SASLprep & LDAPprep

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SASLprep

- Used for “simple user names” and passwords.
SASLPrep: Summary

✦ Mapping
  • spaces -> U+0020
  • commonly to nothing -> nothing

✦ Normalization: NFKC

✦ Prohibited Output
  • control characters, private use, non-characters, surrogates, inappropriate for text, inappropriate for canonical, change display or deprecated, tagging
  • Bi-Di: per StringPrep Sect. 6
SASLPrep revision

- Provide Unicode version agility
- Provide for backwards compatibility
SASLprep: My Recommendation

- Revise RFC 4013, drop StringPrep reference
- Revise algorithm:
  - MUST NFKC (for backwards compatibility)
  - Discuss other issues (maybe some SHOULDs)
LDAPprep

✦ Family of profiles
  • case ignore/exact handling
  • added step to handle extraneous spaces

✦ Unique in that used to in match “text” (as opposed to identifiers)

✦ No recommendation on how to move forward here.