CDN Registration

MAO Wei
CNNIC
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CDN Problems

- Simplified-Chinese (SC) and Traditional-Chinese (TC) characters equivalence

  for example ‘国’=‘國’

- Chinese character variants, some Chinese characters has many variants but they are same in meaning

  for example {国,國,囯,圀}

CDN Solutions

- CDN Basic

  - RFC3454 Stringprep

  - RFC3490 IDNA

  - RFC3491 Nameprep

  - RFC3492 Punycode

- Special solution to CJK

  - April ,2004, RFC3743 Joint Engineering Team (JET) Guidelines for Internationalized Domain Names (IDN) Registration and Administration for Chinese, Japanese, and Korean

CNNIC Bundling rules for registration of CDN(1)

- Register an IDN.cn in simplified Chinese only, get another free award of an equivalent domain name in traditional Chinese only, and vice versa
  - Example
    - 清华大学.cn
    - 清華大學.cn

Bundling Rules(2)

- Register an IDN.cn in a mix of simplified and traditional Chinese, get a free award of an equivalent domain name in simplified Chinese only and another equivalent domain name in traditional Chinese only
  - Example
    - Original form may be mix of the following:
      - 清－>{清，淸，凊}
      - 华－>{华，華，崋}
      - 学－>{学，學，斈}
      - 清華大学.cn
  - TC-only
    - 清華大學.cn
  - SC-only
    - 清华大学.cn

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Bundling Rules(3)

- Resolved:
  - Original form (mixture character)
  - Simplified only version
  - Traditional only version
- Reserved:
  - All variant versions
  - { 清华大学.cn；清华大學.cn；清華大學.cn；清华大學.cn；清華大学.cn；…}
  - The package will not be used in DNS resolution and be reserved only for this user
- Creating, deleting, transferring and updating of CDN in CDN registration server system are based on the whole CDN package
- It is transparence for registrar. Registry do it.

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Simplified-Chinese and Traditional-Chinese characters equivalence

Thank YOU!

MAO Wei
www.cnnic.cn
http://中国互联网络信息中心.cn
mao@cnnic.cn
毛伟@互联网中心.cn