

Firewall Load-Balancing solution at CERN

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The CERN network infrastructure has several links to the outside world. Some are well identified and dedicated for experiments and research traffic (LHCOPN/LHCONE), some are more generics (general internet). For the latter, a specific firewall inspection is required for obvious security reasons, but with tens of gigabits per second of traffic, the firewalls capacities are highly challenged. This presentation will explain how CERN plans to move from a static firewall setup with limited capacity to a more flexible design using a Firewall Load Balancing solution. It will present the current setup, the on-going migration to a temporary firewall load balancing solution, and the long-term plans.

Author: DUCRET, Vincent (CERN)

Presenter: DUCRET, Vincent (CERN)

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