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Universal Acceptance

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Agenda

- What is Universal Acceptance?
- UA Initiative Roadmap
- Updating Internal Procurement
- UA Web Presence
- Measurement
- Support UA in the DNS Industry
- Applications/Service Vendor Panel



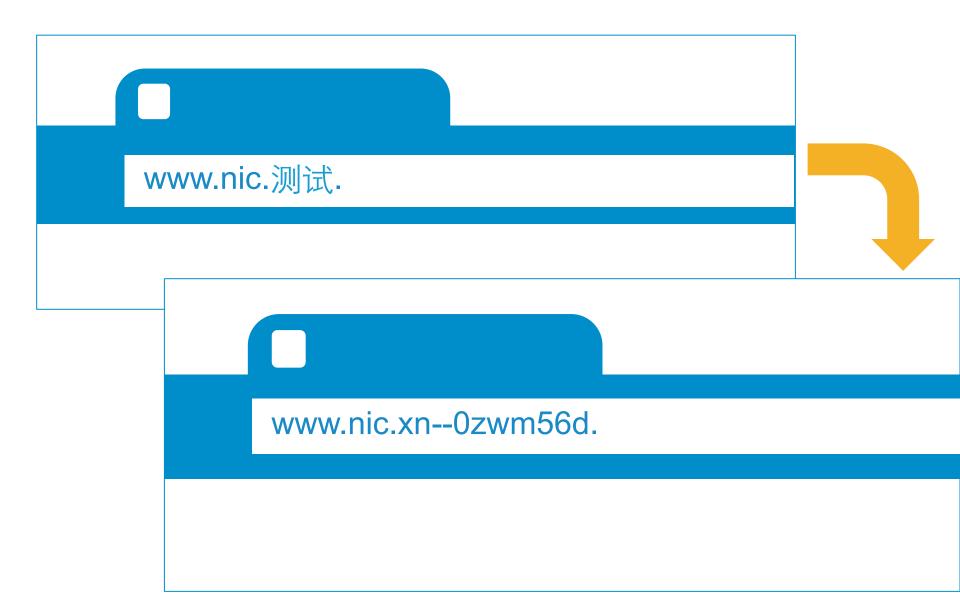
The Challenges



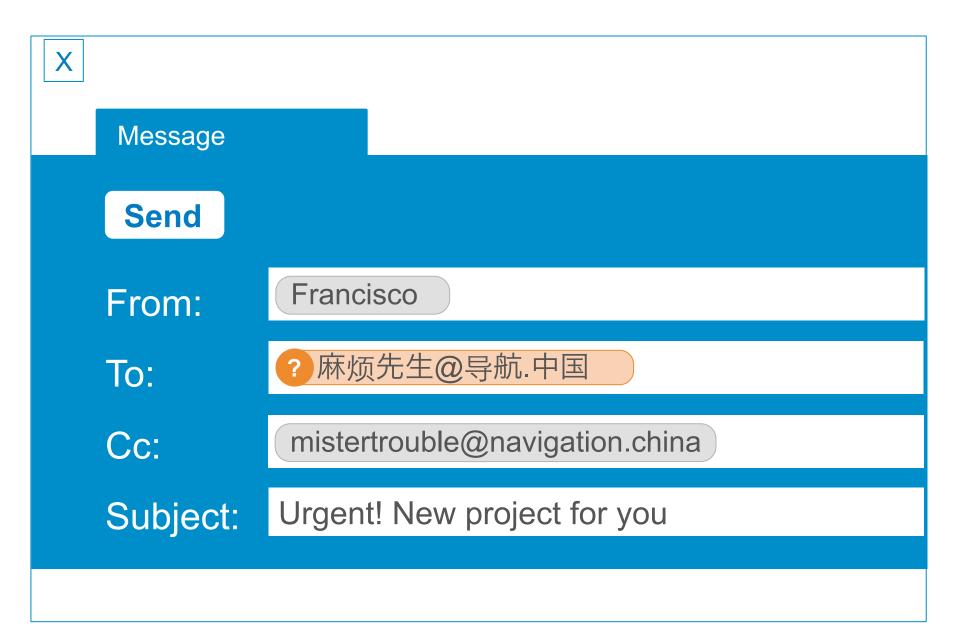
Lack of Support: All TLDs



Lack of Support: Internationalized Domain Names



Lack of Support: Internationalized Email



Universal Acceptance Initiative



Universal Acceptance Initiative: Goals

Universal support in applications and services for:

