

HOW TO MIGRATE NAGIOS SCRIPTS TO SOLARWINDS SERVER & APPLICATION MONITOR

Introduction

Nagios® is a popular open source monitoring tool that is used by IT teams for application and server monitoring. Though it is free from a cost perspective, there is high opportunity cost involved in setting it up and customizing it. Its dependency on 3rd-party integration and manual service check configuration makes scalability complex for large and distributed networks.

There are many IT departments that are **moving away from Nagios** and purchasing commercial application performance monitoring tools. Many of **SolarWinds® Server & Application Monitor (SAM)** customers were also users of Nagios in the past. They had many challenges with the product and decided to replace it with SolarWinds SAM.

"Compared to Nagios, I get more time to monitor and spend less time programming with SolarWinds SAM. I can also trend performance issues, which I could not do earlier."

Jim Morrison, IT Professional, Dassault Systèmes

"Something that may take 30 minutes in Nagios takes only 3 minutes in SolarWinds."

Ed Bowling, Sr. Systems Administrator, Zodiac Inflight Innovations

What Happens to All the Custom Scripts I Created for Nagios?

SolarWinds SAM provides out-of-the-box monitoring templates and monitors to **support more than 200 enterprise applications**. The best part is you can leverage your existing custom scripts built for Nagios or any other homegrown tool and import them into SAM to extend monitoring coverage. The script processor built into SAM enables you to convert most Nagios scripts into a format that can be used to schedule and run jobs and report findings on an intuitive dashboard or via alerts.

Benefits to IT Professionals

- None of your custom scripts are wasted
- You don't have to build them again using SAM
- Import them as they are into SAM
- Save significant amounts of time and manual effort

Looking for an alternative to Nagios? Take a look at SolarWinds Server & Application Monitor.

<http://www.solarwinds.com/topics/nagios-alternatives.aspx>

How to Import Nagios Scripts into SAM

Leverage the built-in **Nagios Script Monitor** to migrate your self-written Nagios scripts, or any 3rd-party open source Nagios script to SolarWinds SAM. Nagios Script Monitor is a component monitor type available within SolarWinds SAM that can be applied to any out-of-the-box or user-defined template for monitoring applications.

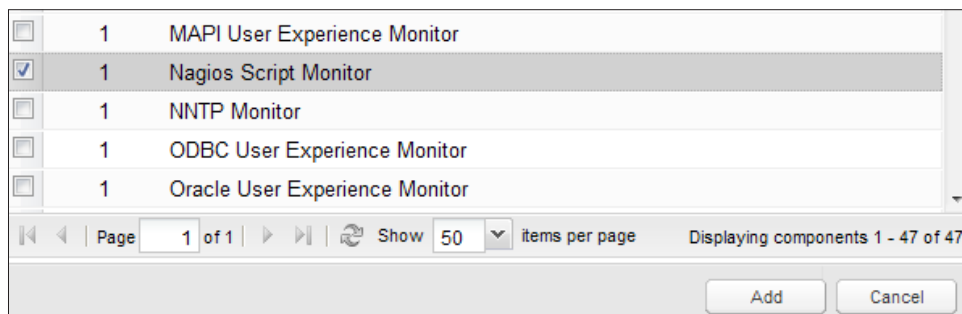
- Go to SAM Settings, and choose to select a monitoring template from the available list, or build a new one if needed.

**Application Monitor Templates**

Templates offer a group of component monitors that determine the overall health of applications. Templates assigned to nodes will inherit changes made to the master template.

