Universal Acceptance – An Update

Don Hollander / GDD Summit / May 2016

Universal Acceptance

Expected Outcomes

- Understanding of what's happening in Universal Acceptance & what the UASG is doing
- Commitment to participation in Registry/Registrar Industry working group
- Commitment to local UA initiatives

Universal Acceptance

“Universal Acceptance is the state where all valid domain names and email addresses are accepted, validated, stored, processed and displayed correctly and consistently by all Internet-enabled applications, devices and systems.”

What we're doing:

- Creating Documentation – mostly technical
- Creating Test Cases
- Fixing Programming Languages
- Measuring Results
- Facilitating Cooperation
- Reaching Out

Timeline: Universal Acceptance Issues

First 'new' gTLDs launched – including .info

First IDN ccTLDs Launched

First wave of new gTLDs launched

UASG Formed during ICANN Singapore meeting

Universal Acceptance Fact Sheet published

Material amount of content getting published

The Universal Acceptance issue has been around for a very long time, and yet no one was collectively raising awareness or providing tools and experience. The UASG has formed to address this.

Agenda

* Organisation Structure
* Target Audiences
* Documentation Produced
* Programming Languages
* EAI
* Measurements
* Communications Strategy
* The Internet Industry
* UA in China
* UA in India
* Your Role
* Next Steps
* Q&A

UASG – Universal Acceptance Steering Group

* Chair: Ram Mohan
* Vice-Chairs: Christian Dawson, Edmon Chung, Rich Merdinger
* Shifted from Staff Supporting volunteers to Volunteers Supporting Staff
* Two project groups: Community Outreach & EAI
* Strong Support from ICANN

Documentation Produced

* UASG001 – Knowledge Base. *Who to contact for Browser problems*
* UASG002 – Webmaster Engagement Notes – 7 Languages
* UASG003 – Fact Sheet – Aimed at non-Technical people
* UASG004 – UA Use Cases. *The Examples we'll be using to test*
* UASG005 – Quick Guides. Available in English, Russian, Arabic, Chinese & soon in French, Spanish, Portuguese and German
* UASG006 – Relevant RFCs

Documents found at uasg.tech – Documents Tab

Documentation Produced (cont)

* UASG007 – An Introduction to Universal Acceptance – *Aimed directly at the Developers and other Technical People. ~18,000,000!*
* UASG008 – A Model for Local Engagement
* UASG009 – Quick Guide for Contracts & Tender Documents
* UASG010 – Quick Guide to Linkification

Programming Languages

* Four Teams working in Parallel to evaluate the UA Readiness of major open source programming languages – and fix them!
* Aiming for first results to be ready by ICANN57

EAI

* What is it?
  * Email support for IDNs
  * Email support for Unicode@example.tld
* What are we doing?
  * Test Environment
  * Coordinating ”Players”
  * Identifying Implementation Decisions

Measurement

* Checking to see if most popular websites can accept a variety of email addresses for registration.
* Builds on work of Donuts

Communications Strategy

UMBRELLA MESSAGE:

Universal Acceptance (UA) is essential for the continued expansion of the Internet as it ensures that new domain extensions and email addresses can be used by all Internet-enabled applications, devices and systems.

Supporting Messages

* UA provides a gateway to the next billion…
* Businesses have a responsibility…
* Better UA => Better UX

Target Audiences

People who can MAKE this happen

Developers & Systems Architects & Consultants/Contracting Firms

People who can DIRECT this to happen

CIOs

People who can INFLUENCE this to happen

C* Suite, Board Members, Government Officials, Ministers

Consultants, Media, Industry Influencers

UASG Going Forward…

- White Paper
- Communication Pilots
- Encouraging UA Practices in big consulting firms
- Getting the IDNA & Unicode engagement systems fixed.
- EAI

