



Securing Germany in the World with Open Source

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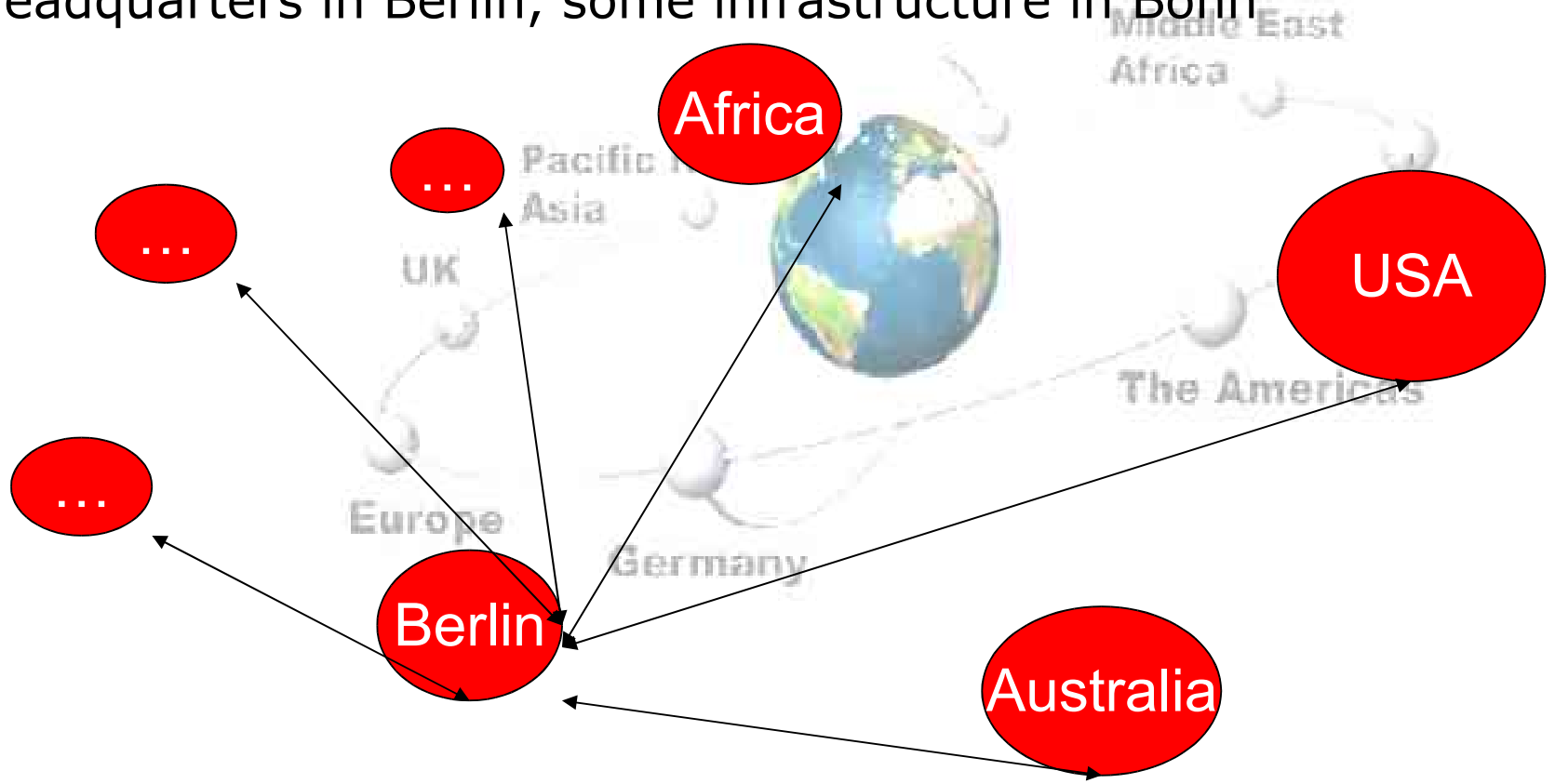
CIO

German Federal Foreign Office, Berlin



Volume and structure

More than 220 German Embassies, Consulates and Representations
Headquarters in Berlin, some infrastructure in Bonn





Status quo in 2001

- ▶ No or minor networking between headquarters and embassies
- ▶ Protocol X.25, ISDN, analog lines, INMARSAT
- ▶ No integrated communication network
- ▶ Communication cost structure: volume, distance
- ▶ Unsustainable communication cost





Ambitious objective:

- ▶ Build a secure world-wide network
- ▶ for well over 10000 staff
- ▶ in 220 locations, sometimes difficult infrastructure
- ▶ until end 2003

Budget constraints:

be cost-effective !





