Purpose

This document covers how to manage fused servers in Nagios Fusion.

Target Audience

This document is intended for use by Nagios Administrators who wish to manage multiple instances of Nagios XI, Nagios Core or Nagios Log Server from a single interface.

Summary

Nagios Fusion functions as a high-level dashboard for multiple instances of Nagios XI, Nagios Core and Nagios Log Server instances. A **fused** server refers to a Nagios XI, Nagios Core or Nagios Log Server instance that has been added to Nagios Fusion.

Nagios Core vs Nagios XI

Nagios Core is the basic version of the Nagios monitoring engine, it is free to use. Nagios XI builds on top of Nagios Core and includes built in functionality that is not standard in Nagios Core.

Note: Only Nagios Core versions newer than 4.0.7 are supported.

When fusing Nagios Core or Nagios XI servers there are different authentication types that are used.

- **Nagios XI**
  - Fusekey and/or Username and Password
    - **Fusekey**
      - This requires a key from your Nagios XI server
      - **Admin** > **System Config** > **System Settings** > **Integration**
      - Available in Nagios XI 5.4 onwards

- **Username and Password**
  - Recommended that you create a dedicated read only user account in Nagios XI that has access to see all objects (Nagios XI under **Admin** > **Users** > **Manage Users**).
- **Nagios Core**
  - Basic Authentication - recommended that you create a dedicated read only user account in Nagios Core that can see all objects. Please refer to your internal procedures for creating such an account.

Nagios Log Server

Nagios Log Server is an application that provides organizations a central location to send their machine generated logs that will be indexed and stored for later retrieval or querying and analysis in near real-time. Nagios Fusion provides integration via Dashlets that display aspects of your Nagios Log Server cluster.

Note: Only Nagios Log Server versions newer than 2.0.1 are supported.

Adding Fused Nagios XI Server

Navigate to the **Admin** > **Servers** > **Manage Fused Servers** page.

Click the **Fuse a Server** button and enter the following information for your Nagios instance that you are adding.

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General Settings

- **Server Name -** This is the name that this server will be known as in Nagios Fusion

- **Server Type -** Select the type of Nagios server this is (Nagios XI or Nagios Core)

- **URL -** The URL where the Nagios instance can be reached, examples:

  - `http://myserver/nagiosxi/`

  - `https://10.25.5.1/nagiosxi/`

- **Enable this server -** Check this box to enable this fused server

Fusion Settings

- **Fusekey -** Retrieve this from your Nagios XI server under **Admin** > **System Settings** > **Integration**

- **Username and Password -** These are the credentials used to connect to the Nagios XI server.

- **Test Fusion Settings -** This button will test if the information you have provided is valid.

The **Polling Settings** and **Additional Information** are explained in the <u>Common Settings</u> section of this document.

When you're finished, click the **Fuse Server** button to add this fused server.

After adding the fused server, you will notice it will appear under the **Servers** button on the navigation menu along the top of the Nagios Fusion interface.

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Adding Fused Nagios Core Server

Navigate to the **Admin** > **Servers** > **Manage Fused Servers** page. Click the **Fuse a Server** button.

Enter the following information for your Nagios instance that you are adding:

General Settings

- **Server Name -** This is the name that this server will be known as in Nagios Fusion

- **Server Type -** Select Nagios Core

- **URL -** The URL where the Nagios Core instance can be reached, examples:

    ○ `http://myserver/nagios/`

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- https://10.25.5.2/nagios/

- **CGI Path -** The URL where the Nagios Core CGI pages can be reached, example:

  - /cgi-bin/

- **Enable this server -** Check this box to enable this fused server

Fusion Settings

- **Authentication Method -** Basic Authentication

- **Username and Password -** These are the credentials used to connect to the Nagios Core server