The Internet Industry

- Registry/Registrar Technical Review
- UA in China
- UA in India

Dennis Tan

Xiadong Lee

UA Activities and Plan from CNNIC

Xiaodong Lee

2016

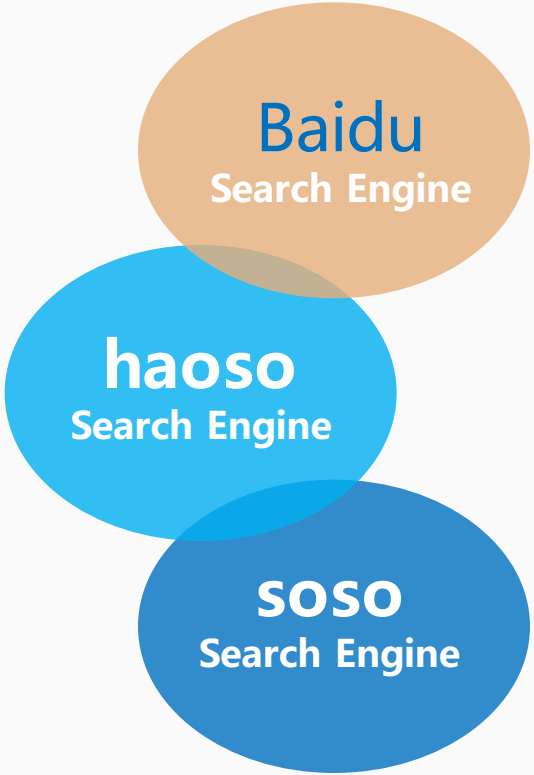
UA activities @ IDN

Business Cooperation with Browser Companies

Browser

- Initiated CDNC IDN letter to be sent to different browser companies
- Chinese dot and English dot to be equivalent in the address bar

Search Engines Supporting IDN

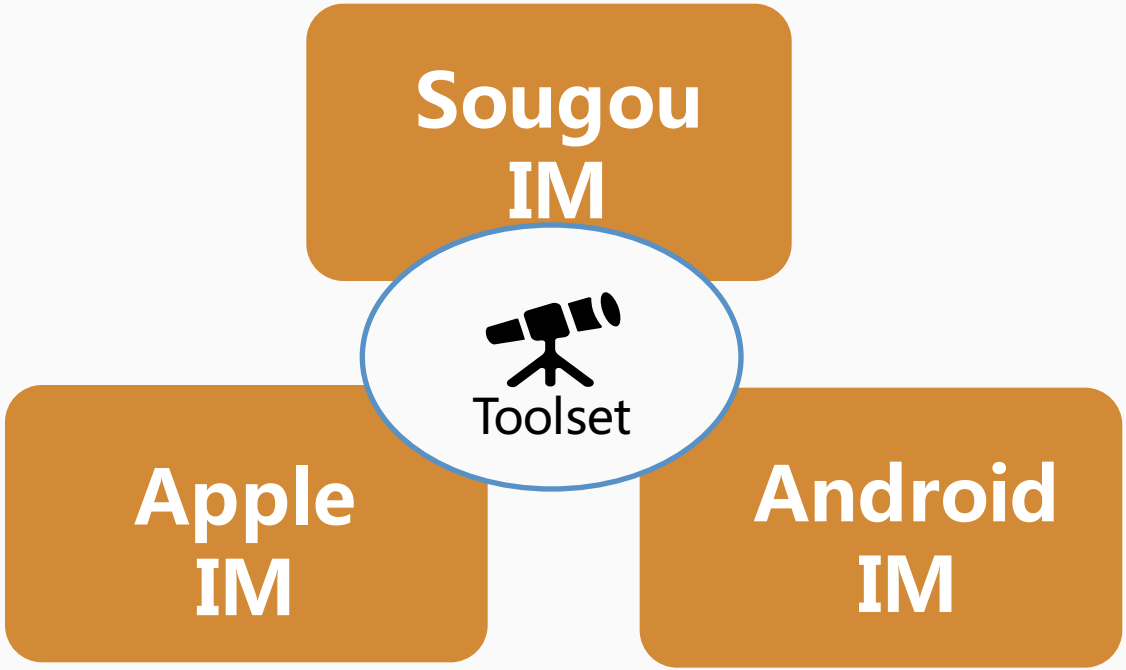


Baidu 百度 | Support CDN collection, but Display with A-label (punycode form)

