StringPrep/SASLPrep/… update

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From email by Nico Williams and Joe Hildebrand
Issues/Possible requirements

• Independent of a particular version of Unicode
  – Algorithm described using Unicode properties
    + [possibly] some small set of exceptions
  – Failing that, a mechanism to update to new Unicode versions with a relatively small amount of standards and implementation work. Or at least update to a more modern version of Unicode.
Issues/Possible requirements

• Backward compatibility with RFC 4013/ RFC 3454 ?
• NFKC? Move to NFC or NFD?
• Multiple normalization profiles (possibly negotiable) ???
• Query strings should be un-normalized ?
• Comparisons to storage strings should be normalization-insensitive ?