

Qradar @ University of Bern

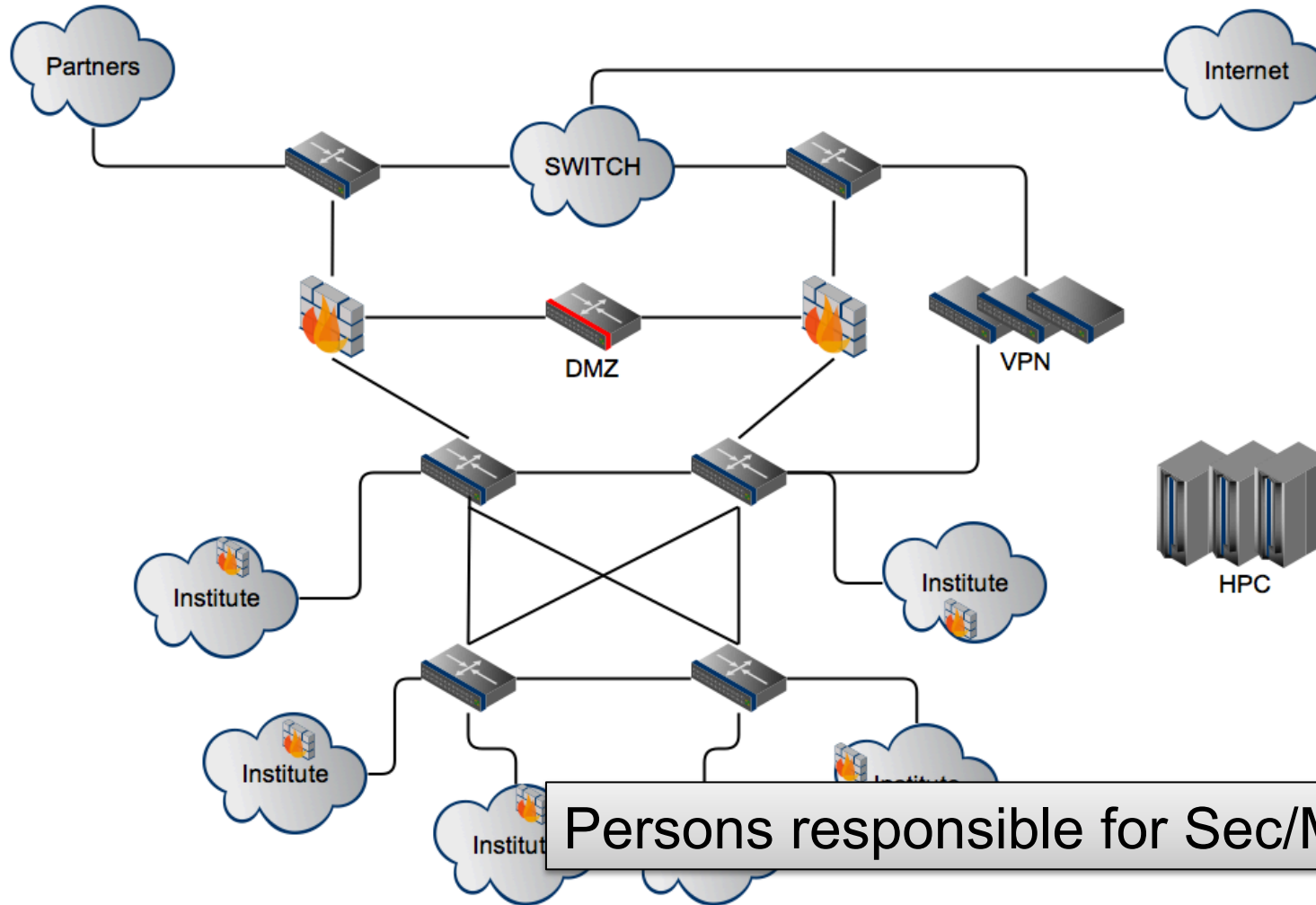
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Agenda

- > Network infrastructure
- > Why using QRadar
- > Integration
- > Experiences and RFIs

Network overview



Institutes: 160
Students: 16'257
Employees: ~5000
Router: 27
Switches: 600
WiFi AP: 870
Firewall/VPN: 50
Windows: 8200
Mac OS: 3500
Linux: 2000
Printer: 950
Ports: >34'000

Persons responsible for Sec/Mon/Log: 2 😊

Why using Qradar?

