

# Just make sure to be securely protected

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## Why am I here?

- Very shortly introduce myself and Fox-IT
- Tell some scary stories
- Tell a bit more about the Fox Data Diode

# Fox IT ensures a more secure society

We prevent, solve & mitigate the most serious cyber threats...



We focus on sectors where security is essential...

...with human intelligence & technical innovation.

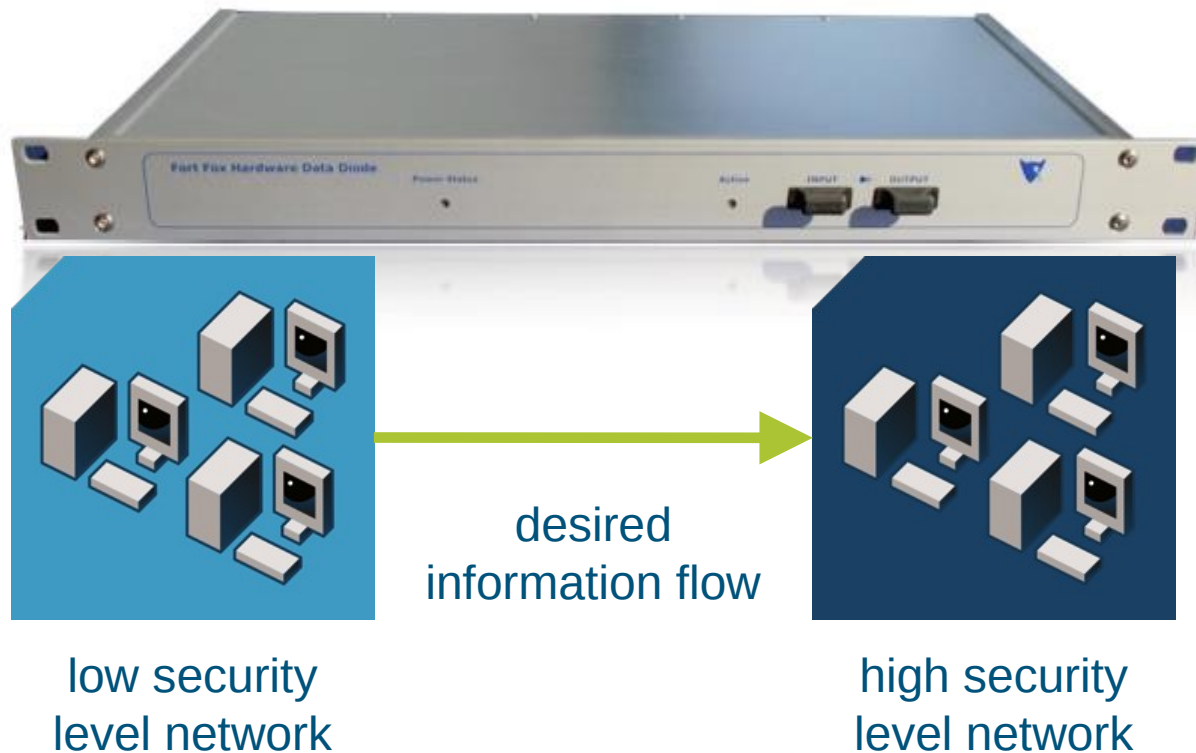
...to protect people, information, money & core assets.

## Some relevant company facts

- Around 250 people
- Trust is the basis #1: Everyone is screened
- Trust is the basis #2: Our processes are certified
- Trust is the basis #3: Our products are certified
- Traditionally symbiotic with government, defence, and law enforcement
- Expanding ground on critical infrastructure

## The solution?

# Uncompromisable network segregation



## Uncompromisable?

- Absolutely, and guaranteed (OSI – physical)
- Pure hardware, no software, no complex logic
- Holds the highest possible Common Criteria certification of EAL7+, as well as NATO SECRET.
- Why not simply use firewalls?

## How about functionality?

- Functionality → Do meaningful data transfer
- So we do add logic, yet loosely coupled
  - Proxy servers surround the Diode:
    - Provide infrastructural interface
    - Marshall complex data streams and files
    - Do protocol break (add even more security)
    - Add forward error correction

## How about some examples?

- Scenario #1: Send classified files into your high-security network
- Scenario #2: Securely send Windows Updates into your high-security network
- Scenario #3: Forward emails into your high-security network
- More scenarios: Time (NTP), Database replication, printing, Antivirus updates, RSS feeds, Syslog, File share mirroring, ICS.



**Services**

This page allows you to manage the upstream services for this appliance.

**Upstream**

**FTP**

The file transfer FTP protocol is v

**TCP**

The Transmission communication data through the

**Services**

Please enter the new configuration for the following service: FTP

NAME	STATUS	ACTIONS
FTP	✓ Running	↺
SMTP	✓ Running	↺
NTP	✓ Running	↺

All enabled services are running. If you wish to restart all services, use the button below.

**RESTART STOPPED** **RESTART ALL**

**Reboot**

Rebooting allows you to completely restart the appliance machine in an attempt to clear memory and restart unresponsive processes and services. Rebooting will cause data loss on currently active transfers. Click the button below to initiate a reboot.

**REBOOT**

## Final thoughts

- Know what information / systems to protect
- Be confident about your protection
- Just make sure to be securely protected

## Q & A

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