LDAP Standardization Report

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Standards Development Organizations

- IETF
  - LDAP Revision (LDAPbis)
  - LDAP Extensions (LDAPext)
  - LDAP Duplication/Update Protocols (LDUP)
  - LDAP Directorate
- ITU and ISO/IEC JTC1 SG
- Open Group Directory Interoperability Forum
OpenGroup’s Directory Interoperability Forum

- Directory Certification Programs
  - Servers: *LDAP Certified*
  - Clients: *LDAP Ready*
- Are developing DSML certification programs
ITU & ISO/IEC JTC1 SG

• X.520 matching rule internationalization
  – What’s a space?
  – How is case ignore matching to be done?
  – Which normalization algorithms is to be used?
  – How is transliteration (T.61/Unicode) to be done?

• Misc LDAP alignment

• Targeted for 5th edition of X.500 (2005?)
IETF New LDAP RFCs

- RFC 3377: *LDAP Technical Specification*
- RFC 3383: *IANA Considerations for LDAP*
- RFC 3494: *LDAPv2 to Historic*
- RFC 3352: *CLDAP to Historic*
IESG Approved I-D

• In RFC Editor’s queue:
  – draft-ietf-policy-core-schema: *Policy Core LDAP Schema*

• Tentatively approved
  – draft-zeilenga-ldap-collective/subentry/draft-legg-ldap-gser: *Collective Attributes*
LDAPbis Status

- Revised TS may be done this summer
- What next? Revise extension TSs?
LDAPext Status

- Basically shutdown. WG cannot formally conclude because “Locate” I-D is before the IESG.
- Locate I-D likely to be returned to WG
- WG needs to determine how then to proceed
LDUP

- LCUP (content sync) work: two proposals
  - “LCUP” – requires histories, requires limited “system schema” knowledge, overly chatty
  - “LDAP Sync” – requires no histories, requires “system schema” knowledge, chatty

- LDUP (multi-master replication) work stalled, WG wants to publish existing I-Ds as Informational and then shutdown. WG considering how to proceed.
LDAP Directorate

- Provides comments to IESG, IAB, and WG chairs regarding Individual and non-LDAP-WG LDAP I-Ds
- Composed of the 6 LDAP co-chairs, selected experts, and the Applications Area Directors.
- Not a review board, that’s the IESG job
LDAP in other WGs

- PKIX: LDAP PKI Schema, binary revision, certificate matching
- KRB-WG: KDC Administration over LDAP
- CRISP
Key Individual Drafts

Legg: X.500 ACM in LDAP, Component Matching, GSER
Zeilenga: Collective Attributes, Subentries, Transactions, Lang Tag/Ranges (RFC2596bis), …
Weltman: Proxy Authz, Java LDAP
Harrison: Intermediate Responses, LBURP
Summary

• LDAP Standardization is alive and well.
• Most extension work being done on an “individual” basis.
• May be difficult for vendors and deployers to determine which technical specifications are applicable. More applicability statements are needed.