好搜 Haosou | Support CDN collection and Display

搜狗搜索 | Support CDN collection and Display

Input Method shortcut with .中国



Social Media: Sina Weibo displays IDN

新浪微博
weibo.com

Sina Weibo

Domestic Marketing Communications

Beijing Traffic Radio start using a .中国 and broadcast .中国 in live show

- The most popular radio program-which has 1.73 million audiences start using “ 1039 一路畅通.中国”

The egg producer-Zhengda adopted “正大溯源.中国”

- “正大溯源.中国” on packages
- supermarkets and convenience stores

Well-known O2O to adopt “.中国”

- print “惠刷.中国”, ”返利通卡.中国” on cards
- over 8 million users owning cards with . 中国 domain.

“Interview with Yang Lan” started using “杨澜访谈录.中国”

- oral presentation and subtitle.
- broadcasts on more than 60 TV channels and dozens of online video channels.

.中国 promotion

UA activities @ EAI

Postfix Source Code - Windows Internet Explorer
http://cdn.postfix.johnriley.me/mirrors/postfix-release/index.html
Postfix Source Code
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
Postfix 2.10 Patchlevel 3 Source code | PGP signature | Release notes | Change log
Patch 03 (sig) 02 (sig) 01 (sig)
Postfix 2.9
Postfix 2.9 Patchlevel 9 Source code | PGP signature | Release notes | Change log

Please choose a Postfix Download Site - Windows Internet Explorer
http://www.postfix.org/download.html
文件(F) 编辑(E) 查看(V) 收藏夹(A) 工具(T) 帮助(H)
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Latvia, Riga
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Netherlands, Haarlem
Netherlands, Utrecht
Norway, Oslo
Romania, Bucharest
Romania, Bucharest
Russia, Saint Peterburg
Russian Federation, somewhere
Slovenia, Ljubljana
Spain, Bilbao
Spain, Malaga
Sweden, Falkenberg
Sweden, Uppsala
Switzerland, Basel
Switzerland, Zuchwil
UK, London
UK, somewhere

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 East

Iran, Tehran

East Asia/Pacific

Multiple locations
Australia, Brisbane
Australia, Melbourne
Australia, somewhere
China, Hong Kong
Japan, Kyoto
Japan, Shizuoka

Host the APEC EAI e

Two APEC endorsed projects:

✓Deployment of Multi-Language Email Address Technology

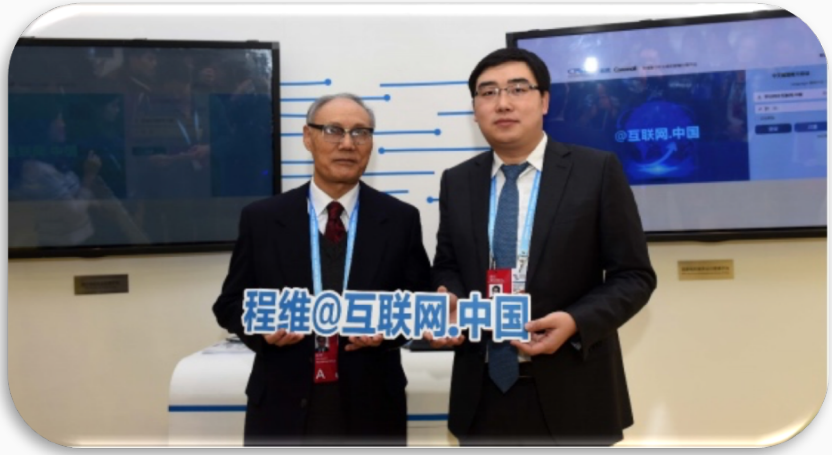
✓Research on Multi-Language Email Address Usage in E-Government