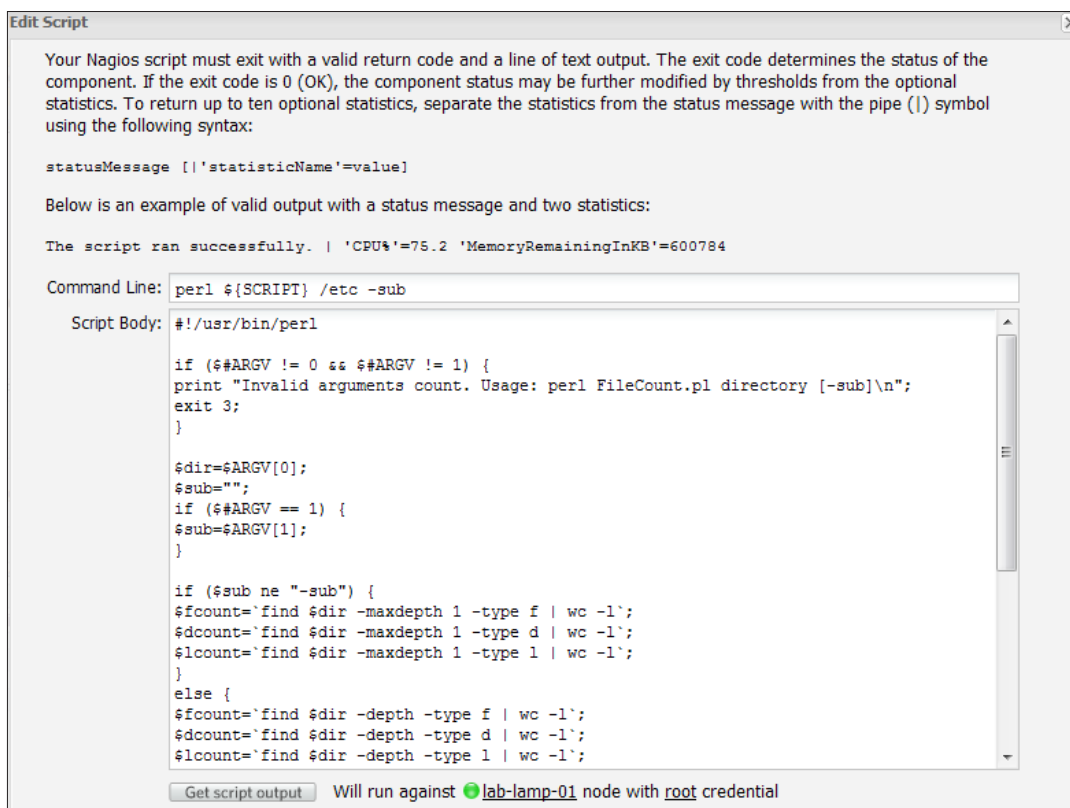
[» Manage Templates](#) [» Create a New Template](#)

- ii. Now in the template settings page, click on Add Component Monitor, and add the Nagios Script Monitor to the template.



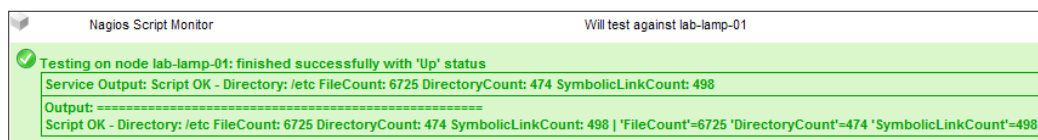
The Nagios Script Monitor uses SSH to upload a script to a server, run the script, and then process the script exit code and text output. This has the ability to return multiple results.

- iii. Once the Nagios Script Monitor is added, click Edit to open the Edit Script pop-up window. Now, paste your Nagios script in the Script Body field, and add the directory name in the Command Line.



- iv. Now, you have to select the server node where SolarWinds SAM will need to run the component monitor. Click Get Script Output to select the server node and test it.

The image below is a sample test result of a Nagios Script, which counts the number of files, directories, and symbolic links in a given directory.



