

# An IDNA2008 implementation -- idnkit-2.0 --

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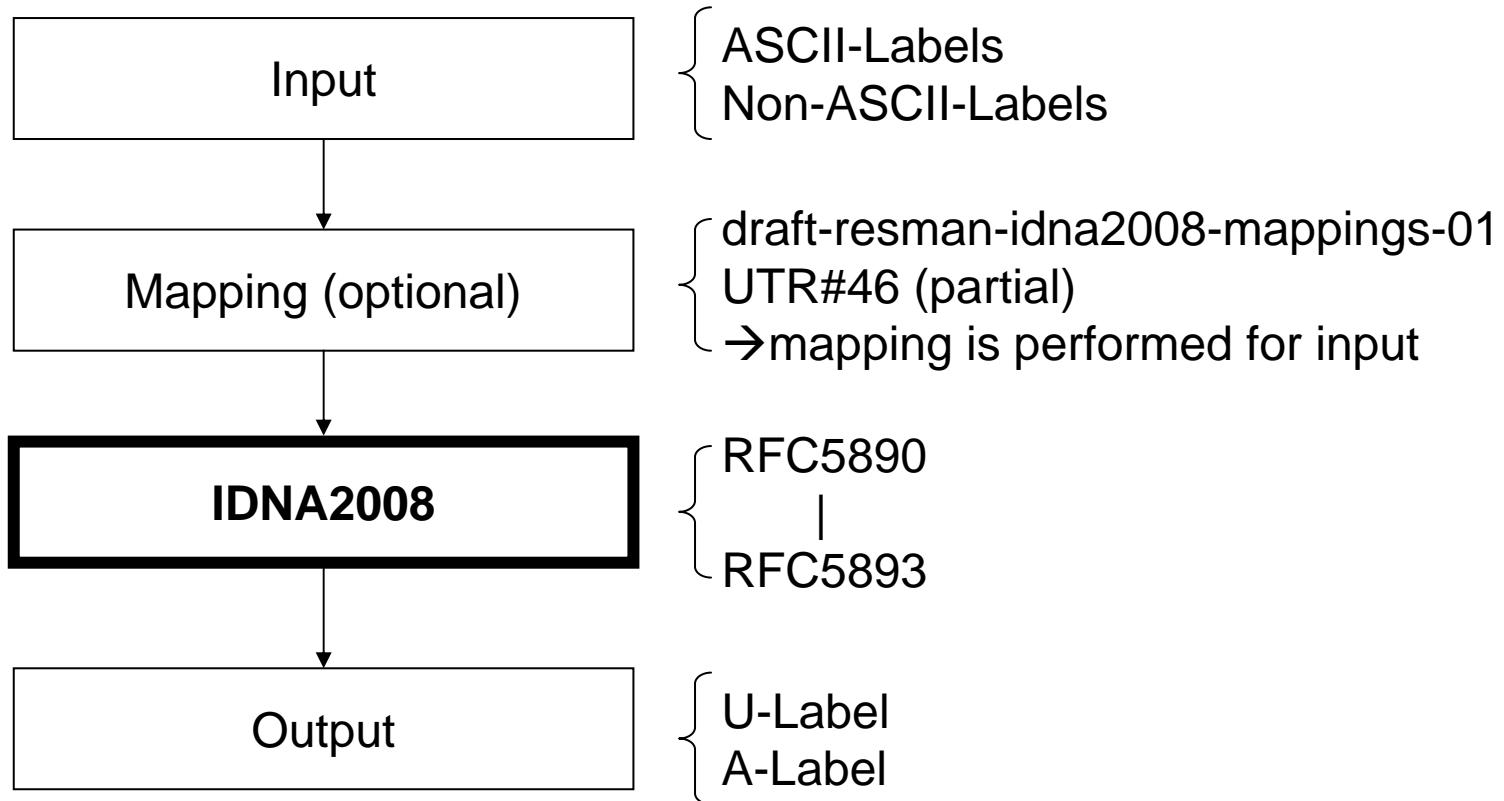
Applications Area Open Meeting @ IETF78

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# Overview

- Specification of IDNA2008 is fixed
  - RFCs will be published very soon
- Next step after RFCs publication
  - Need some implementations and to have interoperability test
- idnkit-2.0 is an implementation of IDNA2008
  - (to be) RFC5890-5893
  - Mapping
    - draft-resman-idna2008-mappings-01
    - Unicode technical report #46 (partial)
      - Does not break into labels and convert xn-- labels to Unicode is omitted

# Diagram of idnkit-2.0 processing



# What idnkit-2.0 provides

- APIs for applications – Useful for developers
  - Encode name (U-Label → A-Label)
  - Decode name (A-Label → U-Label)
  - Compare two names
  - Validity check for a name
  - Currently C I/F only, and no documentation  
Java/Perl/Python I/F and documentation is underway
- Command line tools – Useful for administrators
  - Encode / Decode names (idnconv2)
  - Compare names (idncomp)
  - Validity check for a name (idncheck)

# Please give your feedback

- idnkit-2.0 is available at:
  - <http://jprs.co.jp/idn/index-e.html>
  - Open source, free software
- Bug reports, suggestions for mappings, improvement requests, information about another IDNA2008 implementations, etc are very welcome
  - [idnkit-info@jprs.co.jp](mailto:idnkit-info@jprs.co.jp)

*to make IDNA2008 RFCs' status move forward!*