- > What happens within our network?
 - From decentralization to centralization

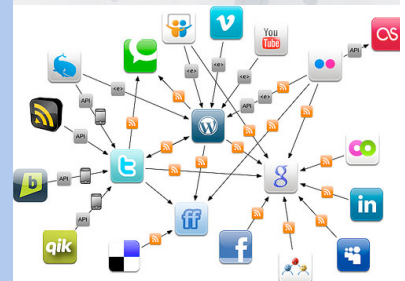
- > Is it dangerous?
 - Malware infections
 - System breaches
 - Scanners

- > Who did what yesterday or half a year ago?
 - Public networks
 - Forensics investigation

- > Keep administrative overhead low

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Integration

1. Security relevant information to track user within the network
 - Username, IP, MAC
 - NetFlow and Syslog
 - Firewalls, Routers, AD, RADIUS, VPN, MPP (Public Wireless)

2. Security relevant events from all systems
 - Login and configuration changes

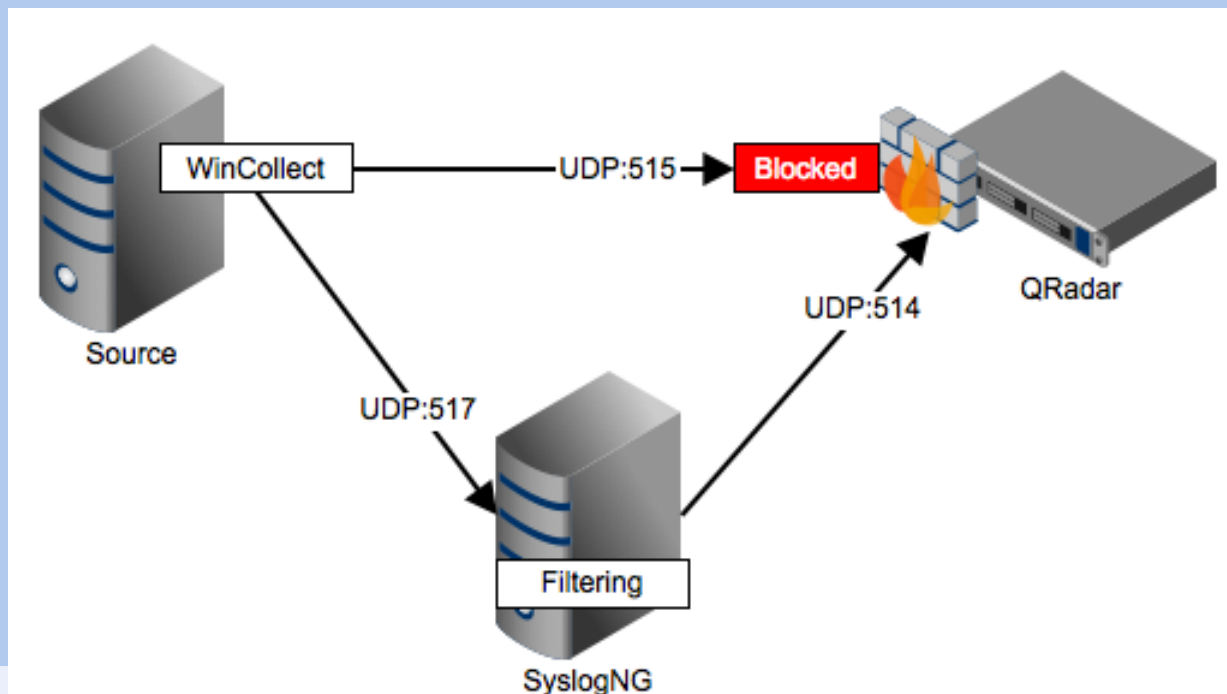
3. IDS, Honeypots and other cool stuff

Where are we now?

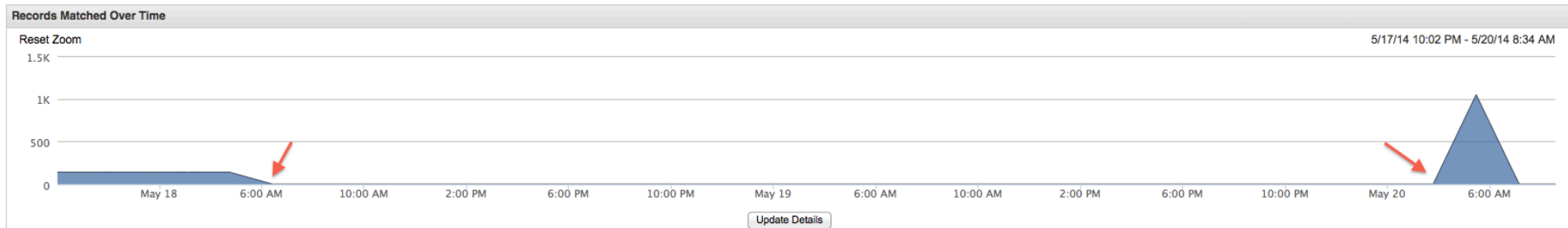
- > At the beginning...
- > All-in-One running since Nov 2013
- > User tracking within network possible
- > Tuning at 80%
 - Some tricky offenses that need identification
 - A heterogeneous and decentralized network doesn't make it easier

Problems / Workarounds

- > Money matters and so do EPS
 - Tuning the source to only send what's needed is sometimes tricky
 - WinCollect and AD
- > No DSM for FreeRADIUS

