Future plans of DFN Directory Services

Nameflow Meeting,
London, 20. January 2000

Peter Gietz,
DFN Directory Services
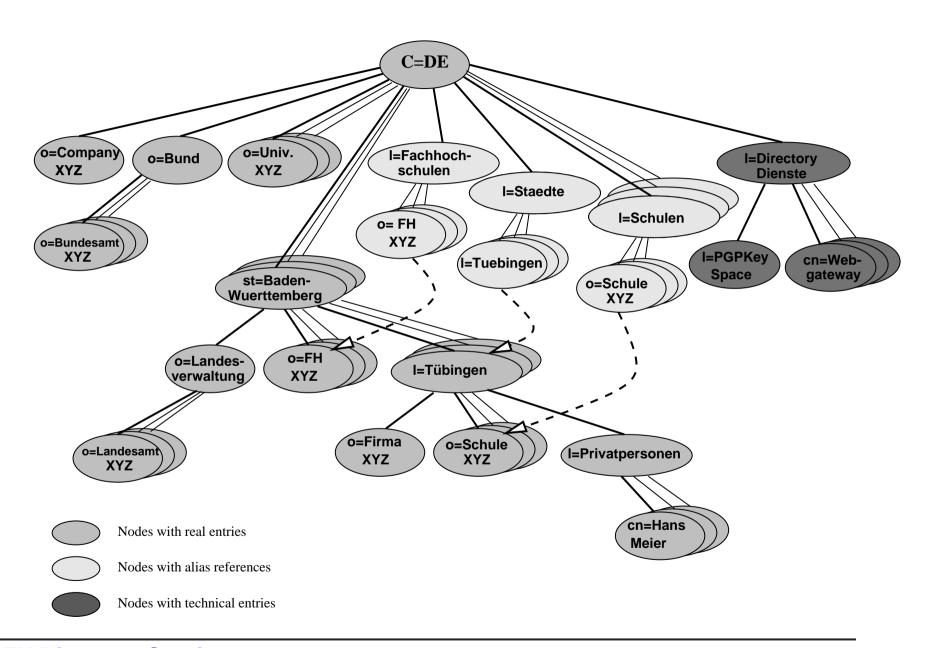
peter.gietz@directory.dfn.de

Agenda

◇ **New structure for c=DE**

◇ **New policy for c=DE**

◇ **Hybrid Directory**

◇ **New research topics**

New Structure for c=DE

◇ **Long international discussion:**
RFC 1255, RFC 1617, LDAP-RFCs, Domain-Componants

◇ **Long national discussion since 1992**

◇ **Conference on the subject, Tübingen September 1999**

◇ **Definition of a standard conform geographical structure**

◇ **Separate branch for nodes with technical entries**

◇ **aliasCategory**
OC and AT in each o= entry. Automatic creation of the category nodes.

◇ **Document on new structure (German):**
http://www.directory.dfn.de/ds-info/ds-info-2

DFN Directory Services

New policy for c=DE

◇ **Minimal datasets**
   ○ Organisation OC: *top, organization, labledURIobject, aliasCategoryObject*
   ○ Organisation AT: *organizationName, localityName, aliasCategory, postalAdress, telephoneNumber, facsimileTelephoneNumber*
   ○ Organisational Person OC: *top, person, newPilotPerson, organizationalPerson, inetOrgPerson, labledURIobject*
   ○ Organisational Person AT: *commonName, surname, mail, telephoneNumber, facsimileTelephoneNumber*

◇ **Minimal amount of entries in an organisation**
   DSA Manager, Data Manager, Postmaster, Secretary

◇ **Committment to implement update mechanisms**

◇ **Minimum requirements for DSA's**
   online time, response time, search time, replication

◇ **Document on policy (German):**
   http://www.directory.dfn.de/ds-info/ds-info-3/

Hybrid Directory

⋄ **Integration of LDAP servers into X.500 FLDSA**

⋄ **Willingness to participate in DIRECT**
   DIrectory REplication CoordinaTion

⋄ **Willingness to participate in European LDAP index service**

⋄ **Integration of referral feature into X.500-WWW-Gateway TWEB**

New research topics

◇ **Further developments in PKI**
   X.509 in PGP, SSL/TLS, IPsec, DNSsec

◇ **OpenPGP keyserver on LDAP basis**
   implementation, I-D

◇ **Directory Enabled Networking for routing**

◇ **Directory Service Markup Language (DSML) for e-commerce**

◇ **Metadata indexing with the DESIRE II LDAP indexing system**

◇ **Active Directory, Domain Componants, Novell Directory Service**