# «Denial-of-Service Attack» Information and Prevention

## DoS – Denial-of-Service

A DoS attack is run from one computer, aimed by one attacker directly at the victim. No other computers are involved. To this end, the attacker overloads a server or a website with a number of requests larger than the server/website can process, so that it either terminates the service or is no longer able to reply to any regular requests.

## DDoS – Distributed-Denial-of-Service

A DDoS attack is split into two steps:

1. The attacker uses a Trojan or some other malware to take over several computers on the Internet, so building a so-called botnet.

2. The attacker takes control of the botnet and makes it attack the target (for instance a website) in the same way as a DoS attack.

### Denial-of-Service Attack

A Denial of Service Attack (DoS Attack) aims to prevent or block access to a server or a website for anyone. Hackers can achieve this by overloading or terminating a service.

An attack is usually aimed at a website, and mostly, no data are stolen or damaged. Hackers only aim to prevent legitimate users from accessing the website, so that they are unable to, for instance, use their e-banking facility for a certain period of time.

## Prevention

It is very important that you adhere to the «5 steps for your security» so that your computer doesn't become part of a botnet and an «involuntary participant» in a DDoS attack this way.

You should especially note the following:

- Always use up-to-date virus software

- Use a firewall to monitor your connection

- Regularly install updates for your operating system and the programs installed

- Exercise care, and be watchful

Further information: www.ebas.ch/denialofserviceattack

# eBanking but secure!

You will find further practical information on measures and approaches required to ensure that e-banking applications are used securely under **www.ebankingbutsecure.ch**. The use of this website is free.

Hochschule Luzern – Informatik
Campus Zug-Rotkreuz, Suurstoffi 41b
CH-6343 Rotkreuz