

OpenLDAP Odds & Ends

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Additional Matching Rules

- wordMatch
- keywordMatch

- RFC 3698

entryDN

- Operational attribute which provides a copy of the entry's DN. Needed to allow component matching upon the entry's DN.
- Implementation: should be 'computed' (much like hasSubordinates)
- draft-zeilenga-ldap-entrydn-xx.txt

dumpasn1

- Integrate into (old) logging
- BTW, undef `-UNEW_LOGGING`

LDAPprep

- Internationalized X.500/LDAP matching rules
 - caseIgnoreMatch / caseExactMatch / others
- A ‘stringprep’ algorithm
 - Transcode
 - Map (including case fold when necessary)
 - Normalize
 - Prohibit
 - Bidi check
 - Insignificant space removal
- Implementation Issues
 - Should be implemented in –lldap so available to both clients and servers
 - Map (case fold) before normalization not normalize than map as in slapd(8).
 - draft-ietf-ldapbis-strprep-xx.txt

SASLprep

- Internationalized “simple” usernames and passwords
 - SASL PLAIN/DIGEST-MD5 username/password/[realm]
 - LDAP “simple” Bind password
 - LDAP userPassword
 - LDAP Password Modify
- In LDAP & DIGEST-MD5, preparation is to be done by client
- In PLAIN, preparation is to be done by the server.
- OpenLDAP implementation choices:
 - Native (ucdata)
 - Reuse (Cyrus SASL?)
- draft-ietf-sasl-saslprep-xx.txt

Native SASL mechanisms

- Support SASL/EXTERNAL (possibly other mechanisms) natively (e.g., without Cyrus SASL).

Select(2) alternatives

- Should support poll(2) (eventually should become default)
- Alternatives
 - Kqueue - BSD
 - epoll(2) – Linux
 - /dev/poll

Distributed Operations

- `draft-sermersheim-ldap-distproc-xx.txt`

Discussion