



This is an archive website with information on CERN openlab's fourth and fifth three-year phases (2012-2017)

Please visit our new website at cern.ch/openlab



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

[Home](#) > BROCADE TO CONTRIBUTE TO CERN OPENLAB OPEN DAY 2016

BROCADE TO CONTRIBUTE TO CERN OPENLAB OPEN DAY 2016 ^[1]

Brocade Contributes to CERN openlab to Develop SDN Solutions That Support the New IP

BRACKNELL, United Kingdom and SAN JOSE, Calif. ? June 2, 2016 ? BROCADE ^[2] (NASDAQ: BRCD) is continuing its partnership with CERN by participating in the 2016 CERN OPENLAB ^[3] open day event on 8 and 9 June 2016. The event will provide an opportunity to learn about CERN openlab's work: collaborating with LEADING ICT COMPANIES AND RESEARCH INSTITUTES ^[4] to accelerate the development of cutting-edge solutions for the worldwide Large Hadron Collider community, as well as for wider scientific research.

Brocade's contribution to CERN openlab is to help the world's largest and most respected centre for scientific research develop a long-term Software-Defined Networking (SDN) strategy for its IP network infrastructure. Brocade is an official networking contributor member to CERN openlab.

The open day will feature discussions about the achievements of DIVERSE CERN OPENLAB PROJECTS ^[5] during the last year. There will also be hands-on technology demonstrations from companies working with CERN openlab. Brocade and CERN openlab will jointly present how BROCADE® FLOW OPTIMIZER ^[6] and BRO INTRUSION DETECTION SOFTWARE ^[7] integration are helping CERN monitor, detect, and prevent security threats. Brocade and CERN will also demonstrate Brocade Flow Optimizer and Bro IDS working together in a network composed of OpenFlow-enabled Brocade MLXe routers and Brocade ICX® SWITCHES ^[8].

In addition, Brocade is collaborating with CERN openlab on a new solution designed to help the organisation address the long-term challenges facing its network infrastructure. Due to the nature of the research carried out by CERN, the organisation generates extremely large data volumes and therefore needs an efficient, scalable, and flexible network in order to handle traffic spikes and to serve as a platform for innovation.

The project with Brocade is intended to create a future-proof New IP network based on a framework of SDN applications, which can optimise the routing of data traffic entering and leaving the organisation. The network can intelligently filter trusted traffic to bypass firewall checks for better network efficiency and an improved user experience. It also allows CERN to monitor and detect security threats by mirroring data traffic to the Bro IDS. Upon detecting any threats, the Bro IDS can introduce threat mitigation by interacting with the Brocade Flow Optimizer. Through the CERN openlab project, Brocade will also be focusing on creating enhanced user interfaces for its solutions, giving collaborators at CERN the ability to view graphical charts and visualisations showing real-time and historical traffic information.

The open SDN solution will be based on OpenFlow and will utilise the [BROCADE SDN CONTROLLER](#) [9] and [BROCADE FLOW OPTIMIZER](#) [10] to increase network performance, proactively improve capacity planning, and eliminate network congestion.

The event will take place on 8 and 9 June 2016 at CERN in the main auditorium, as well as in the upstairs mezzanine area of the main building.

About CERN openlab

CERN openlab is a unique public-private partnership that accelerates the development of cutting-edge solutions for the worldwide LHC community and wider scientific research. Through CERN openlab, CERN collaborates with leading ICT companies and research institutes. CERN openlab has recently entered its fifth three-year phase (2015-2017), addressing new topics crucial to the CERN scientific programme. (www.cern.ch/openlab [11])

About Brocade

Brocade (NASDAQ: BRCD) networking solutions help the world's leading organizations turn their networks into platforms for business innovation. With solutions spanning public and private data centers to the network edge, Brocade is leading the industry in its transition to the New IP network infrastructures required for today's era of digital business. (www.brocade.com [12])

Press Release pdf:

 [BROCADE TO CONTRIBUTE TO CERN OPENLAB.pdf](#) [13]

Released by:

[Brocade](#) [14]

- [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/resources/press_release/brocade-contribute-cern-openlab-open-day-2016

Links

- [1] http://test-static-05.web.cern.ch/resources/press_release/brocade-contribute-cern-openlab-open-day-2016
- [2] <http://www.brocade.com/>
- [3] <http://test-static-05.web.cern.ch/>
- [4] http://openlab.cern/about/collaboration_members
- [5] <http://openlab.cern/technical-areas>
- [6] <http://www.brocade.com/en/products-services/software-networking/sdn-controllers-applications/flow-optimizer.html>
- [7] <https://www.bro.org/>
- [8] <http://www.brocade.com/en/products-services/switches/campus-network-switches/icx-6430-and-6450-switches.html>
- [9] <http://www.brocade.com/en/products-services/software-networking/sdn-controllers-applications/sdn-controller.html>
- [10] http://www.brocade.com/en/products-services/software-networking/sdn-controllers-applications/flow-optimizer.html?cid=lp_flow_optimizer_pr_00001
- [11] <http://www.cern.ch/openlab>
- [12] <http://www.brocade.com>
- [13] <http://test-static-05.web.cern.ch/sites/test-static-05.web.cern.ch/files/press-releases/Y/M/BROCADE%20TO%20CONTRIBUTE%20TO%20CERN%20OPENLAB.pdf>
- [14] <http://test-static-05.web.cern.ch/press-release-type/brocade>