

Nagios XI - Using The Custom Includes Component

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Overview

This KB article shows you how to use the Custom Includes component in Nagios XI (*available in XI 5.3.0 onwards*).

The Custom Includes component allows you to upload your own custom Cascading Style Sheets (CSS), JavaScripts and Images to Nagios XI to add customizations to Nagios XI. This allows you to customize Nagios XI without the changes being overwritten by future upgrades.

This KB article will show you how to change the color of the header with examples of a solid colour, a gradient and an image.

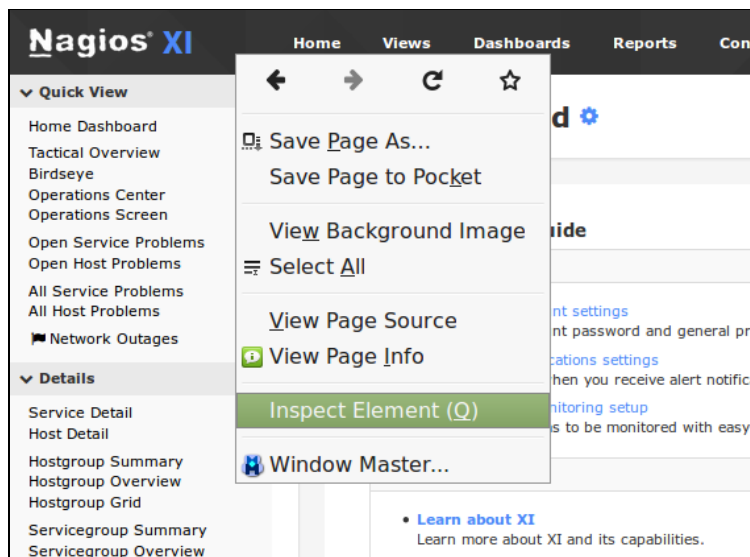
HTML / CSS / JavaScript skills are required for advanced customizations, this guide is an example of what can be achieved.

This KB article uses Firefox as the web browser, certain steps may vary if you are using a different web browser.

Identify The Object Being Changed

First we need to know the object being changed. We are going to change the background color of the Navigation bar in Nagios XI so we need to identify the HTML object that needs to be changed.

Right click on the top **Navigation** bar and select **Inspect Element (Q)**



This will display an additional window at the bottom of the web browser with the object that you just selected to inspect. In the following screenshot you can see the object has been highlighted.



Specifically this piece of information is what we are after:

```
<div id="header">
```

The object is a DIV, which is referenced in CSS styling using a # symbol

The name of the object is **header**

You can close the Inspect Element window by clicking the cross at the top right corner of it.

Create CSS File

Now you need to create a custom CSS file that has the custom color defined in it.

On your workstation, in a text editor create a file called `Header-Solid.css` with the following content:

```
#header {
  background: rgba(191,220,248,1);
}
```

Upload CSS File

In Nagios XI Navigate to Admin > System Extensions > **Custom Includes**

Click the **Browse** button, navigate to the file `Header-Solid.css` and then click the **Upload** button.

You will receive a message saying it "Successfully uploaded file".

Now that the file is uploaded you can enable it. Click the **check** box for the `Header-Solid.css` file and then click the **Save Changes** button.

Custom Includes

Allowed file types for upload are: .css, .js, .png, .jpg, .jpeg, .gif, and .bmp. Uploading the same filename will overwrite the original. Note: CSS and JS files will be included in the order they appear in the list below. To change include order, drag and drop the rows and then save changes.

Successfully uploaded file.

Browse... Upload

CSS JavaScripts Images

Include	File Name	File Size	Actions
<input checked="" type="checkbox"/>	Header-Solid.css	85 B	<input type="checkbox"/>

Save Changes

After clicking the **Save Changes** button the header background color should change the next time the header is refreshed (*click the Admin menu item*), you may need to press **CTRL + F5** to force a refresh. If you followed this example it will look like:

The screenshot shows the Nagios XI Administration interface. The top navigation bar includes Home, Views, Dashboards, Reports, Configure, Tools, Help, and Admin. The left sidebar has System Information and Users sections. The main content area is titled "Administration" and contains a description: "Manage your XI installation with the administrative options available to you in this section. Make sure you c... installation." Below this, there are two sections: "Administrative Tasks" with a "Task" input field and "XI System Component" with a "Component" input field.

Gradient

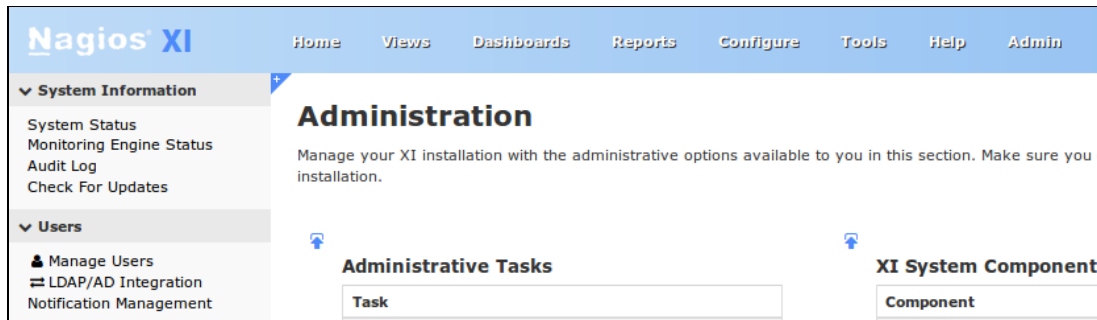
Here's a different example that uses CSS techniques to use a color gradient instead of a solid color. If you search the internet for "CSS Gradient" you'll find some free online tools that will provide you with the CSS code.