Functional objectives

- ▶ better cooperation capabilities for all users
- ▶ e-mail for all embassies
- ▶ e-mail for each user
- ▶ access to information in a secure, worldwide Intranet for all users
- ▶ Respect security and availability requirements





Further goals

- ▶ Scalability
- ▶ Minimize complexity
- ▶ Efficient operation, monitoring and administration of network
- ▶ Secure remote access and administration

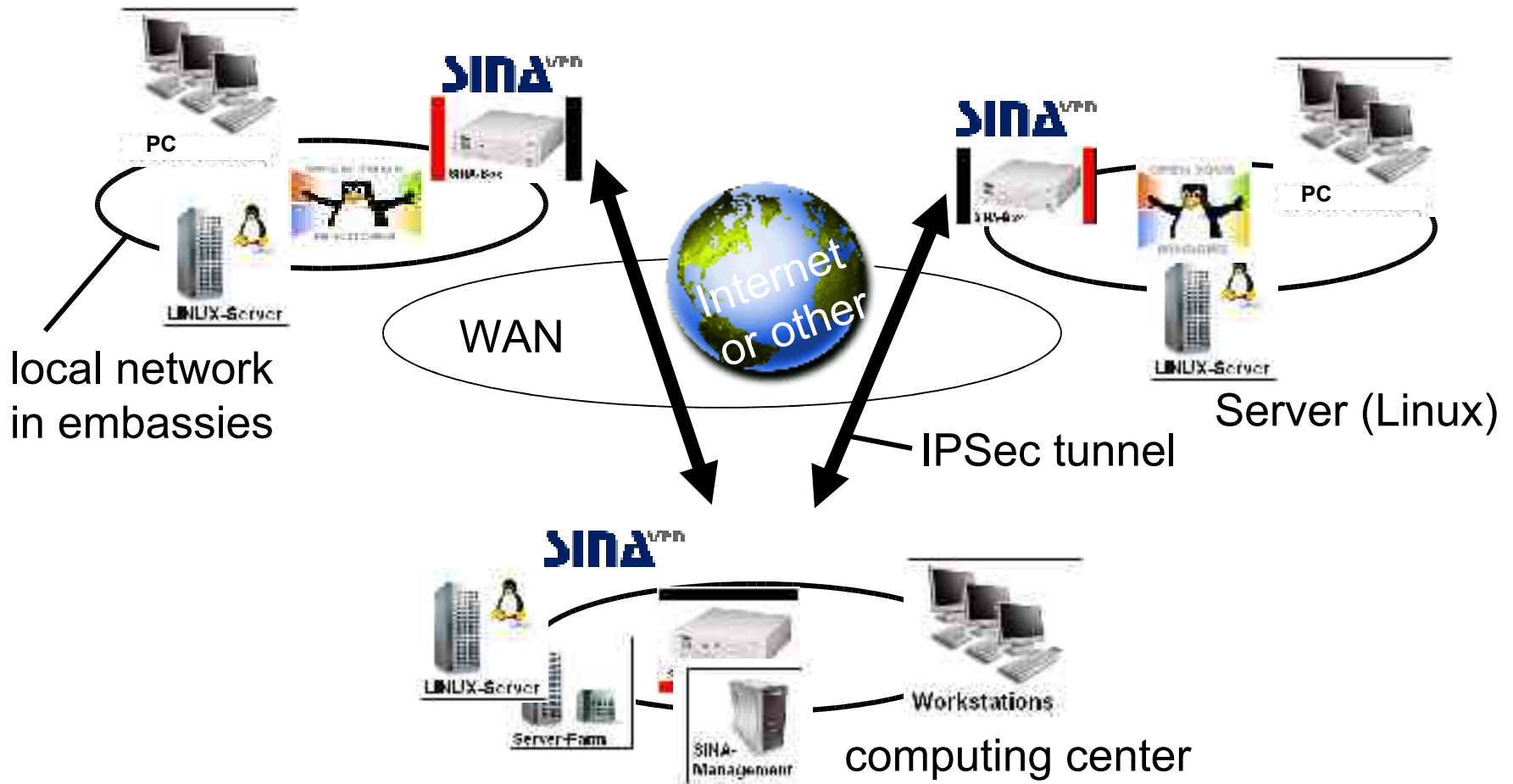




Solution:

- ▶ Use Open Standards and Open Source
- ▶ OpenLDAP, PostgreSQL, Apache, Cyrus, Exim, Samba, SSH etc.
- ▶ Administration: Webmin
- ▶ VPN technology SINA™, based on Linux
- ▶ last but not least: convince IT staff







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