



**TRAFICOM**

Finnish Transport and Communications Agency  
National Cyber Security Centre

# Cyber weather

December 2019

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**#cyberweather** gives you an update on the key information security incidents and phenomena of the month. We want to give our readers an overview of what has happened in the field of cyber security during the past month. The situation can be:

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calm



worrying



serious

# Cyber weather, December 2019

## Network performance



- ▶ A vulnerability in an active network device was used in a DoS attack.
- ▶ Winter storm caused only minor performance incidents.
- ▶ The decrease in the number of significant incidents stopped.

## Spying



- ▶ The tense political situation between Iran and the USA increases the risk of cyber attacks and spying.
- ▶ Two-factor authentication does not keep cyber spies out of systems.

## Malware and vulnerabilities



- ▶ An unfixed vulnerability in Citrix products is being exploited for attacks.
- ▶ Lokibot malware actively spread by email, for example, in the name of the University of Turku.

## Data breaches and leaks



- ▶ The Office 365 data breach caused a Finnish company a loss of tens of thousands euros.
- ▶ A major Facebook data breach did not contain passwords or payment card details.

## Scams and phishing



- ▶ Subscription traps are becoming automated.
- ▶ Subscription traps are spread by sms, email, advertisement links and search engine optimization.

## IoT and automation



- ▶ The annual analysis discovered over one thousand unprotected devices in Finland.
- ▶ The FBI recommends that owners of IoT devices keep them on a separate network.