- **Test Fusion Settings -** This button will test if the information you have provided is valid
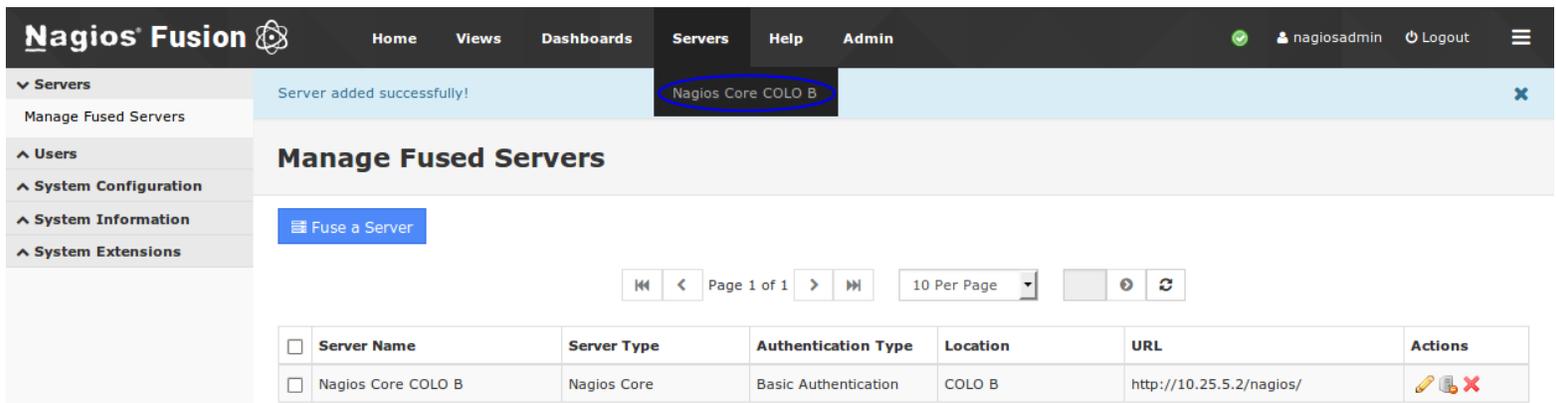
Fusion Settings

Username:	readonly ✅
	The Administrator account for this Nagios server.
Password:	••••••••••••

Test Fusion Settings

The **Polling Settings** and **Additional Information** are explained in the [Common Settings](#) section of this document.

When you're finished, click the **Fuse Server** button to add this fused server.

After adding the fused server, you will notice it will appear under the Servers button on the navigation menu along the top of the Nagios Fusion interface.

Nagios® Fusion ⚛   Home   Views   Dashboards   **Servers**   Help   Admin   ✅ ⚫ nagiosadmin ⏻ Logout ☰

∨ Servers	Server added successfully!	Nagios Core COLO B	✖
Manage Fused Servers			

∧ Users
∧ System Configuration
∧ System Information
∧ System Extensions

Manage Fused Servers

🔲 Fuse a Server

|◀ ◀ Page 1 of 1 ▶ ▶| 10 Per Page ▾   ⓞ ↻

☐	Server Name	Server Type	Authentication Type	Location	URL	Actions
☐	Nagios Core COLO B	Nagios Core	Basic Authentication	COLO B	http://10.25.5.2/nagios/	✏️ 📋 ✖

Nagios Fusion | Managing Fused Servers

Adding Fused Nagios Log Server Instance

Navigate to the **Admin** > **Servers** > **Manage Fused Servers** page. Click the **Fuse a Server** button.

Enter the following information for your Nagios instance that you are adding:

General Settings

- **Server Name -** This is the name that this server will be known as in Nagios Fusion

- **Server Type -** Select Nagios Log Server

- **URL -** The URL where the Nagios Log Server instance can be reached, examples:

  ○ `http://lscluster/nagioslogserver/`

  ○ `https://10.25.5.82/nagioslogserver/`

- **Enable this server -** Check this box to enable this fused server

Fusion Settings

- **API Key** - Retrieve this from your Nagios Log Server cluster by viewing the user's profile that has API access enabled
  - Login as the user and click their **username** in the **top right** corner of the navigation bar
- **Test Fusion Settings -** This button will test if the information you have provided is valid
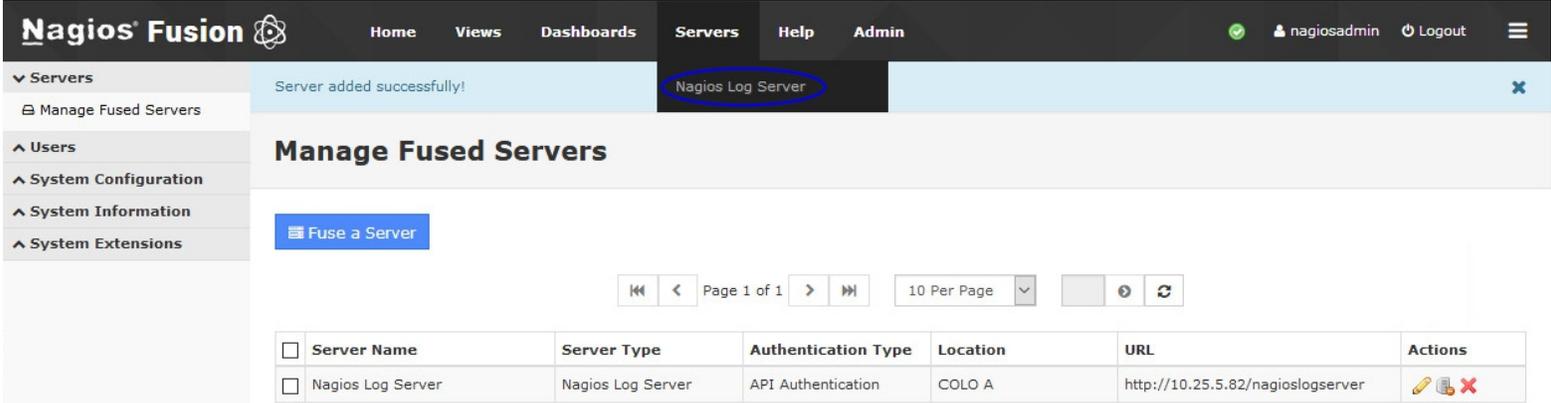
The **Polling Settings** and **Additional Information** are explained in the Common Settings section of this document.

When you're finished, click the **Fuse Server** button to add this fused server.

After adding the fused server, you will notice it will appear under the Servers button on the navigation menu along the top of the Nagios Fusion interface.

Common Settings

These settings are common between Nagios XI, Nagios Core and Nagios Log Server.

Polling Settings

Polling Settings

Authentication Interval:	300	Seconds

Define the frequency at which this server is checked for authentication. ❓

Polling Interval:	300	Seconds

Define the frequency at which this server is polled for data. ❓

☐ Ignore XI host/service meta data ❓

Enabling this option is not recommended unless you have an extremely large system.

- **Authentication Interval**

  - Define the frequency at which this server is checked for authentication

  - Authentication is a single check against the server to ensure both connectivity (information used for polling) and that the specified credentials are still correct

  - You want to keep this value relatively low

- **Polling Interval**

  - Define the frequency at which this server is polled for data

  - Larger Nagios XI and Core systems will benefit from a larger number here, due to the fact that it takes longer to poll and process the data for these large systems.

- **Ignore XI host/service meta data**

  - Only used if you have an extremely large system

  - This only applies to XI servers that you're fusing to. Meta data refers to the following data:

    - Hosts and Services that are disabled

    - Host and Service acknowledgment information

    - Hosts and Services that are flapping

    - Hosts and Services that are in downtime

    - For a large system, this can allow you to set a much lower value for the polling_interval, as poll speed is reduced by up to 70%

    - This is not recommended for an XI system with less than 20,000 Host and Service checks

Additional Information

- **Server Location -** User-defined data for keeping track of your server's location
- **Timezone -** The timezone that this server resides in
- **Server Notes -** Information about this server which will be displayed in other areas of the Nagios Fusion interface

Additional Information:

Server Location: COLO A
User-defined data for keeping track of your server's location.

Timezone: (UTC+10:00) Melbourne
The timezone that this server resides in. ❓

Server Notes: This XI server is located at COLO A

Delete / Disable / Enable

Fused servers can be deleted, disabled and enabled as required. Disabling and Enabling can be helpful when the server is taken offline for a period of time and you don't want it appearing in the interface.

Navigate to the **Admin** > **Servers** > **Manage Fused Servers** page. You can use the icons in the action column to delete, disable or enable individual fused servers. If you wish to perform the same action to multiple fused servers you can select multiple check boxes in the left column and use the **With Selected** icons underneath to perform the bulk action.

Fused Server Visibility

As mentioned earlier, after adding the fused server, you will notice it will appear under the Servers button on the navigation menu along the top of the Nagios Fusion interface. Discussed in more detail in the Managing Fusion Users documentation, fused servers will only be visible to those users that have been granted access to the Fused server. By default, newly added fused servers will be visible by all Nagios Fusion users. The following documentation provides detailed information on user accounts in Nagios Fusion:

Managing Fusion Users

Finishing Up

This completes the documentation on managing fused servers in Nagios Fusion.

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