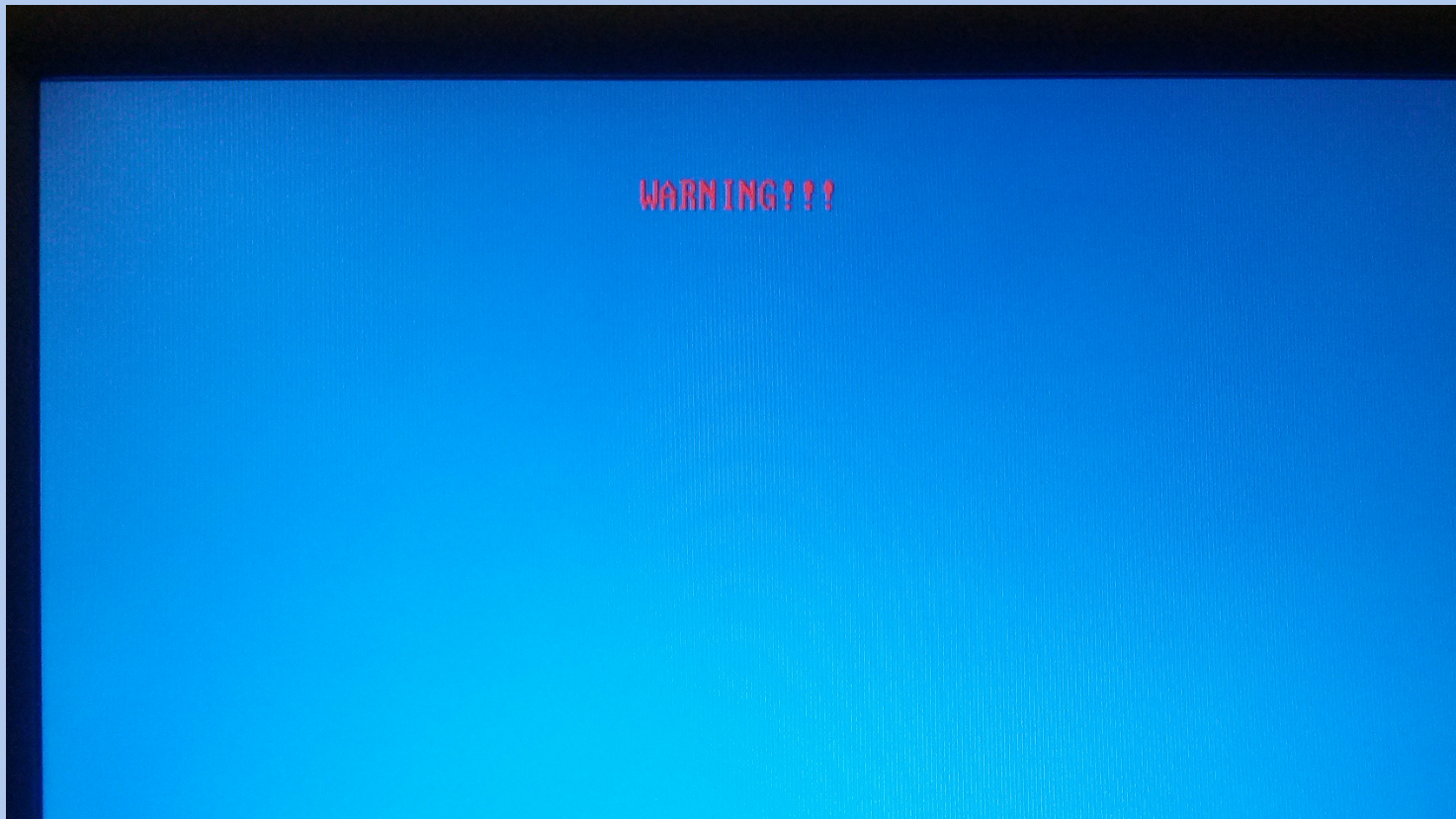


TLS-Syslog with SyslogNG



- > Event collection suddenly stops
- > After period of time all missed events are indexed at once
- > Support case open

Screen Vs. Remote Session



Screen connected to VGA port

Screen Vs. Remote Session (2)

```
*****  
                               WARNING!!!  
*****  
  
This system already has partitions with data.  
The installation process will erase all partitions on all drives!  
  
NOTE: If you have just installed our software, please reboot and ensure  
       to boot from the drive instead of installation media.  
  
*****  
If you do not wish to continue, type REBOOT or HALT at the prompt.  
  
If you wish to install, type FLATTEN. To perform a full disk erasure, type WIPE.  
*****  
What would you like to do: halt, reboot, flatten or wipe system?  
-
```

Screen redirection through ILOM

Request For Improvement

- > GUI
 - Printing (not working in all views)
 - Server Discovery (crash on E-Mail-Server discovery)

- > Search
 - Should be more intuitive (like Splunk 😊)

- > Edit already applied filters

Questions?

