AD migration in the South

Who am I?

- Luk Claes
- Team Lead IT Systems Group
  ▸ Ghent University
- Debian Developer

Challenges from the past

- Samba packaging in Debian
  - ▸ Release process
- cifs-utils
  - ▸ DFS links

Last year

- Talk about Samba (with GPFS) at our university

Development cooperation

- VLIR: Flemish universities
- IT: infrastructure and services

Context

- Development cooperation
- Universities
- Carribean island

What use for Samba?

- File serving
- Currently Windows AD domain
  - ▸ Licensing costs →
    consider Samba AD domain

Challenges

- DNS
- Administration tools
- Group policies (GPO)
- Trusts
- Enumeration speed
- Bandwidth

DNS (replication)

- Reverse DNS
  - ▸ dns_update
- ~~SOA entry for additional DC~~

Administration tools

- Graphical tool (used to Windows)
  - ▶ Samba-Gtk?
  - ▶ Django frontend for samba-tool?

Administration tools

- samba-tool
  - ▶ subnet creation/removal
  - ▶ listing

Group policies

- Linux GPO
  - ▸ Proxy settings (remember bandwidth)
  - ▸ Password settings

Trusts

- Trust of Windows AD domain
- Multiple domains

Enumeration speed (member server)

- idmap rid backend
- Large groups

Bandwidth => WSUS

- Windows Server Update Services
  - ▸ Windows updates 'cache'
- Samba server with WSUS role?

Questions?

- Also reachable at Luk.Claes@UGent.be