EUROFER's implementation of Asterisk

Gautier Hankenne

- European Confederation of Iron and Steel Industries

- Various members throughout Europe (EU27)

- About 30 employees

- Phone calls all around the globe

- Landline & cellular phone calls

- Open Source servers for a long time

Who am I? - Asterisk, easy as a, b, c...

- Graphist of the company...

- ...becoming the IT assistant as well

- Strong point for knowing Asterisk:

    - Curiosity

    - Knowledge of Linux

    - Interest in telecommunication

    - Happy to learn and teach myself

Why?

- Open Source
- Autonomy
- Flexibility
- Limitless features
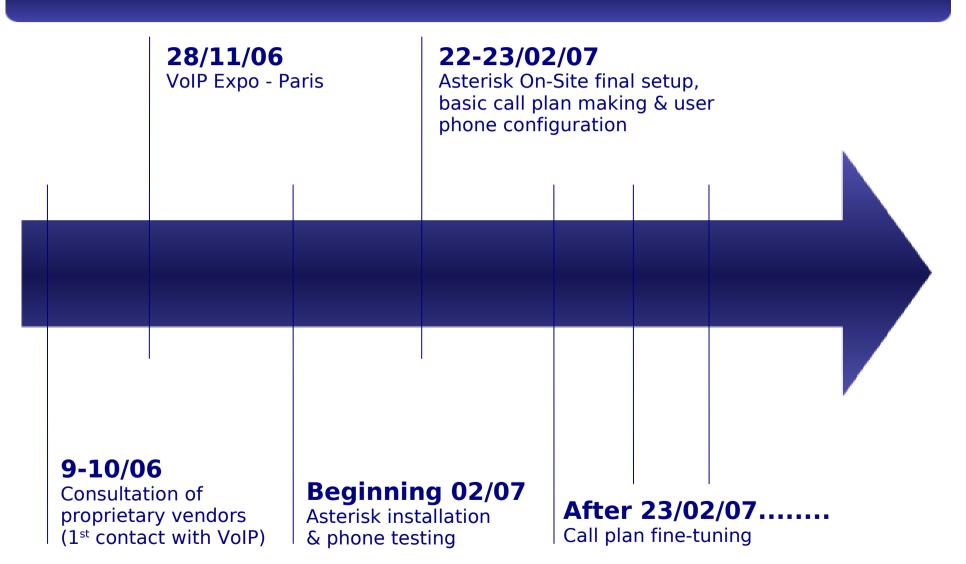- Choice of hardware
- Cost
- EUROFER's office relocation

- EUROFER IT manager was required for machine installation

- External Consultant was required for Asterisk installation & first setup

- Asterisk administrator was needed to setup each user (sip.conf, voicemail.conf), user phone & call plan (extensions.conf)

Project timeline

28/11/06
VoIP Expo - Paris

22-23/02/07
Asterisk On-Site final setup,
basic call plan making & user
phone configuration

9-10/06
Consultation of
proprietary vendors
(1st contact with VoIP)

Beginning 02/07
Asterisk installation
& phone testing

After 23/02/07........
Call plan fine-tuning

Important to check!

- PCI Slot Type

- No shared IRQ

- Compatibility with other hardware (ISDN cards, ...)

- Phone quality

- Special features documentation (i.e. monitoring extension state)

- Lack of standards for those features

- Too recent hardware

- QoS

- VoIP Provider

- Server in Production

- My Knowledge

- TIME!

- PoE + 2nd port

- Usability

- Features

  - personalisation

  - extension monitoring

- Ease of update

- QUALITY!

- Tested phones:

  - snom 320 & 360

  - AT 320

  - Polycom IP320

  - TIGER IP 0027

  - DECT on TIGER Gate 102

Advantages

We had them all...

The Future…

- Call Plan rewriting:
  - Better implementation of conference rooms
  - Mobile Gateway
  - PDA Phone integration with SIP software
  - Better integration of our address directory (LDAP) for speed dial numbers
  - Call divert

Learning Resources

- EYEPEA

- VoIP Expo

- « Asterisk » Book (O'Reilly)

- Our Consultant (TOOTAi)

- http://www.voip-info.org/

Questions?

Thank you for your attention!

Any questions?

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