

## **SURF**

SURF is the collaborative ICT organisation for Dutch education and research. SURF offers students, lecturers and researchers in the Netherlands access to the best possible Internet and ICT facilities, such as high performance computing, big data services and high-speed networking.

### **Collaborating on innovations**

SURF's mission is to enhance the quality of Dutch education and research through innovations in ICT. SURF therefore develops, innovates and operates an advanced, federated e-infrastructure in conjunction with the education and research institutions. By working together in SURF, the institutions realise innovations on a scale that they would be unable to achieve individually.

### **Experimenting facilities**

SURF offers several possibilities for researchers to pioneer and experiment with new network, compute and security technologies and concepts such as the SURFnet testbed and dedicated facilities for cybersecurity research.

The SURFnet testbed was specifically designed for experimenting with new network technologies and concepts. It can, for example, be used for any type of Software Defined Networking (SDN), such as gaining hands-on experience with OpenFlow switches and controllers, development of SDN prototypes or third-party SDN software testing.

SURF also offers unique cybersecurity research facilities to academic researchers in the form of a dedicated research network with direct high-speed connections to the AMS-IX and with facilities to perform high-speed packet captures and flow processing. A dedicated hypervisor and high volume storage array can be used by researchers to perform experiments from within this network. These facilities are regularly used for research into botnets, uncovering vulnerable systems, open source network intelligence and cutting edge honeypot systems, to name a few.

More information

[www.surf.nl/support4research](http://www.surf.nl/support4research)

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