

# Nagios monitoring tool

Date: Sep 2020  
Version 1.0

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## Introduction

In the case study project, we had a serious problem with Zabbix, and we had to search for different monitoring software. That's how we decided to implement Nagios. Also, we learn more ways of monitoring while solving the monitoring problem.

### Assignment: Monetarize with nagios

First, in the instance where we are going to deploy the service, we download the software.

```
[root@localhost tmp]# wget http://assets.nagios.com/downloads/nagiosxi/xi-latest.tar.gz
--2016-02-24 13:17:03-- http://assets.nagios.com/downloads/nagiosxi/xi-latest.tar.gz
Resolving assets.nagios.com (assets.nagios.com)... 72.14.181.71
Connecting to assets.nagios.com (assets.nagios.com)|72.14.181.71|:80... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: https://assets.nagios.com/downloads/nagiosxi/xi-latest.tar.gz [following]
--2016-02-24 13:17:06-- https://assets.nagios.com/downloads/nagiosxi/xi-latest.tar.gz
Connecting to assets.nagios.com (assets.nagios.com)|72.14.181.71|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 50836297 (48M) [application/x-gzip]
Saving to: 'xi-latest.tar.gz'

100%[=====]
2016-02-24 13:17:18 (4.40 MB/s) - 'xi-latest.tar.gz' saved [50836297/50836297]

[root@localhost tmp]# pwd
/tmp
[root@localhost tmp]# ls
ks-script-XWHtHm  xi-latest.tar.gz  yum.log
[root@localhost tmp]# _
```

Later, we will run the fullinstall script and after confirming we will wait for the whole installation.

```
[root@localhost nagiosxi]# ./fullinstall
=====
Nagios XI Full Installer
=====

This script will do a complete install of Nagios XI by executing all necessary sub-scripts.

IMPORTANT: This script should only be used on a 'clean' install of CentOS or RedHat. Do NOT use this on a system t
or has an existing install of Nagios Core. To create such a clean install you should have selected ONLY the 'Base'
Do you want to continue? [Y/n] Y_
```

When entering the web site we have to configure some general settings.



The image shows the Nagios XI Installer configuration screen. At the top, there is a dark header with the Nagios XI logo and a 'Login' link. Below the header, the title 'Nagios XI Installer' is displayed, followed by a welcome message: 'Welcome to the Nagios XI installation. Just answer a few simple questions and you'll be ready to go.' The main section is titled 'General Program Settings' and contains several input fields: 'Program URL' (http://192.168.3.253/nagiosxi/), 'Administrator Name' (Nagios Administrator), 'Administrator Email Address' (root@localhost), 'Administrator Username' (nagiosadmin), and 'Administrator Password' (jdhm77). Below this, the 'Timezone Settings' section shows a dropdown menu for 'Timezone' set to '(UTC+00:00) UTC'. At the bottom, there is a blue 'Install >' button.

**Nagios XI** Login

## Nagios XI Installer

Welcome to the Nagios XI installation. Just answer a few simple questions and you'll be ready to go.

### General Program Settings

Program URL:

Administrator Name:

Administrator Email Address:

Administrator Username:

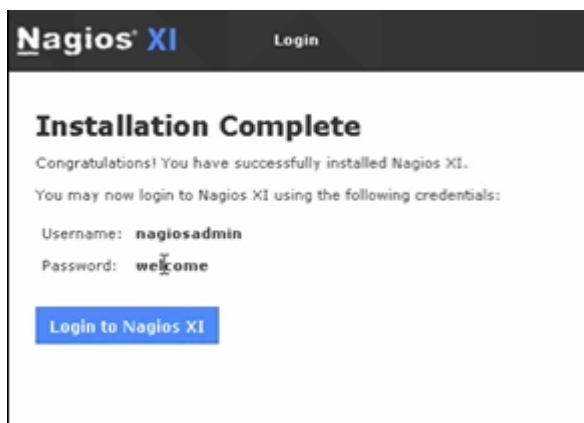
Administrator Password:

### Timezone Settings

Timezone:

[Install >](#)

and complete the installation



The image shows the Nagios XI Installation Complete screen. At the top, there is a dark header with the Nagios XI logo and a 'Login' link. Below the header, the title 'Installation Complete' is displayed, followed by a congratulatory message: 'Congratulations! You have successfully installed Nagios XI. You may now login to Nagios XI using the following credentials:'. The credentials are listed as 'Username: nagiosadmin' and 'Password: welcome'. At the bottom, there is a blue 'Login to Nagios XI' button.

**Nagios XI** Login

## Installation Complete

Congratulations! You have successfully installed Nagios XI.