On your workstation, in a text editor create a file called `Header-Gradient.css` with the following content:

```
#header {
  background: rgba(191,220,248,1);
  background: -moz-linear-gradient(left, rgba(191,220,248,1) 0%, rgba(132,183,241,1) 100%);
  background: -webkit-gradient(left top, right top, color-stop(0%, rgba(191,220,248,1)), color-stop(100%, rgba(132,183,241,1)));
  background: -webkit-linear-gradient(left, rgba(191,220,248,1) 0%, rgba(132,183,241,1) 100%);
}
```

```
background: -o-linear-gradient(left, rgba(191,220,248,1) 0%, rgba(132,183,241,1) 100%);
background: -ms-linear-gradient(left, rgba(191,220,248,1) 0%, rgba(132,183,241,1) 100%);
background: linear-gradient(to right, rgba(191,220,248,1) 0%, rgba(132,183,241,1) 100%);
filter: progid:DXImageTransform.Microsoft.gradient( startColorstr='#bfdcf8', endColorstr='#84b7f1', GradientType=1 );
}
```

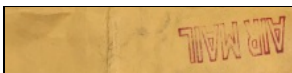
Upload **Header-Gradient.css** using the same method as before. Make sure you delete or disable the existing **Header-Solid.css** file in the Custom Includes component. The result should be something like:



You can see that the navigation bar is getting darker as it progresses from left to right.

Images

Using images is also possible. Here's an example image called **background.png** I am going to use for the header example:



First you must upload the image.

In Nagios XI Navigate to Admin > System Extensions > **Custom Includes**

Click the **Browse** button, navigate to the file **background.png** and then click the **Upload** button.

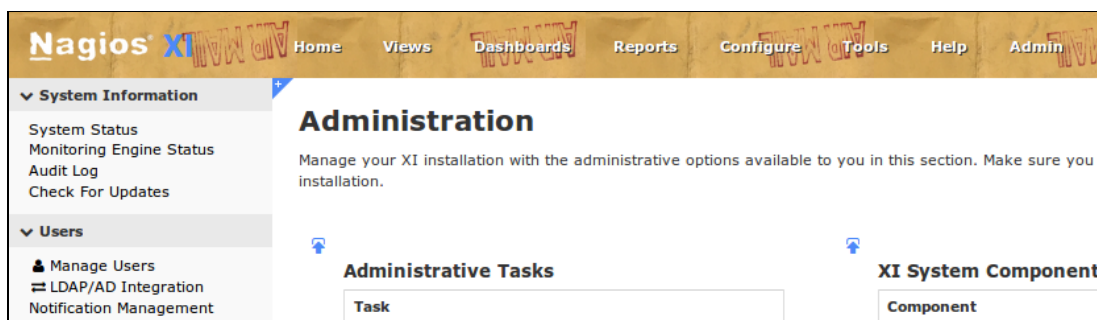
You will receive a message saying it "Successfully uploaded file".

Now you need to create a CSS file. On your workstation, in a text editor create a file called **Header-Image.css** with the following content:

```
#header {
  background-image: url("../images/background.png");
}
```

It's important to mention that the image files are stored in a directory called **images** and the css files are stored in a directory called **css**. Because the CSS code is being accessed from within the **css** directory we need to use a relative reference to the images folder using the syntax **../images/** as per the code example above.

Upload **Header-Image.css** using the same method as before. Make sure you delete or disable the existing **Header-Solid.css** or **Header-Gradient.css** files in the Custom Includes component. The result should be something like:



Troubleshooting

If you are not getting the desired results you can tail the `httpd/error_log` and it may help identify the issue. For example:

```
tail -f /var/log/httpd/error_log
```

The following error message was in the log file :

```
[Wed Oct 19 12:13:24 2016] [error] [client 10.25.254.50] File does not exist:
/usr/local/nagiosxi/html/includes/components/custom-includes/css/background.png,
referer: http://xi-c6x-x64/nagiosxi/includes/components/custom-includes/css/Header-Image.css?1475692699
```

Here I was able to identify my code was wrong as I had not correctly referenced the image file.

If you get an error message like the following:

Custom Includes

Allowed file types for upload are: .css, .js, .png, .jpg, .jpeg, .gif, and .bmp. Uploading the same filename w
included in the order they appear in the list below. To change include order, drag and drop the rows and th

Could not upload file **test.css**
Verify permissions on upload directories.

You may need to download the latest version of the component. It can be downloaded using this link:

<http://assets.nagios.com/downloads/nagiosxi/components/xi5/custom-includes.zip>

Navigate to Admin > System Extensions > **Manage Components** and upload the `custom-includes.zip` file which should solve the problem.

Final Thoughts

For any support related questions please visit the [Nagios Support Forums](#) at:

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

Posted by: **tlea** - Tue, Oct 18, 2016 at 8:17 PM. This article has been viewed 2568 times.

Online URL: <https://support.nagios.com/kb/article/nagios-xi-using-the-custom-includes-component-556.html>