



CHEMNITZER LINUX TAG
2014 SHORT PAPER

ICINGA 2: SECURE CLUSTER STACK MONITORING AND MORE

PRESENTATION:

If you were to spy on an IT environment, one of the best places to start would be their monitoring system. Beyond housing user, application and performance data, communication in distributed systems using NSCA or NRPE are all too easy to forget to encrypt.

With this in mind, the Icinga team has decided to make SSL communication the default in Icinga 2's cluster stack feature. But Icinga 2 takes secure distributed monitoring one step further. It comes with an ACL (access control list) that ensures monitoring clusters can be managed per individual domains, such that not only users but also checks can be restricted to specific systems.

This talk will introduce Icinga 2, a new open source monitoring solution from the makers of the Icinga 1.x Nagios fork. It will explain Icinga 2's innovative multi-threaded architecture, and how it enables secure cluster stack monitoring, with both SSL encryption and ACL, as well as load balancing and automated replication out-of-the-box. This will be demonstrated live, alongside the simple integration of tools common to modern IT architectures such as Graphite and Logstash, to create the ultimate monitoring system. The talk will end by sharing future development plans.

SPEAKER:

BERND ERK, ICINGA TEAM

Icinga Co-founder, Bernd contributes to Icinga project management, drawing on his professional skills as Managing Director at NETWAYS GmbH. A contributor to Linux Magazine and Linux Technical Review in Germany, Bernd regularly publishes articles and presents on open source topics ranging across network monitoring, OpenNebula cloud computing, MySQL database monitoring and performance tuning among others.

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