draft-sullivan-dnssd-label-miprofile-00

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IETF88
dnsssd
Why?

• Different name systems have different rules about what’s allowed
• Common rule is needed for DNS-SD to work across these name systems
• Call this the “maximally interoperable profile”
Examples?

• In mDNS, write テスト as テスト (U+30B9 U+30C6 U+30C8)
• In DNS, write テスト (U-label) as xn--zckzah (A-label)
• In mDNS, write Andrew’s Computer
• In DNS, no apostrophe and no space
Case is annoying

• MyExample and myexample and MyExAmPlIE all match in DNS
• MyCafé is not a permitted U-label
• Just make a rule “lower case only”
3 rules

1. If the label is made entirely of LDH code points, then the label MUST be an LDH label.

2. All LDH code points MUST be folded to lower case.

3. If the label contains any other code point, then the label MUST be a well-formed U-label.
Application

• Rules apply to labels
• Applies to <Instance> portion of DNS-SD name
• *Does not* apply to <Service> portion
• Applies to <Domain> portion