Future plans of DFN Directory Services

Nameflow Meeting,

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Future plans of DDS Nameflow Meeting January 2000

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
Nodes with real entries

Nodes with alias references

Nodes with technical entries
New policy for c=DE

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

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

◊ **Commitment 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**