Best current practice

• RFC 6532 permits so much of unicode that people worry about it

• I propose a new BCP that permits what’s used and is also difficult to attack

• draft-gulbrandsen-smtputf8-nice-addresses
User addresses only

• Human-friendly addresses:
  • Used for provisioning addresses for people
  • Used by web forms and in recipient fields

• Not about reply-only addresses:
  • #=40example.net@dmarc.example.com
  • issue-8743445470432082304@support.example.com
Email syntax(es)

- RFC 6532 says all of unicode may be used
- RFC 8265 covers address equality
- W3C has a regex for email syntax, used by web forms
- A regex cannot really cover EAI
Design goals

• If you provision addresses in the repertoire, validators on the web accept the addresses
• Rules that accommodates existing usage
• ... and desired usage, too
• Visible safety, obvious
• No compatibility break
My proposed spec

• Generally: Single-script, single-direction OK
• Mixing scripts/directions is OK only when in use today
• Same repertoire in localpart and domain
• Based on conversations with techs in many relevant countries
The name again

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