



Purpose

This document describes how to launch a new pre-installed Nagios Network Analyzer server in the Amazon EC2 cloud in order to quickly run a trial of Nagios Network Analyzer without using physical hardware, migrate existing physical installations to a cloud infrastructure, and/or scale an existing Network Analyzer environment.

Target Audience

This document is intended for use by Nagios Network Analyzer Administrators who would like to bring up new Nagios Network Analyzer instances in the Amazon Elastic Compute Cloud (EC2).

Prerequisites

Before you begin, this document assumes the user has an [Amazon AWS](https://aws.amazon.com) 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

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

Name	AMI Name	AMI ID	Source
	nagiosxi/centos/5/2.1-SNAPSHOT-1/i686	ami-ab9a49c2	766915741798/nagiosxi/ce
	nagiosxi/centos/5/2.1-SNAPSHOT-1/x86_64	ami-71b16218	766915741798/nagiosxi/ce
	nagiosxi/centos/6/2.2-SNAPSHOT-1/x86_64	ami-8f8d53e6	766915741798/nagiosxi/ce

AMI ID: ami-8f8d53e6
 Source: 766915741798/nagiosxi/centos/6/2.2-SNAPSHOT-1/x86_64
 Platform: Cent OS
 Image Type: machine
 Description: Nagios XI 2011R2 | Appliance version 2.2 | x86_64 architecture
 Root Device Type: ebs

Region: US East (N. Virginia)
 Status: available
 Architecture: x86_64
 Name: nagiosxi/centos/6/2.2-SNAPSHOT-1/x86_64
 Root Device Name: /dev/sda1

1295 Bandana Blvd N, St. Paul, MN 55108 sales@nagios.com US: 1-888-624-4671 INTL: 1-651-204-9102

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)

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

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**.

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 Network Analyzer, the minimum specifications we recommend are 1 core and 2GB RAM.

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.

Note: root password login is disabled.

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

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 network flow data to.

Note: When you first start your instance, the latest version of Nagios Network Analyzer 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 Network Analyzer

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

```
http://<ipaddress>/nagiosna
```

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

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

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	Protocol	Port Range	Source
SSH	TCP	22	Anywhere 0.0.0.0/0
HTTP	TCP	80	Anywhere 0.0.0.0/0

Add Rule

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.

[Cancel](#) [Previous](#) [Review and Launch](#)

<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-e5e5ba8c	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)	Alarm Status: none		
Zone: us-east-1b	Security Groups: default, view rules		
Type: m1.small	State: running		
Scheduled Events: No scheduled events	Owner: 766915741798		

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

Username: `nagiosadmin`

Password: `random` (this gets initialized during setup)

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.

```
ssh -i .ssh/mykey.pem centos@[AWS_public_DNS]
```

Notes About System Credentials And Security

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

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.

Finishing Up

This completes the documentation on how to Create A Nagios Network Analyzer Instance In The Amazon EC2 Cloud Environment.

If you have additional questions or other support related questions, please visit us at our Nagios Support Forums:

<https://support.nagios.com/forum>

The Nagios Support Knowledgebase is also a great support resource:

<https://support.nagios.com/kb>

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