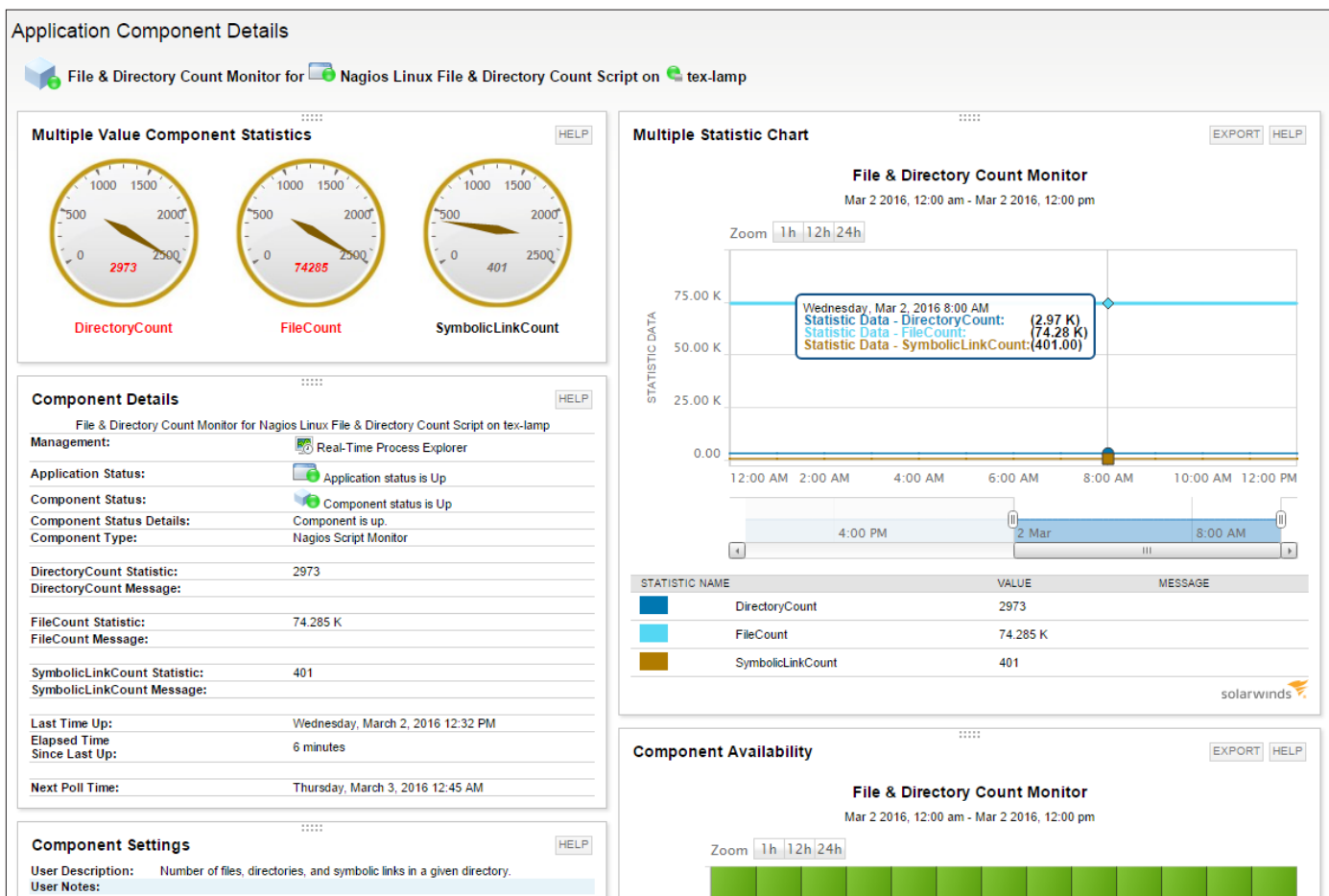
Note:

- The monitoring statistic (that is to be returned with the output) needs to be defined in the script.
- A maximum of 10 output pairs can be returned. If you exceed the maximum allowed, remove the excess output pairs or they will simply be ignored.
- Nagios determines the status of a host or service by evaluating the return code. The following table shows a list of valid return codes, along with their corresponding service or host state.

Return Code	Service State	Host State
0	Ok	Up
1	Warning	Up or Down/Unreachable
2	Critical	Down/Unreachable
3	Unknown	Down/Unreachable

[Learn more about Nagios Script Monitor in SolarWinds SAM »](#)

SolarWinds SAM Monitoring Dashboard After Importing a Nagios Script



Migrate your Nagios scripts and other custom scripts to **SolarWinds Server & Application Monitor**. Download the fully functional 30-day free trial, and try it yourself.

Contact sales@solarwinds.com to learn more about SolarWinds Server & Application Monitor and set up a personalized demo with our product engineers.

[DOWNLOAD FREE TRIAL](#)[LEARN MORE](#)

Fully Functional For 30 Days

"We did try to implement Nagios, but found it too difficult to get up and running quickly. SolarWinds was far more user-friendly."

Mitchel Buchan, IT Professional, Kingston Healthcare Company

SolarWinds SAM – Awards & Recognition



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