



Security Track

#BNC2017

Cyrille Bollu
Elke Dierckens
Fernand De Decker

Agenda of the Security Track



- Security as a Service: the final results (Elke Dierckens)
- Project ISMS (Cyrille Bollu)
- Security projects within Belnet (Cyrille Bollu)
- Security initiatives (Fernand De Decker)
- Your questions!



SECAAS - RESULTS

Elke Dierckens



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SecaaS – Goal study



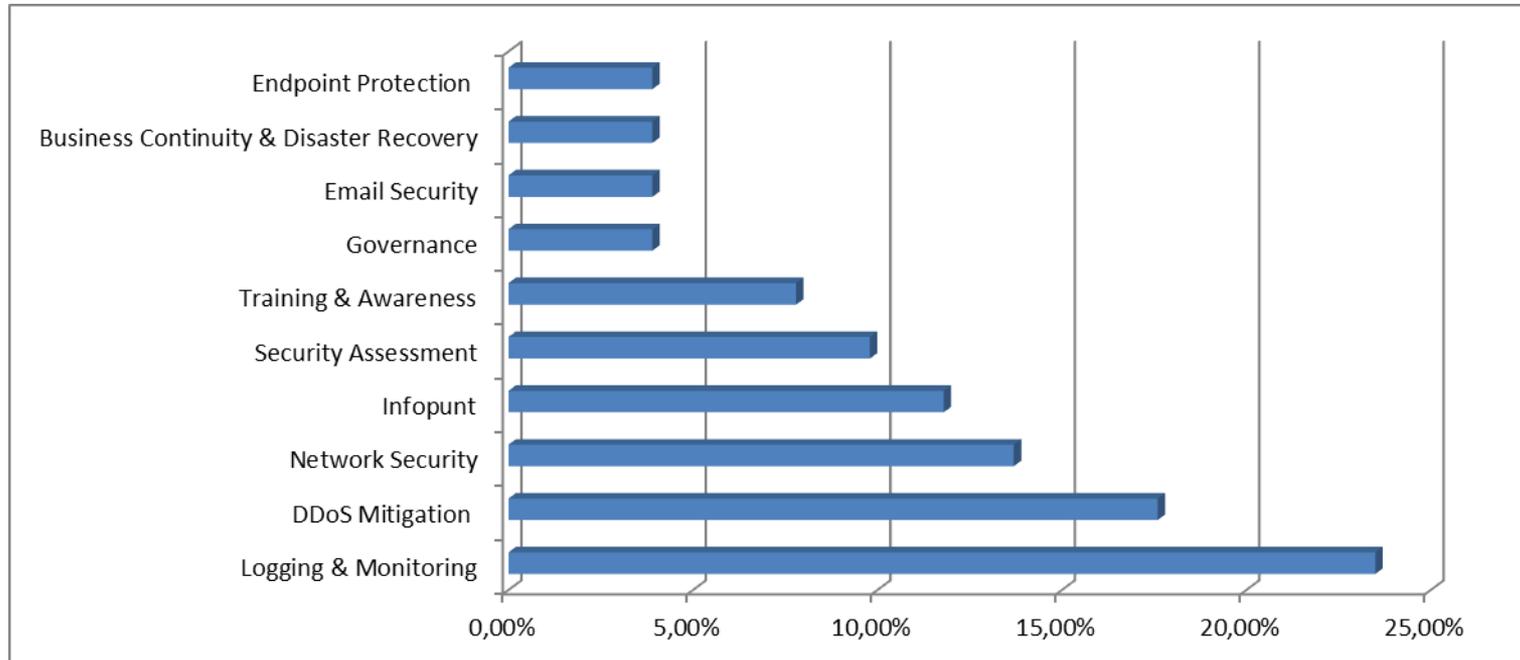
- Detect needs of the customers
- To extend our offering and strengthen our partnership

SecaaS – Method



- Target group:
 - Belnet customer base
 - Vendors
- Interviews + survey
- Vendor market study
- Workshops (including customers & security experts)

