

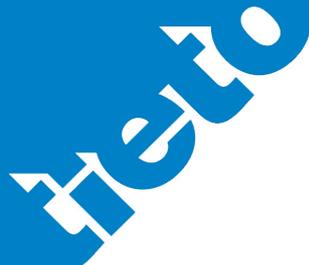


Openness to the Enterprise

Tieto and Ubuntu

Markus Mannio

Lead Open Source Advisor
Tieto
markus.mannio@tieto.com



Who is Markus?



- **Now**

- Tieto and open source (since 2010)
- Business, community, governance aspects

- **Past**

- Tieto, TUT, Nokia, Intellitel, LUT, ...
- Various tasks around software
- Doing research (on varying topics)

- **Other**

- Linux hobbyist since 1997 (Slackware -->)
- Couple of kids and wife

Tieto Facts

- Operations in close to **30 countries**
 - About **18 000** IT experts
 - Net sales EUR 1 828 million in 2011
 - Listed on NASDAQ OMX Helsinki, Stockholm
 - Founded in 1968
- Leading IT service provider in Northern Europe
 - #1 in IT services in Finland
 - #1 in project services in Finland
 - #1 in telecom R&D in Europe
 - Accounting hydrocarbons globally
 - Developing PS3 software



Today's Journey

1. History
2. Revelations
3. Ubuntu and Tieto
4. Future Steps
 - ... and some more secrets



History

- **Linux desktops *always* used in Tieto**
 - Preferred desktop for many persons
 - Linux enabled or boosted specific R&D tasks
- **Additionally *major* Linux business use**
 - Linux in servers, more recently mobile & embedded
 - Linux in production and internal environments
 - R&D work around Linux-based platforms
- **... but no common Linux desktop!**



Revelations

1) We could use a common distro

- Distros grown from Tieto community of users
- Did not achieve a wide user base

2) We could use something more ready

- Customize to Tieto corporate environment
- Manage properly and organize support

→ This looks good!

Tieto

Behold Ubuntu on Tieto Desktop!



ubuntu® 

Tieto

And It Worked Well!



Take-off



1) Deployed globally

- CDs, images, USB sticks, e-learnings, wiki, IRC, etc.
- Very small and agile development team

2) Currently some 600 users

- Mostly developers on desktops and laptops
- Tieto community support emerging

3) Very positive user feedback!

Under the Hood

1) Centralized workstation management

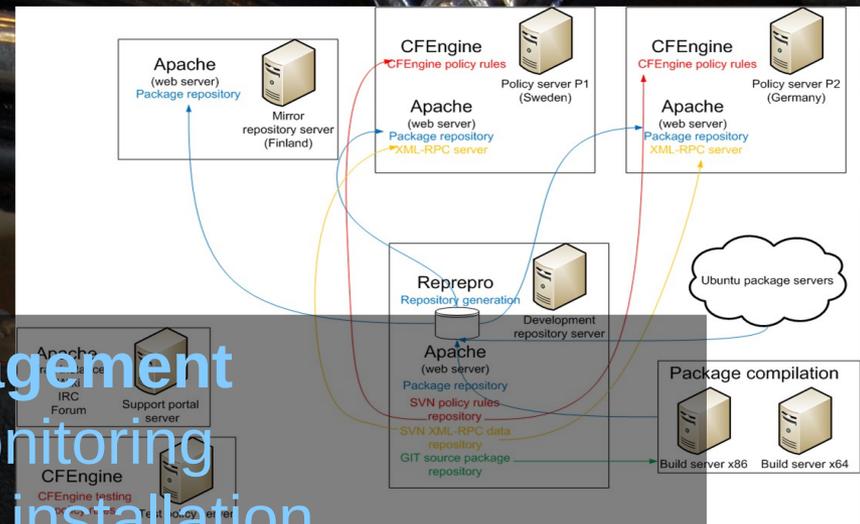
- System configuration and monitoring
- Patch, upgrade and package installation

