idn.tw & idn.台灣 registrations

idn.tw open for registration on 2001.2.16

idn.台灣 open for registration on 2010.10.14
idn.tw & idn.台灣 cases
idn.tw & idn. 台灣 cases
idn.tw & idn.台灣 cases
idn.tw & idn. 台灣 registrations

idn.tw open for registration on 2001.2.16

idn.台灣 open for registration on 2010.10.14
The supply is there. But question is: how to increase the demand?
We believe EAI is one of the opportunities ......
4 Stages of TWNIC EAI Development

Preparation 2003-2006
Experiment 2007-2012
Implementation 2013-2014
Promotion 2014-
Stage 1-Preparation (2003~2006)

• Set up TWNIC i-Email Task Force
• Collaborate with some ccTLDs on CDNC meeting/JET meeting
  – Discuss about i-Email issues
  – Discuss possible solutions
  – Outline of framework
• Participate IEE BoF on IETF 64
• Join EAI WG on IETF 65
  – experimental RFCs
  – Gather experience
  – Standard track
Stage 2- Experiment (2007~2012)

- Conduct EAI Testing Plan
  - Set up a test-bed
  - Modify sendmail software to implement EAI WG draft (SMTP, UTF-8header, Downgrade)
  - Develop plug-in for MUA to send, receive and display i-Email address
  - Participate the EAI function test including CNNIC, JPRS, NIDA, Afilias and TWNIC registrants .
  - Around 6000 users participating the test mentioned above (400 active users, 1000 average number of emails /per day)
- Publish RFC 5335 Internationalized Email Headers (2008) and RFC 6532 Internationalized Email Headers (2012)
  - RFC 6532 is the replacement of RFC 5335 (obsoleted by RFC 6532)
Stage 2- Experiment (2007~2012)

- Search for an appropriate partner to implement EAI’s RFC
  - Our concerns
    - the enthusiasm of participating in EAI
    - the ability of handling complex Mail server software
    - the modifiability of existing mail server architecture
    - the coverage of mail services
  - Openfind Mail 2000
    - Over 20,000,000 user accounts in Asia
    - government 55%, telecom 80%, academic 60%
Stage 2- Experiment (2007~2012)

- Interoperability test among other ccTLDs
  - Mail server: Openfind mail2000 Version 6 with EAI patch
  - MUA: mail2000 webmail
  - Participated the interoperability test group including CN, SG, MO, HK, and TWNIC staffs.
  - Held technical press conference in June 2012.
Stage 3 - Implementation (2013~2014)

Step 1
RFC 6531 / RFC 6532
- Web UI+CGI -support UTF-8 e-mail address name, domain name, login
- SMTP-support SMTP Extension
- MIME-Header and Message

Step 2
RFC 6857 / RFC 6858 / RFC 6533
- Downgrade- Downgrade for outside recipients, MUAs
- Notification –Delivery status and Disposition notification

Step 3
RFC 6855 / RFC 6856
- Support MUAs with UTF-8 enabled
- Support other MTAs with UTF-8 enabled
Stage 4 - Promotion (2014~)

- Step 1.
  - Provide EAI technical /conceptual training courses for vendors and users respectively.
- Step 2.
  - Survey the willingness of upgrading mail server software and MUA software for all vendors.
- Step 3.
  - Encourage the mail server vendors and mail service providers to implement EAI RFCs.
Stage 4 - Promotion (2014~)

- Step 4.
  - Conduct a trial program with designated hostname
    - TWNIC provides email service with designated hostname IDN.IDNccTLD (台網中心.台灣).
    - Register one IDN, get one free Internationalized E-mail account @ designated hostname.
    - For the users with the above hostname, they can send/receive EAI email via webmail.
  - 646 people participated in Step 4 program (Jul-Dec 2013)
    - 64.24% completed the required tasks
    - 81.69% felt satisfied with EAI experience
    - Easy to remember (70.00%) and personal representation (61%) are the advantages of Chinese EAI
    - 66.74% will apply his/her own EAI in the future
Stage 4 - Promotion (2014~)

- Step 5.
  - Conduct a trial program with user’s own IDN
    - Register one IDN, get one free Internationalized E-mail account @ user’s own IDN, hosted by TWNIC.
    - Set up an IDN-to-ASCII mapping table for communicating with the other ASCII-only e-mail users.
  - 366 people participated in Step 5 program (Mar-Jun 2014)
    - 55.46% completed the required tasks
    - 87.68% felt satisfied with EAI experience
    - 74.03% felt no difficult with DNS setting
    - 78.33% will apply his/her own EAI in the future
    - 54.19% will register IDN domain because of EAI.
Stage 4 - Promotion (2014~)

- Current Step.
  - Since Gmail and Outlook 2016 support EAI, TWNIC conducts a program with user’s own IDN Register one IDN, get one free Internationalized E-mail account @your IDN, hosted by TWNIC.
  - Users are required to add his/her EAI account in Gmail or Outlook 2016 and send/receive email (complete required tasks) via Gmail or Outlook 2016.
  - It is to let users to experience that sending/receiving email with EAI account is same as ASCII account.

http://www.twnic.net.tw/eai/
Stage 4 - Promotion (2014~ )
Stage 4 - Promotion (2014~ )
Question?