University of Stuttgart
Germany

RSS
Reliable Software Systems

Student Report (Bachelor Software Engineering):

Comparison of application monitoring and alerting tools

Background and Motivation

Nowerdays big server architectures with spreaded Servers are very common. To monitor this big systems control tools for very distributed are needet. Some of these tools are very Modular and can for example only used for collecting the data at the server or a Web Representation of the data. On the over hand some System offer a consistentsy in technolgy by being isolated.

Goals

The Student Report lists and discusses the different open Source Monitoring and alerings tools. Goal is to print out the different architekures and technologie of the Systems to make it easyer for the reader to deside wich aplication is the best for his system.

Possible Collaborations

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References

[1] L. Bass, I. Weber, and L. Zhu. *DevOps: A Software Architect's Perspective*. Addison-Wesley Professional, 2015.

[2] S. Newman. *Building Microservices*. O'Reilly Media, Inc., 2015.

[3] T. Pitakrat, D. Okanović, A. van Hoorn, and L. Grunske. An architecture-aware approach to hierarchical online failure prediction. In *Proceedings of the 12th International ACM SIGSOFT Conference on the Quality of Software Architectures (QoSA '16)*. IEEE, 2016. To appear.

Contact

Dr.-Ing. André van Hoorn, van.hoorn@informatik.uni-stuttgart.de
University of Stuttgart, Inst. for Software Technology, Reliable Software Systems Group