwords immediately as they are not secure and are shipped as the default passwords as other Log Server virtual machines. If you forget these passwords, we can't help recover them, so keep track of the new credentials you choose.

Troubleshooting Tip

If you are having trouble with the configuration, make sure that your security group in Amazon EC2 includes information regarding Email. Outbound email may not work if the AMI doesn't have a valid DNS name, or your firewall rules don't allow outbound SMTP except through a proxy.