2) Integrations to corporate services

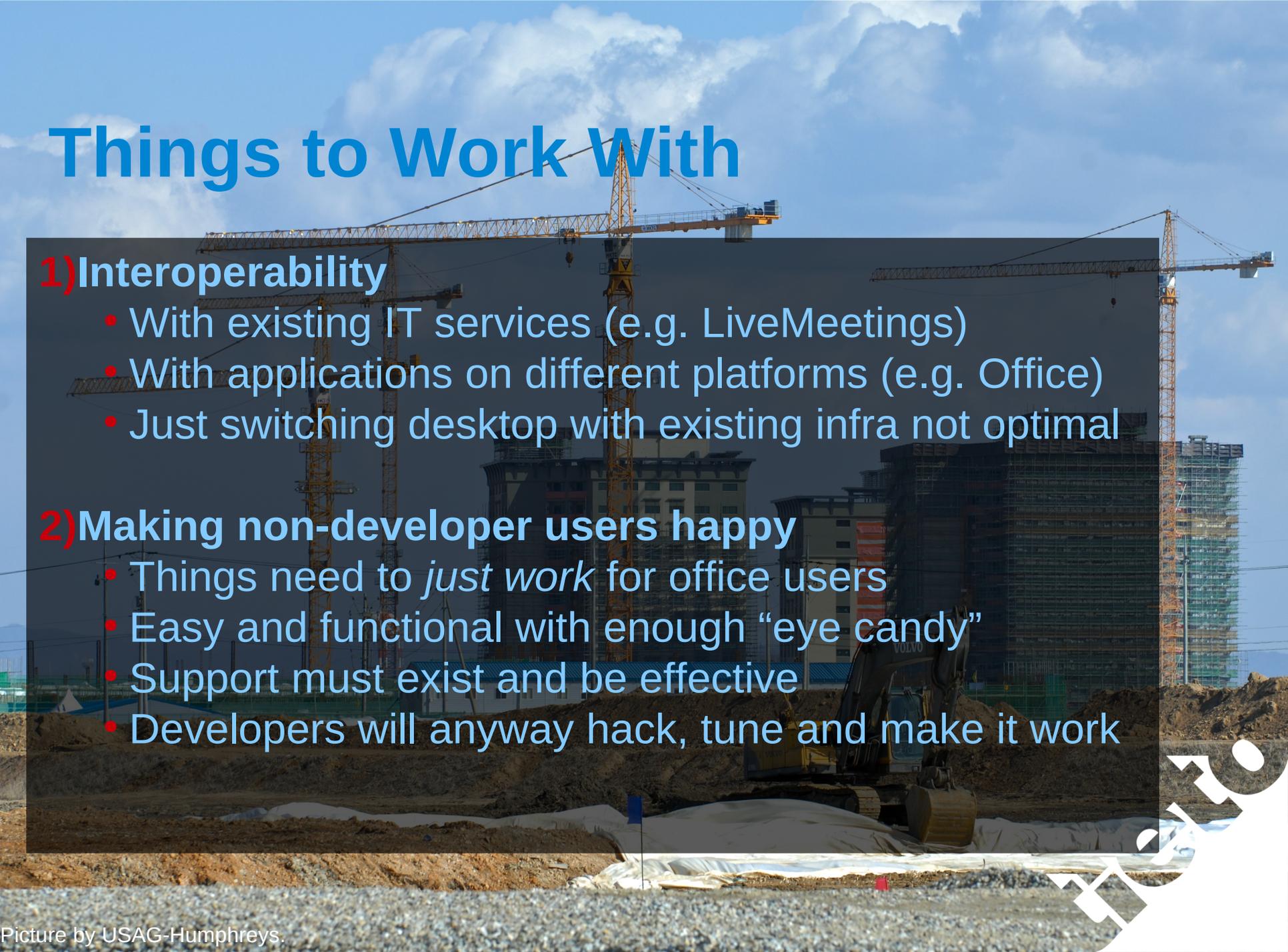
- Email, IM, Calendar, AV, Printing, VPN, LDAP/AD
- Things to do here - desktop not separate from infra

3) Automated development tasks

- Continuous integration and testing



Things to Work With



1) Interoperability

- With existing IT services (e.g. LiveMeetings)
- With applications on different platforms (e.g. Office)
- Just switching desktop with existing infra not optimal

2) Making non-developer users happy

- Things need to *just work* for office users
- Easy and functional with enough “eye candy”
- Support must exist and be effective
- Developers will anyway hack, tune and make it work

Revelations, Continued

3) Someone else might also be interested in this

- Linux on enterprise desktop as a service
- Operating system installation and management
- Centralized workstation management
- Patches, upgrades, monitoring, support, reporting
- ITIL service management practices
- Combined with other IT services

etc

Future

1) Deploying 12.04 (1H/2012)

2) More users (early stages still)

3) Talking to others

UIC

...ed the machine the STURGEON.
...ere first manufactured in 1932.
...n-line encryption/decryption, with high speed
...standard teleprinter, although some models of

More Tieto Secrets, Anyone?

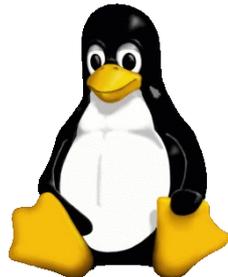


 SIEMENS GEHEIMSCHREIBER
T-TYPE 52D CIPHER MACHINE
GERMAN, CA. 1935
ON LOAN TO THE NATIONAL CRYPTOLOGIC MUSEUM
FROM
THE GOVERNMENT OF SWEDEN

Tieto

Tieto Does Open Source

- **Partners and Technologies**
 - Linux Foundation, Eclipse Foundation, Qt, Red Hat, ...
- **Contributing**
 - Linux Kernel (e.g. drivers, Kexec, ext4, IP stack)
 - Projects (e.g. PulseAudio, ALSA, BlueZ, Qt)
- **But we cannot really talk about many of these ...**



Alliance
Partner



Journey Continues, Things to Take With You

- 1) Ubuntu is ready for enterprise!!!
- 2) Everything cannot be solved on desktop
- 3) Tieto does Linux and open source

QUESTIONS ?

