

Nagios XI - Bandwidth Graphs Showing 0Mb/s in Non-English Systems

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Problem Description

When running Nagios XI on a system which uses certain non-English languages, bandwidth services (amongst others) and their associated graphs may incorrectly report 0 Mb/s even though there is traffic actively flowing through the given port.

Editing Files

In many steps of this article you will be required to edit files. This documentation will use the `vi` text editor. When using the `vi` editor:

- To make changes press `i` on the keyboard first to enter insert mode
- Press `Esc` to exit insert mode
- When you have finished, save the changes in `vi` by typing `:wq` and press Enter

Resolving The Problem

The easiest way to fix this is to edit the `resource.cfg` file and add `LC_ALL=C` before the `$USER1$` macro as a prefix to be run before all commands Nagios runs.

1. Open the `/usr/local/nagios/etc/resource.cfg` file in your preferred text editor.
2. Edit the `$USER1$` macro (typically the second line of the file) to be as follows:

```
$USER1$=LC_ALL=C /usr/local/nagios/libexec
```

3. Save and close the file, then restart the `nagios` service using one of the commands below:

RHEL 6 | CentOS 6 | Oracle Linux 6 | Ubuntu 14

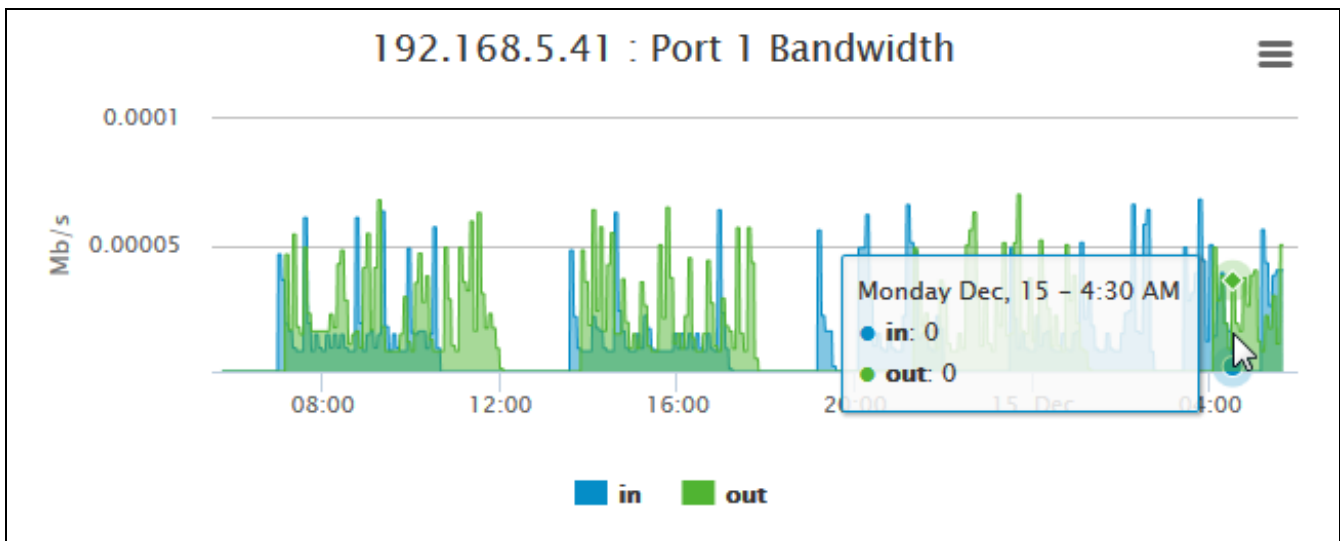
```
service nagios restart
```

RHEL 7 | CentOS 7 | Oracle Linux 7 | Debian | Ubuntu 16/18

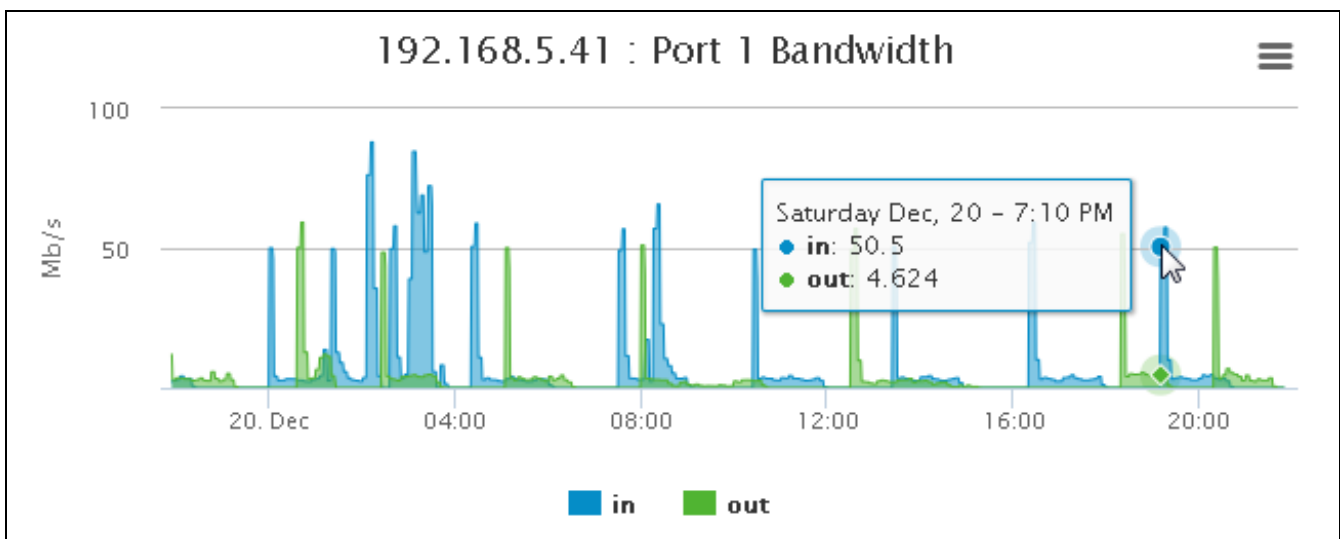
```
systemctl restart nagios.service
```

4. Graphs should start showing proper information. It may take up to 15 minutes for the changes to take effect, possibly longer for large environments.

Before:



After:



Additional Information

Setting `LC_ALL=C` before all Nagios commands will force the system language to whatever language the strings in the plugin/binary/application are written in, only for the duration of that command. This will not have an effect on the configured system language itself, and will only take effect when Nagios is running the command. In the case of Nagios XI installations, the plugins included by default are written in English and use the "1,000.00" number format, which is properly interpreted by `check_rrdtraf` and other plugins.

In systems using certain non-English languages (Spanish, French, and Russian, for example) numbers are

represented differently. Whereas in English the comma (,) is used as the thousands separator and the period (.) is used as a decimal separator, most other languages will reverse the two, so that "one-thousand" would be written as "1.000,00" instead of "1,000.00". This causes the graphing to interpret the data incorrectly. Instead of seeing, for example, "1,270 MB/s" the system would see "1.270 MB/s" which is of course orders of magnitude smaller.

Resources

<http://unix.stackexchange.com/questions/87745/what-does-lc-all-c-do>

Final Thoughts

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

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

Posted by: **tmcdonald** - Fri, Dec 19, 2014 at 4:59 PM. This article has been viewed 1619 times.

Online URL: <https://support.nagios.com/kb/article/nagios-xi-bandwidth-graphs-showing-0mb-s-in-non-english-systems-10.html>