



govroam

Belnet – 15/03/2016

Els Lemmens, Belnet Federation Manager
Nicolas Loriau, Belnet Technical Advisor



.be

Agenda Thu 15 March 2016

13:30 Welcome

14:00 govroam: overview, principles, benefits

15:00 Break

15:30 govroam: Technical Workshop

17:00 Drink

Roundtable

- **Name and organization?**
- **Experiences with Belnet?**
- **Expectations for today's workshop?**

govroam: Overview, Principles, Benefits

Els Lemmens



.be

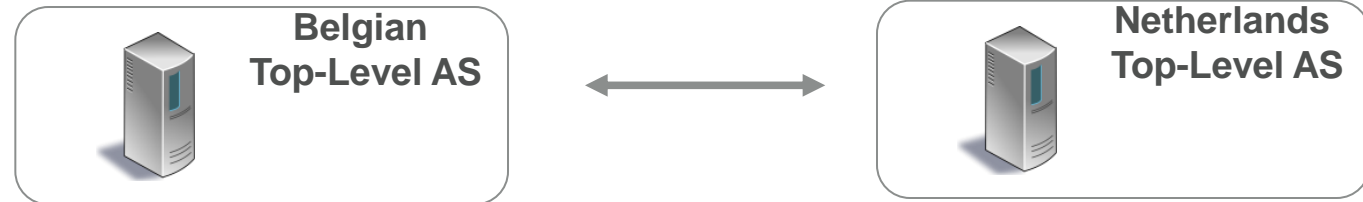
What is govroam?

- a wifi community
- for the public sector
- based on mutual trust
- you share – completely secure – a part of your wifi network with visitors
- in return, on their premises, you benefit of their wifi
- comparable to Belgacom Fon or Telenet/VOO homespot

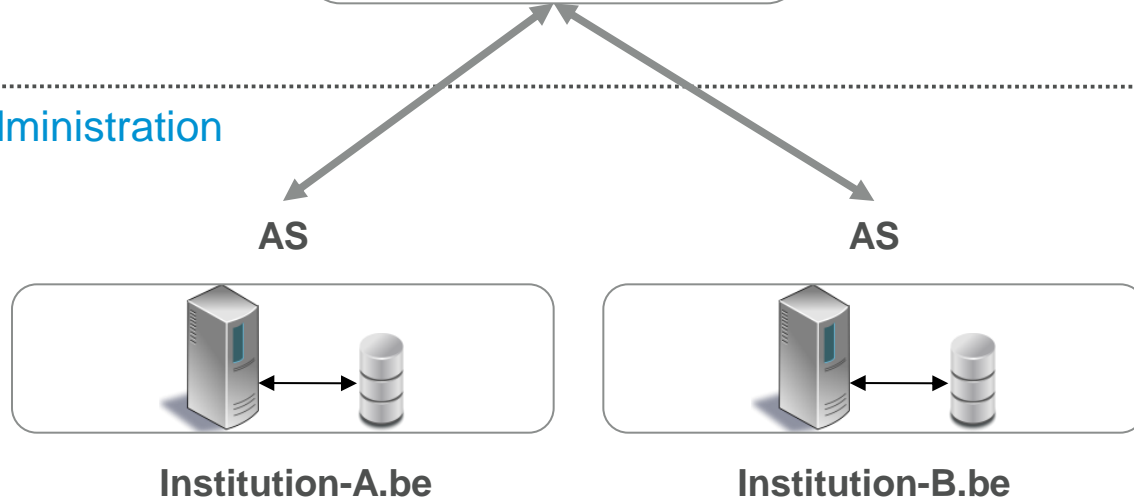
Principles

Hierarchy of authentication servers

Federation



Administration



Principles

- **govroam is:**

- A hierarchy of RADIUS servers
- A trust-based relationship between members
- An agreement on roaming technologies

