

Nagios XI - Create Host And Service URLs With Filters

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Overview

This article will show you how to create a host or service URL in Nagios XI that is restricted to a set of filters.

First you will be shown how to show services in a WARNING or CRITICAL state.

Then you will be shown how to restrict this to only services in a HARD state.

How To

Open Nagios XI

On the Home menu, under **Quick View** click **Tactical Overview**

Right click on the services column **X Critical** and select **Open Link in New Tab**

Look at the url, it ends with `&servicestatustypes=16`

Do the same for the services column **X Warning** and select **Open Link in New Tab**

Look at the url, it ends with `&servicestatustypes=4`

4+ 16 = 20

Now change the URL to `&servicestatustypes=20` and now you'll see **Warning** and **Critical** on the one page.

The screenshot shows the Nagios XI Service Status page. At the top, there are two summary tables: 'Host Status Summary' and 'Service Status Summary'. The 'Service Status Summary' table shows 46 Ok, 2 Warning, 1 Unknown, 9 Critical, and 0 Pending services. Below these tables is a search bar and a filter bar. The filter bar shows 'Filters: Service=Warning,Critical' with a red 'X' icon. Below the filter bar, it says 'Showing 1-11 of 11 total records'. The main table has columns for Host, Service, Status, Duration, Attempt, Last Check, and Status Information. The first row shows the host 'asdas' with a service 'CPU Usage (CPU Usage)' in a Critical state. Other services listed are 'Drive C: Disk Usage (Drive C: Disk Usage)', 'Logon Errors (Logon Errors)', and 'Memory Usage (Memory Usage)', all in Critical states.

Host	Service	Status	Duration	Attempt	Last Check	Status Information
asdas	CPU Usage (CPU Usage)	Critical	90d 1h 54m 29s	5/5	2016-02-29 14:06:41	CRITICAL - Socket tim after 10 seconds
	Drive C: Disk Usage (Drive C: Disk Usage)	Critical	90d 1h 52m 51s	5/5	2016-02-29 14:10:43	CRITICAL - Socket tim after 10 seconds
	Logon Errors (Logon Errors)	Critical	90d 1h 51m 4s	5/5	2016-02-29 14:07:11	CRITICAL - Socket tim after 10 seconds
	Memory Usage (Memory Usage)	Critical	90d 1h 54m 16s	5/5	2016-02-29 14:09:59	CRITICAL - Socket tim after 10 seconds

All of these numbers are defined in the file `/usr/local/nagiosxi/html/includes/constants.inc.php`

```
// PSEUDO-STATES (USED IN LINKS, ETC)
define("SERVICESTATE_PENDING", 1);
define("SERVICESTATE_OK", 2);
define("SERVICESTATE_WARNING", 4);
```

```
define("SERVICESTATE_WARNING", 4);
define("SERVICESTATE_UNKNOWN", 8);
define("SERVICESTATE_CRITICAL", 16);
define("SERVICESTATE_ANY", 31);
```

In relation to only showing services in a HARD state, looking in the file `constants.inc.php` we find the following:

```
define("SERVICESTATUSATTR_HARDSTATE", 262144);
```

You can add `&serviceattr=262144` to the URL and it will only show the HARD states. Your final URL would look something like:

```
http://xitest/nagiosxi/includes/components/xicore/status.php?show=services&servicestatustypes=20&serviceattr=262144
```

Service Status

All services

Search...

Filters: **Service=Warning,Critical,Hard State,Hard State** ✕

Showing 1-11 of 11 total records

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Host	Service	Status	Duration	Attempt	Last Check	Status Information
asdas	CPU Usage (CPU Usage)	Critical	90d 1h 57m 23s	5/5	2016-02-29 14:11:43	CRITICAL - Socket time after 10 seconds
	Drive C: Disk Usage (Drive C: Disk Usage)	Critical	90d 1h 55m 45s	5/5	2016-02-29 14:10:43	CRITICAL - Socket time after 10 seconds
	Logon Errors (Logon Errors)	Critical	90d 1h 53m 58s	5/5	2016-02-29 14:12:06	CRITICAL - Socket time after 10 seconds
	Memory Usage (Memory Usage)	Critical	90d 1h 57m 10s	5/5	2016-02-29 14:09:59	CRITICAL - Socket time after 10 seconds

Host Status Summary

Up	Down	Unreachable	Pending
15	1	0	2
Unhandled		Problems	All
1		1	18

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Service Status Summary

Ok	Warning	Unknown	Critical	Pending
46	2	1	9	0
Unhandled		Problems	All	
12		12	58	

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Final Thoughts

For any support related questions please visit the [Nagios Support Forums](http://support.nagios.com/forum/) at:

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

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