

Published on *CERN openlab* (<http://test-static-05.web.cern.ch>)

[Home](#) > Shadowserver reports automated tool

Shadowserver reports automated tool ^[1]

Date published:

Wednesday, 31 August, 2016

Document type:

Summer student report

Author(s):

V. Janevski

The Shadowserver Foundation is offering a completely free-of-charge alerting and reporting service designed for ISPs, enterprises, hosting providers and other organizations that own or control a particular network space. The variety of reports provided to organizations serve as intelligence and assist in the process of locating and mitigating the security issues which occur inside their network. Being subscribed to this scanning and reporting service, CERN receives daily summaries of the security issues that happened during the past day. Analysing and handling all the reported issues manually is a time-consuming, tedious and repetitive job, because it would require a particular person from the Computer Security Team to go through a series of steps every day. In addition, the manual approach is not scalable and tends to be error-prone, which might lead to important things being missed. The main goal of this project is to create an automated tool that would be capable of extracting the relevant data from the received reports. However, it should not simply store the information in a database, but somehow notify the device owners that their devices were involved in a particular security issue. Also, it should be able to keep track of who was notified about what and when, in order to avoid sending multiple messages to a person about the same problem in a short period of time. The output of the tool is a detailed report which provides an overview of the security vulnerabilities that occurred inside CERN's network during the last 24 hours, as well as a command line tool for whitelisting and managing already whitelisted devices.

Report on ZENODO:

[Document on ZENODO](#) ^[2]

- [Visit Us](#)
- [RSS Feeds](#)

DISCLAIMER: This Web page contains pointers to material related to the management of

CERN openlab in the Information Technology Department at the European Organization for Nuclear Research (CERN). Their use and distribution are regulated by the CERN copyright notice.



Source URL: http://test-static-05.web.cern.ch/publications/technical_documents/shadowserver-reports-automated-tool

Links

- [1] http://test-static-05.web.cern.ch/publications/technical_documents/shadowserver-reports-automated-tool
- [2] <https://zenodo.org/record/61229>