SecaaS – Results interviews Wishlist



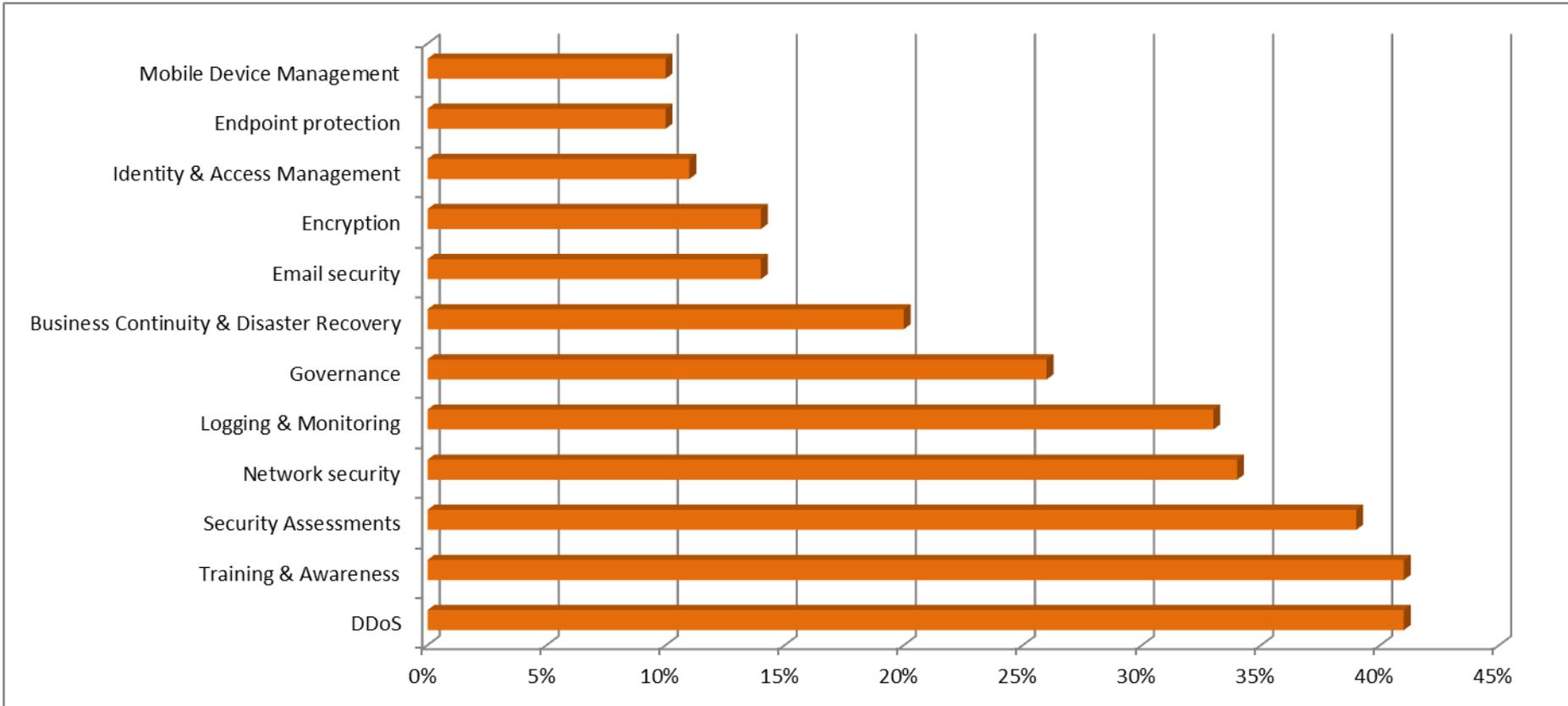
SecaaS – Results interviews

Pointers for Belnet



- **Modular:** every customer is different
- **Trust:** Belnet is viewed as a trusted partner
- **Added value:** Belnet needs to show the added value of their solutions
- **Budget:** most customers have a limited budget

SecaaS – Results survey Wishlist



SecaaS – Conclusions study

Top 5 services



- DDoS Mitigation
- Training & Awareness
- Security Assessments
- Network Security
- Logging & Monitoring