- 1. All TLDs
- 2. Internationalized Domain Names
- 3. Internationalized Email



Universal Acceptance Initiative: Roadmap

- Promote New TLDs, IDNs and Internationalized Email acceptance
- Foster discussion
- Support a "corporate memory" of progress
- Elevate awareness to the level of IPv6 and DNSSEC
- Supply a reporting tool for Universal Acceptance issues
- Be a catalyst, create a sense of urgency



Universal Acceptance Initiative: Web Presence

http://bit.ly/universal-acceptance

Additional content coming soon:

- $_{\circ}$ Library of presentations
- Pointers to public reports
- Technical references



Measuring Success



Suggested Measurements

- Suggested approaches include measuring adoption via testing applications and services
 - $_{\circ}\,$ Need to overcome bias in:
 - Selecting the roster of tested applications and services
 - Tests themselves applying a standard test may have inherent assumptions
- Maintaining a goal of being neutral raises the concerns over bias
 - $_{\circ}\,$ Some other approach is needed



Developing Measurements

- Self-assessments: a building block
 - Statements specific to a class of services or applications that define what "universal acceptance" success is
 - Results of applying tests built to the self-assessments can be analyzed (recognizing that there may be a bias)
- Have ideas?
 - Looking for suggestions, other measures and ways to mitigate concerns about bias



Leading by Example



Universal Acceptance Support within ICANN

- Adding clauses to ICANN's standard contractor agreement to request support for:
 - \circ All TLDs
 - Internationalized Domain Names (IDNs)
 - Internationalized Email
- Working on a plan to upgrade internal systems to operate in accordance with the goals of Universal Acceptance



DNS Industry Support Imperative

Industry must first operate in accordance with the goals of Universal Acceptance before we can expect others to do so

- Supporting all TLDs, IDNs and Internationalized email means addressing:
 - $_{\circ}$ Name servers
 - Contact email addresses
 - Business using IDNs and Internationalized Email
 - Back-office systems
- Educate Registrants
 - $_{\circ}~$ E.g., where to send bug reports



Panel Discussion

Challenges and Solutions for Universal Acceptance



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- email addresses

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http://пример.pф/elho?load

xn--e1afmkfd.xn--p1ai

corgicrazy@пример.рф

согдісгаду@пример.рф

corgicrazy@xn--e1afmkfd.x



corgicrazy@пример.pф

corgicrazy@пример.pф

Corgicrazy@пример.рф loren != LOREN "polar bear" tesla+Model_S!





Борис@пример.рф

xn--90aorig@xn--e1afmkfd.

xn--90aorig xn--e1afmkfd.



corgicrazy@example.com

corgicrazy@example.com



corgicrazy@example.com



موقع شبكة@corgicrazy

موقع شبكة@corgicrazy.co



Multi-language Email Addresses (EAI)



What is the multi-language email address?

eg.וختبار@اختبار परीक्षा@उदाहरण.in 例え@例え.jp 실례@실례.kr 用户@中文.cn été@Économie.fr teuer@Schön.de опыт @ опыт.ru



Postfix supports EAI in July, 2014

Postfix 2.12 preliminary EAI support

Postfix EAI support is a work in progress. Initial development by Arnt Gulbrandsen was sponsored by CNNIC.

Postfix 2.12-20140316-eai preliminary release Source code | PGP signature | Patch | PGP signature

Past stable releases (still supported)

Postfix 2.10



Please choose a Postfix Download Site



Mirror status report

POSTFIX

QUICK LINKS

Home

Announcements Non-English Info Feature overview Web sites (text) Download (source) Mailing lists Press and Interviews Documentation Howtos and FAQs Add-on Software Packages and Ports Becoming a mirror site



Europe

Multiple locations Austria, Vienna Finland, Tampere France, Paris France, Strasbourg Germany, Bayern Germany, Berlin Germany, Berlin Germany, Berlin Germany, Duesseldorf Germany, Frankfurt am Main UK, somewhere Germany, Goettingen Germany, Hamburg Germany, Hamburg Germany, Munich Greece, Athens Ireland, Dublin Latvia, Riga Netherlands, Amsterdam Netherlands, Haarlem Netherlands, Utrecht Norway, Oslo

Romania, Bucharest Romania, Bucharest Russia, Saint Peterburg Russian Federation, somewhere Slovenia, Liubliana Spain, Bilbao Spain, Malaga Sweden, Falkenberg Sweden, Uppsala Switzerland, Basel Switzerland, Zuchwil UK. London

North America

Multiple locations Canada, Alberta, Edmonton USA, FL, Homestead USA, NY, New York USA, NY, White Plains USA, PA, Philadelphia USA, PA, Pittsburgh USA, somewhere

Wietse's own site

Central America

Costa Rica

South America

Brazil, Sao Paulo Brazil, Campinas Brazil, somewhere

Africa

South Africa

Middle Fast

Iran, Tehran

East Asia/Pacific

Multiple locations Australia, Brisbane Australia, Melbourne Australia, somewhere China, Hong Kong Japan, Kyoto Japan, Shizuoka South Korea, Seoul Taiwan, NSYSU CDPA Taiwan, Providence

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Problems

Some servers have supported EAI, but the major client such as outlook still does not support EAI!