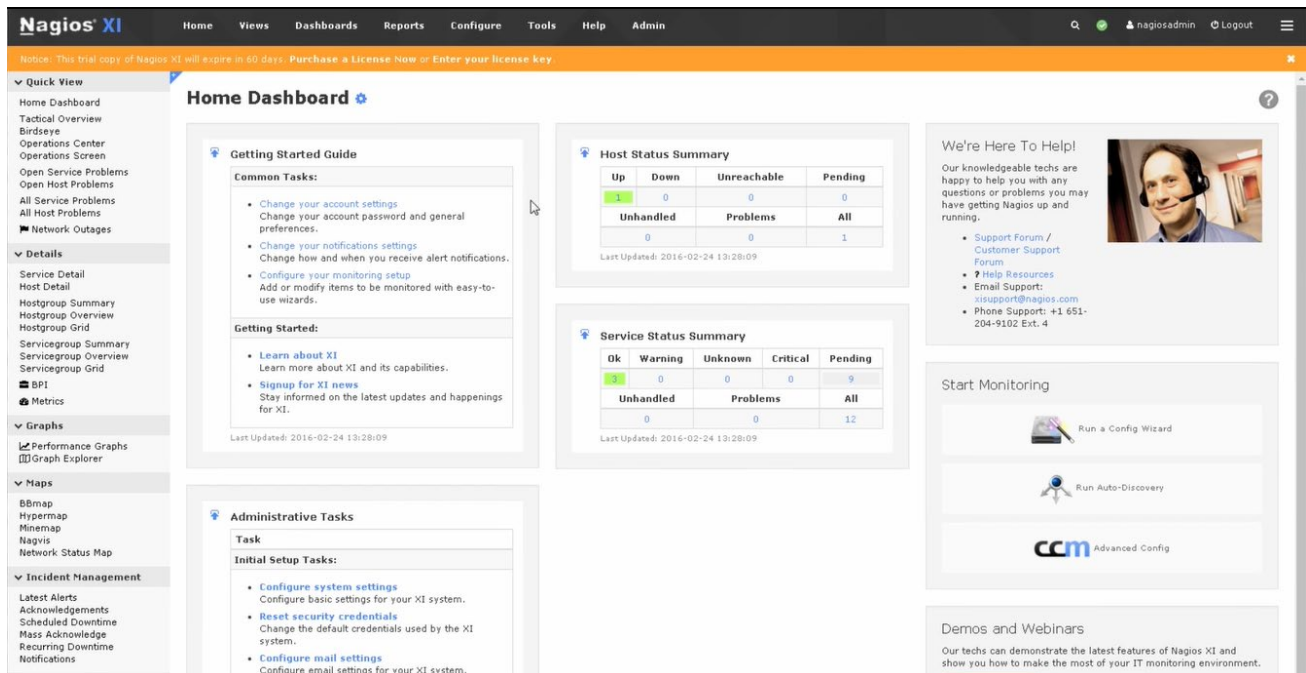
You may now login to Nagios XI using the following credentials:

Username: **nagiosadmin**

Password: **welcome**

[Login to Nagios XI](#)

once inside the console will be this



The screenshot shows the Nagios XI Home Dashboard. The top navigation bar includes links for Home, Views, Dashboards, Reports, Configure, Tools, Help, and Admin. A notice at the top states: "Notice: This trial copy of Nagios XI will expire in 60 days. Purchase a license now or Enter your license key." The left sidebar contains a "Quick View" section with links like Home Dashboard, Tactical Overview, Birdseye, Operations Center, and Operations Screen. Below this is a "Details" section with links for Service Detail, Host Detail, Hostgroup Summary, Hostgroup Overview, Hostgroup Grid, Servicegroup Summary, Servicegroup Overview, Servicegroup Grid, BPI, and Metrics. The "Graphs" section includes Performance Graphs and Graph Explorer. The "Maps" section includes BMap, Hypermap, Minemap, Nagvis, and Network Status Map. The "Incident Management" section includes Latest Alerts, Acknowledgements, Scheduled Downtime, Mass Acknowledge, Recurring Downtime, and Notifications. The main content area is titled "Home Dashboard" and features several widgets: "Getting Started Guide" with common tasks like changing account settings and notifications; "Host Status Summary" table; "Service Status Summary" table; "Administrative Tasks" section; "We're Here To Help!" section with support links; "Start Monitoring" section with links to Run a Config Wizard, Run Auto-Discovery, and Advanced Config; and "Demos and Webinars" section.

Up	Down	Unreachable	Pending
1	0	0	0
Unhandled		Problems	
0		1	

Last Updated: 2016-02-24 13:28:09

Ok	Warning	Unknown	Critical	Pending
3	0	0	0	9
Unhandled		Problems		All
0		0		12

Last Updated: 2016-02-24 13:28:09

In the deploy agent section we deploy the agents to the servers

## Deploy Agent

Deploy an agent to a system or a list of systems. Select monitoring type, credentials, and checks to run on the system. [View past auto deploy jobs.](#)

**IP Addresses (or Hostnames)**

List one host per line. A single list of comma separated values is also valid.

**Operating System** Linux

**Credentials**

**Auth Type** Password

**Username** root

If not using root user, the user should have access to become root using sudo.

**Password**

**Deployment Settings**

**Agent Software** NCPA

[Deploy](#)

Once the agents have been deployed and the hosts have been added to the server, we should see them in the status section.

Showing 1-4 of 4 total records

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of 1

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Go

Host	Status	Duration	Attempt	Last Check
API Server	Up	4d 7h 14m 40s	1/5	2023-01-15 00:31:57
Load Balancer	Up	4d 7h 29m 7s	1/5	2023-01-15 00:29:03
WebServer	Up	4d 7h 42m 19s	1/5	2023-01-15 00:33:38
localhost	Up	4d 10h 34m 57s	1/10	2023-01-15 00:31:01

Last Updated: 2023-01-15 00:33:45

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Go

Also, to check and prove that it works we go to the graphs section and as we can see after a while we have a monitoring displayed.

