Open Source in the City of Vienna

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Agenda

- **The City of Vienna in ICT - numbers**
- **History of Open Source in Vienna**
- **OSS on servers**
- **OSS on the desktop**
  - **Study STOSS**
  - **WIENUX & OpenOffice.org2**
- **Lessons learned**
- **Questions?**

The city of Vienna in ICT numbers

- **62.000 civil servants**
- **470 employees in the ICT department**
- **1 Host system (IBM zOS)**
- **3 SAP systems (SAP, Oracle, AIX)**
- **500 application- & fileservers (Unix/Linux or Windows 2003 Server)**
- **300 connected networks = locations in Vienna**
- **18.500 PC's as workstations**
- **7.500 network printers**
- **900 notebooks**
- **Ca. 350 applications (8.000 components)**

History of Open Source in Vienna

1989: **Start of working with Unix & Open Source for development**

1991: **City of Vienna in the internet with TCP/IP Development environment for Unix with GNU Open Source**

1993: **First internal webservers**

1994: **Samba as fileservers for the City of Vienna**

1998: **Start migration FreeBSD -> Linux (**Kernel v.2**)**

History of Open Source in Vienna II

1999: Stepwise migration from FreeBSD to Linux. Some development workstations with Linux

2003: First large open source project from the City of Vienna (*vie***W4** - web collaboration)

2004: Study STOSS => Linux on workstations. Start development WIENUX (Debian Sarge)

2005/Q3: WIENUX shipment starts, OpenOffice.org2 for the City of Vienna is ready.

2005/Q4: Decision OSS DB: PostgreSQL

OSS on servers

- **Starting 1994 with FreeBSD (Samba, Web & Firewall)**
- **Switching to RedHat 7.0 on Compaq/HP Proliant in 2000**
- **Now: ca. 200 servers in production with RedHat EL 3.0>**
- **Use:**
  - **Webserver**   **15**
  - **Firewall**   **20**
  - **Applicationsservers (Perl, C, Python, Java)**   **15**
  - **Fileserver (Samba)**   **80**
  - **DB Server (Oracle, PostgreSQL)**   **10**
  - **VAX/VMS emulation on Linux**   **50**
  - **Metadirectory**   **10**

Study: OSS on workstations

- **Thinking of the "Linux Desktop" since 2001 (yearly location decision)**

- **Base: Operating system and office suite are productiv and stable**

- **Political motivation from Munich**

- **Detailed study as project STOSS**

  - **Q4/2003 - Q3/2004**

  - **(STOSS means "STudie Open Source System")**

Study: OSS on workstations II

- **Conclusion:**
  - **1.100 SW products installed**
  - **7.500 PC's without MS-Office dependency**
  - **4.800 PC's without MS-Windows dependency**

- **3 scenarios:**
  - **MS-Windows & MS-Office**
  - **MS-Windows & OpenOffice.org2 (7.500 PC's)**
  - **Linux & OpenOffice.org2 (4.800 PC's)**

OSS on the desktop: WIENUX & OpenOffice.org2

- **Technical aspect:**
  - **Integration of Linux & OpenOffice.org2**
  - **Coexistence of 2 platforms**
- **Economical aspect:**
  - **"gentle" migration path:**
    - **OpenOffice.org2 as "second option"**
- **WIENUX workstation in parallel to MS-Windows**
  - **Customers can decide!**
  - **WIENUX is cheaper!**

OSS on the desktop: WIENUX & OpenOffice.org2 II

- **OpenOffice.org2 for MS-Windows (rollout since Q3/2005)**

- **Product: WIENUX workstation (since Q3/2005)**
  - **Debian "Sarge"**
  - **KDE 3.4, SAP GUI, Java, Open Office, Firefox**
  - **Kerberos V Logon to MS-AD, LDAP**

- **Support for the private use of OSS products**

- **As of Q1/2006:**
  - **WIENUX: 270 installations (about 1.000 to the end of the year)**
  - **OpenOffice.org2 for MS-Windows: 5.000**

Lessons learned

- **OSS means Open Standards**
- **Support via Internet is better in large projects than closed source**
- **"Clear Box" versus "Black Box"**
  - **Depth of understanding is better**
- **OSS product selection is not always easy**
- **OSS = integration platform**
- **If your knowledge in the organisation is good, it's easier to use OSS**

Questions?

OSS means local revenue
&
OSS means Open Standards

Thank you,

-peter pfläging