Some email service providers have supported EAI, but there are still no free public registration of EAI.

We must do something to push it!

APEC EAI deployment meeting in Beijing

- Aug. 2013, APEC approves the project "Deployment of Multi-language email Address Technology"
- Sep. 2013, We holds the workshop for this project in APEC TEL 48 in Hawaii, USA
- 30 and 31 Oct. 2014, We will host the APEC EAI workshop in Beijing.

WELCOME TO JOIN IT!

Meeting Venue: Legendale Hotel Beijing







- Meeting:
 - Deployment of Multi-language email Address Technology
- Date:
 - 30 and 31 OCT. 2014
- Speakers:
 - from Internet Society of China/MIIT/CAS/State Internet Information Office/ CNNIC/CONAC/APEC/ICANN/IETF/domain registry/Email service providers/ ...
- Participants:
 - email related service providers and users, domain related registry and users, any interested Multi-language email Address users from APEC regions, media and reporters

If you are interested in joining it, please kindly contact

 Dr. Jiankang YAO (yaojk@cnnic.cn)

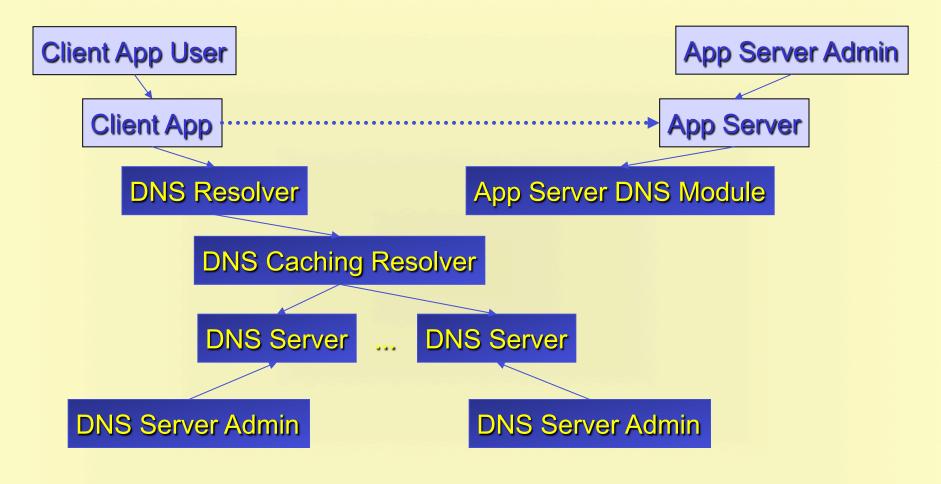


Changing DNS Infrastructure: TLD, DNSSec, IDN, RR...

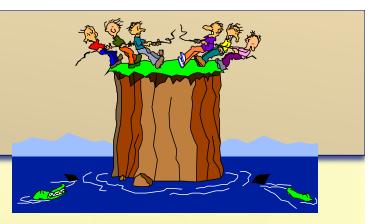
D. Crocker

Brandenburg InternetWorking bbiw.net





Independent Actors Use requires adoption by <u>all</u>





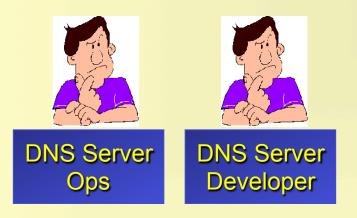


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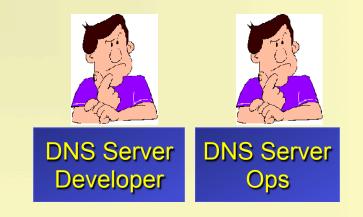
Developer

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For each actor...

- Who is in the critical usage path?
- What is their specific effort, needed to accomplish adoption?
- What is the specific, immediate, business incentive (benefit) that will drive their adoption (justify the cost)?



GDD + Related Sessions

Thursday, 16 October

- DNSSEC Key Rollover Workshop
- Thick WHOIS Implementation (Working Session)
- Deploying the IETF's WHOIS Replacement



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