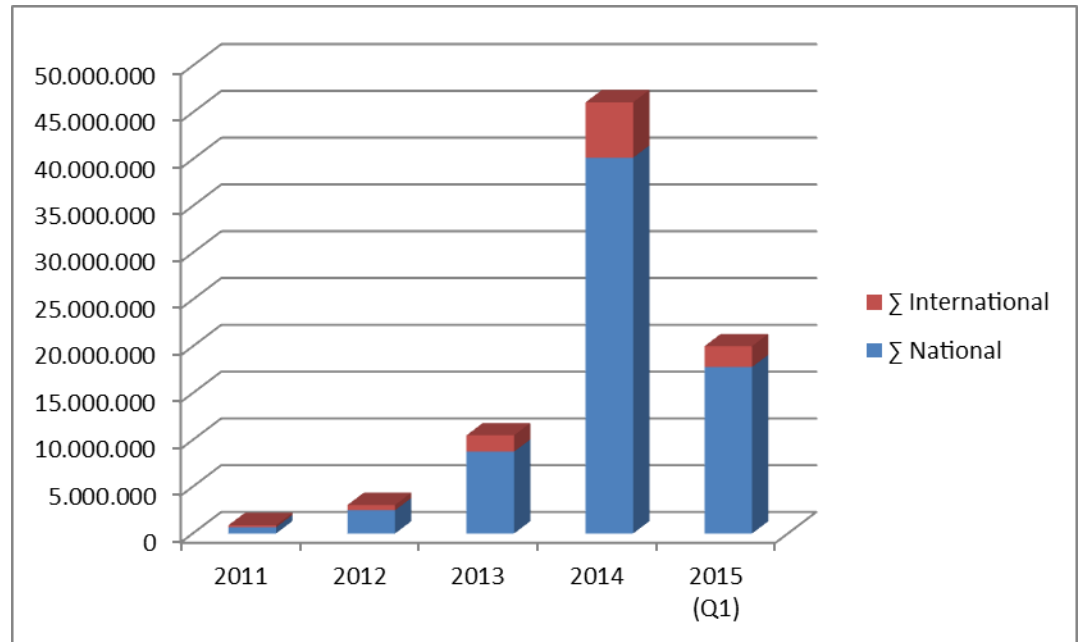
- **Chain of trust:**

- Your only point of interaction is Belnet
- All direct peers are known
- Agreement on authentication protocols & methods

Proven technology

- **Based on eduroam**

- R&E community
- Since 2002
- >80 countries
- >20M users



“open your laptop and be online”

Benefits

- **Secure**
- **Ease of use**
- **Cost efficient**

govroam

Practical information



.be

Roles

- **Identity Provider (IDP)**
 - Manages user database
 - Enforces AUP
 - “Responsible” for own users
- **Service Provider (SP)**
 - Broadcasts govroam ssid
 - Offers sufficient bandwidth
 - Forwards authentication requests

Responsibilities

- **You**

- Wifi exploitation
- Authentication of own users
- Pass through of visitors

- **Belnet**

- Trusted 'broker'
- Contract – AUP - registration
- Forwards authentication request and response
- Sees no traffic

Cost

- **Set-up Fee**

- 2,500 €

- **Annual Fee**

#employees	<50	<500	<5000	>5000
Annual Fee	500 €	1,500 €	2,500 €	4,500 €

- **Administration Fee**

- 500 € (name or domain name change)

- **VAT excl.**

- **Which organizations can join govroam?**

- All public services
- connected to Belnet

- **What with visitors?**

- If their organization is on govroam, they can access the wifi.
- If not, you still need to give them visitors access

- **Is govroam secure?**

- The authentication is secure
- The communication is still wifi, so use encryption or VPN

FAQ 2

- **Can we limit bandwidth to visitors?**
 - Yes, you can
 - But give them enough bandwidth to work comfortable 😊
- **Can visitors access our intranet?**
 - Only if you allow them
- **Difference between govroam and eduroam?**
 - Same technology and philosophy
 - Different communities

FAQ from users

- **I forgot my login or password**
 - Contact your own IT service
- **govroam is not working**
 - 1st Contact your own IT service
 - 2nd contact the local IT service of the place you visit

So you are interested in joining?

- Apply to servicedesk@belnet.be
- With the following information:
 - Name of your organisation
 - Number of employees in your organisation
 - Name and function of person signing
 - Name and coordinates of min. 2 technical contactpersons
- We'll send you a contract and AUP document

Q&A

- **More information?**

- <http://govroam.be/>
- <https://vimeo.com/152987961>