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A Light-weight Intrusion Detection System for clusters

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The RPMVerify package is a light weight intrusion detection system (IDS) which is used at CERN as part of the wider security infrastructure. The package provides information about potentially nefarious changes to software which has been deployed using the RedHat Package Management system (RPM).

The purpose of the RPMVerify project has been to produce a system which makes use of the existing CERN infrastructure and tackles the scalability limitations of existing IDSs.

In this paper we discuss its design, implementation, limitations, and our experiences in using it. We will specifically comment from the system administration and service management perspective.

Summary

IDS, Qquattor, security, cluster security

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