

Nagios Monitoring of Kaltura

Jess Portnoy

Kaltura, Inc

jess.portnoy@kaltura.com

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Abstract

At Kaltura, we've written a test suite using our platform's PHP5 API. This session will cover an introduction to the Kaltura platform and a live Kaltura environment where these monitors are deployed as well as some code reviewing.

Why we chose Nagios as our monitoring system recommendation

After some consideration and evaluation of various systems, our choice was Nagios due to these factors:

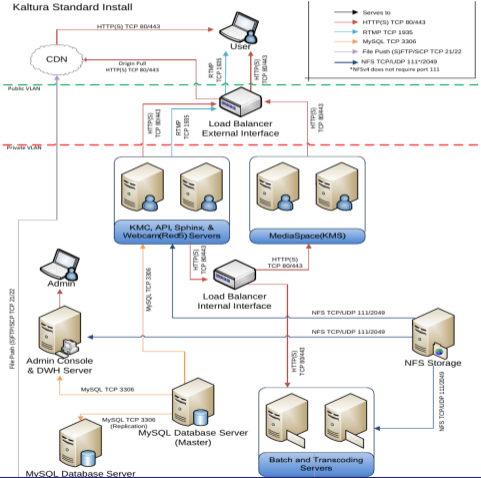
- It is open sourced [GPL]
- It is very commonly used and that, combined with open source aspect provides the security of receiving great support and a vast amount of plugins developed by the community
- In contenance to the last bullet - <http://exchange.nagios.org>
- It is a very easy to deploy platform and just as important: an easy one to develop and build new functionality upon

Our ENV (All open source)

Before we move to the live demo, here is a brief view on the Kaltura architecture. Naturally, all these components need to be monitored and of course, just as important, so should our own Core functionality

- Linux CentOS 6.3, 64bit
- Apache 2.2.15
- MySQL 5.1.73
- PHP 5.3.3
- The Kaltura Video platform which also requires these components:
 - Memcached 1.4.4
 - Bunch of PHP extensions
 - FFmpeg 2.1.3
 - Sphinx 2.2.1

And now... a diagram









Demo time

In this demo, we will see several monitors written using our PHP API and wrapped as Nagios plugins.

Thank you

A big thank you goes to our Core developers and especially to Jonathan (TanTan) Kanarek for his work on the Nagios wrapping infrastructure.

References

-  Nagios Exchange - <http://exchange.nagios.org>
-  Nagios Kaltura plugins - <http://exchange.nagios.org/directory/Utilities/Kaltura-monitors/details>
-  The home of the official Nagios Plugins - <https://nagios-plugins.org>
-  The Memcached plugin - http://exchange.nagios.org/directory/Addons/Active-Checks/check_memcached_wh/details
-  The check NFS mounts plugin - http://exchange.nagios.org/directory/Plugins/Network-and-Systems-Management/check_mounts-2Esh/details
-  Kaltura Core Github repo - <https://github.com/kaltura/server>
-  Kaltura API explained - <http://blog.kaltura.org/api-inside-out-kaltura-architecture>

The End && questions