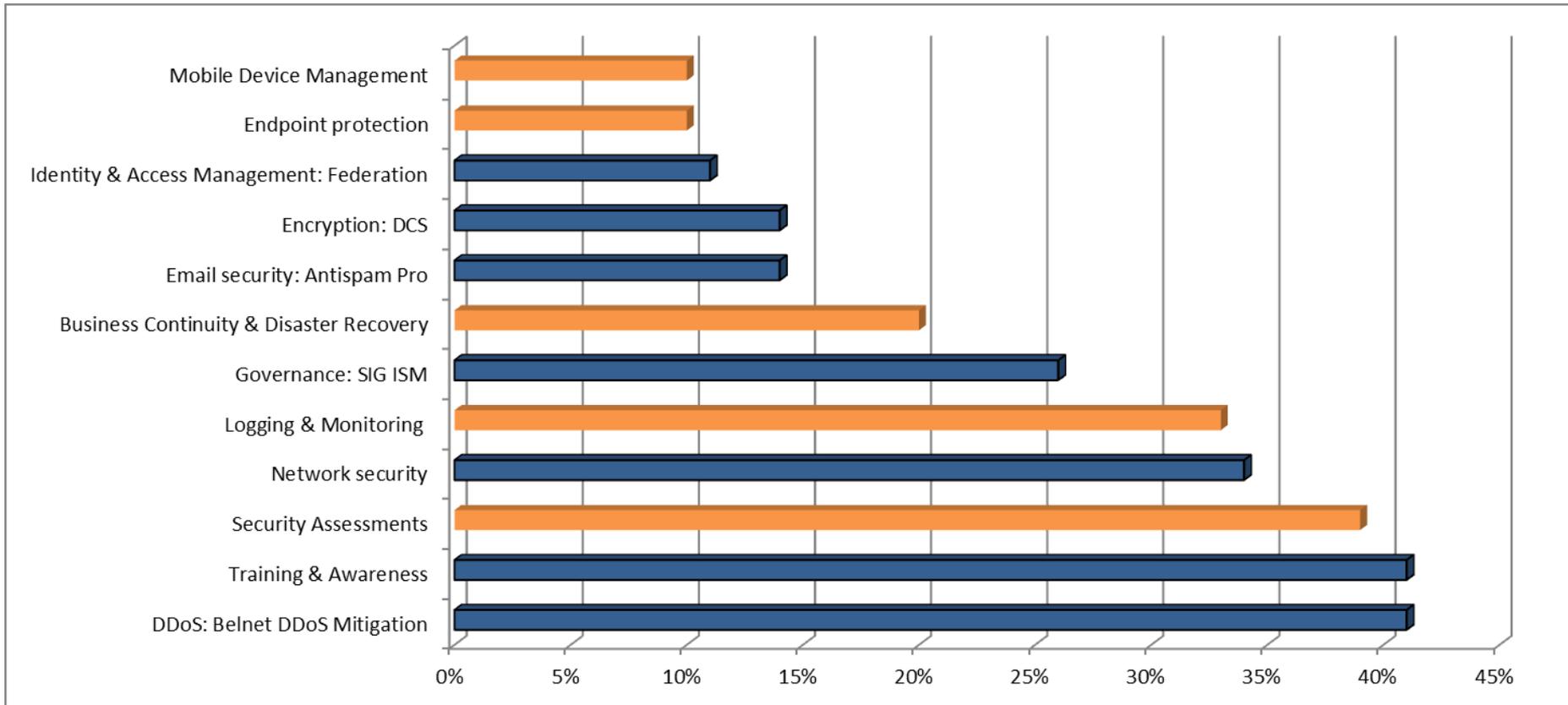
SecaaS – Conclusions study

Main focus for Belnet



- SIEM as a service
- Training
- Awareness
- Knowledge community

What has Belnet already done for you



What has Belnet already done for you



Focus on **awareness**

- Representation in the Cyber Security Coalition
- Campaigns
 - ➔ Information on www.safeonweb.be
- Expanding our contact database

Gather **expertise**

- Representation in workgroups

Next steps



- Awareness initiatives
- Share & gather expertise
- Service portfolio (Service Board)
 - Even more focus on security
 - DDoS: investigate other features (~ Network security)



SECAAS – QUESTIONS?

Elke Dierckens



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BELNET ISMS PROJECT WHY AND HOW

Cyrille Bollu
ICT & Logistics
ISO27001 Certified ISMS Lead implementer



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What is an ISMS?



What is an ISMS?



- An ISMS (Information Security Management System) is:
 - A set of:
 - Policies
 - Organisational structures
 - Planning activities
 - Responsibilities
 - Procedures
 - Processes
 - Resources
 - That allows an organisation to manage its information security

[http://standards.iso.org/ittf/PubliclyAvailableStandards/c066435_ISO_IEC_27000_2016\(E\).zip](http://standards.iso.org/ittf/PubliclyAvailableStandards/c066435_ISO_IEC_27000_2016(E).zip)

Why an ISMS project?



Why an ISMS project?



- Increasing customer expectations
- Increasing threats
- New laws and regulations

Why an ISMS project?



- Increasing customer expectations
- Increasing threats
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How is it going?



How is it going?



- Project started on February 22
- ISO27001 as framework
- Key stakeholders trained
- Ongoing top-management reflection
- Concrete security improvement plan by the end of this year.
- Implementation of the security improvement plan in 2018

Sneak preview



- Customer trust at the center
- Continuous improvement
- Risk management
- Self-assessment



BELNET ISMS PROJECT QUESTIONS?

Cyrille Bollu
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ISO27001 Certified ISMS Lead implementer



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OTHER ONGOING INFORMATION SECURITY PROJECTS WITHIN BELNET



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Vulnerability management



- Objective:
 - Standardize and streamline vulnerability management practices
- Goals:
 - Faster and more reliable vulnerability management process
 - Better protection of our infrastructures
 - Customer data are safer
- Status:
 - 2017HY1: PoC with several vendors
 - 2017HY2: Purchase solution
 - 2018HY1: Implementation

Central logging



- Objective:
 - Centralization of logs for security purpose
- Goals:
 - Better correlation
 - Faster detection of information security issues
 - Foundation for a SIEM
- Status:
 - Context analysis done
 - Market study ongoing
 - Tool selection by end 2017
 - Implementation during 2018HY1

Netflow operational excellence



- Netflow provides:
 - High-level view on IP traffic
 - Anomalies and misbehaviors detection
 - Support for the configuration and fine-tuning of our DDOS service
- Improvement project:
 - Add IPv6 support
 - Lower CPU load impact
 - High availability
- Planned end: December 2017



ONGOING INFORMATION SECURITY PROJECTS

QUESTIONS?



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SECURITY INITIATIVES

Fernand De Decker



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International collaboration



TF - CSIRT

Incident Response
Teams

- ❖ Trusted Introducer
- ❖ Conferences
- ❖ TRANSITS trainings

SIG - ISM

NREN
Security Officers

- ❖ Inventory
- ❖ IS Management
- ❖ Risk register NREN

WISE

E-infrastructure
Security Officers

- ❖ SCI framework
- ❖ Awareness & Training
- ❖ Risk Assessment
- ❖ Security in Big and Open Data

International collaboration - II



Global NREN

FIRST Academic

TF - DPR

NREN
security officers

NREN and Academic
security officers

NREN privacy and
legal officers

- ❖ Security Baseline
- ❖ DDOS filtering
- ❖ Crisis Exercises
- ❖ Automated Threat Information

Cooperation with and
between Academics

GDPR: prepare for
May 2018

CLAW crisis management workshop

National Initiatives



Cyber Security Coalition

Public, Private,
Academic

- ❖ Share Knowledge
- ❖ Promote Expertise
- ❖ Policies & regulations
- ❖ Raise Awareness
- ❖ Cross-Sector

BELNIS

Security Experts
Federal Agencies

- ❖ Incident response
- ❖ Security Intelligence
- ❖ Cyber Security Strategy
- ❖ Advise
- ❖ Close Group/No-Ops

Security Advisors

Security Advisors

- ❖ Sharing
- ❖ Networking
- ❖ Lobbying
- ❖ Close Community

Links



TF - CSIRT: <https://tf-csirt.org/>

SIG – ISM: https://www.geant.org/Innovation/SIG_TF/Pages/SIG-ISM.aspx

WISE: <https://wise-community.org/>

FIRST Academic: <https://www.first.org/global/sigs/academicsec/>

Cyber Security Coalition: <https://www.cybersecuritycoalition.be>



SECURITY INITIATIVES END

Fernand De Decker



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Thank you
for your attention

Beinet
dedicated connectivity



Belnet
dedicated connectivity



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