APEC
Asia-Pacific
Economic Cooperation
APEC workshop for the deployment of multi-language email address technology
Release of the world's first Chinese domain name email account registration platform
全球首个中文域名邮箱注册平台发布
暨APEC多语种邮件技术部署会议
INITIATIVE

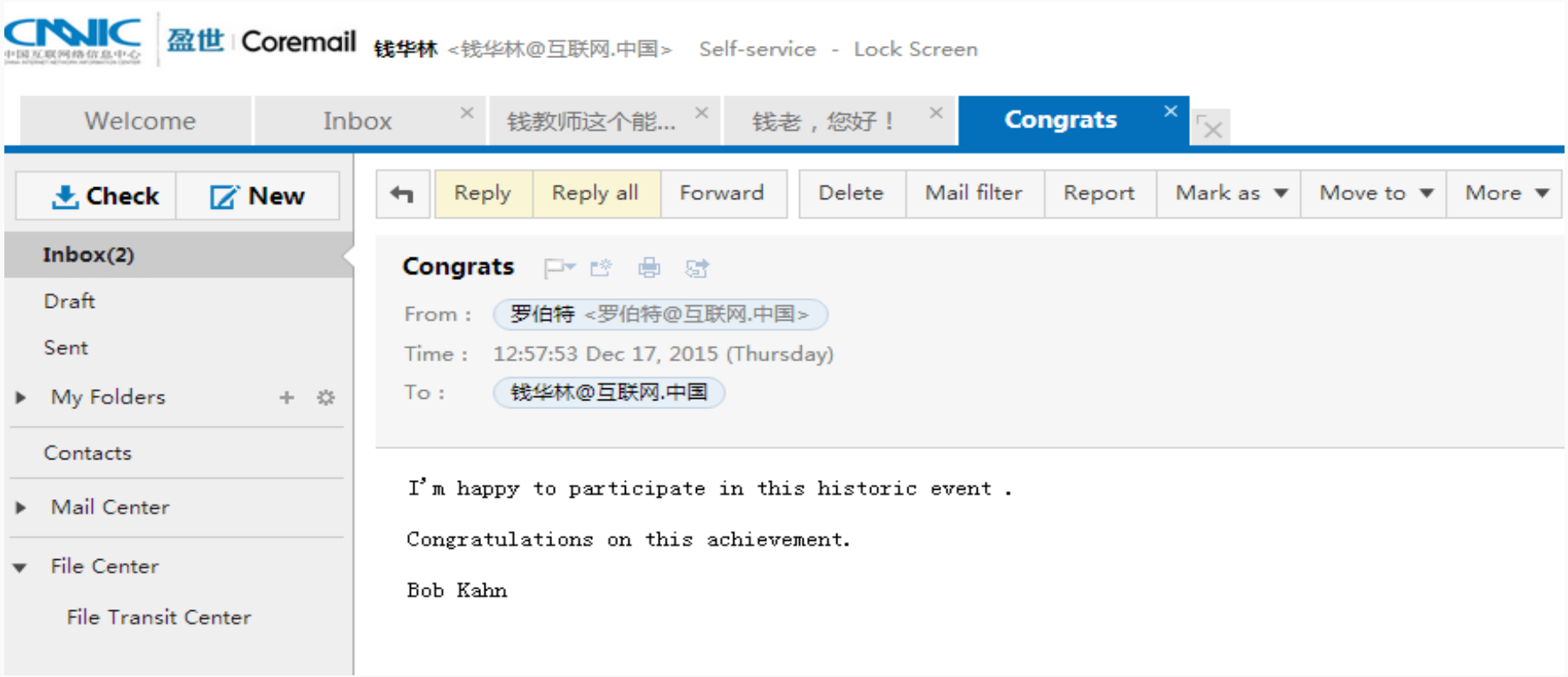
CNNIC Provides the 1st EAI platform with Coremail

Free EAI Account Application For All

Professor Qian Presented Chinese Email Address to Distinguished Guests



An EAI Email Sent by Robert E. Kahn

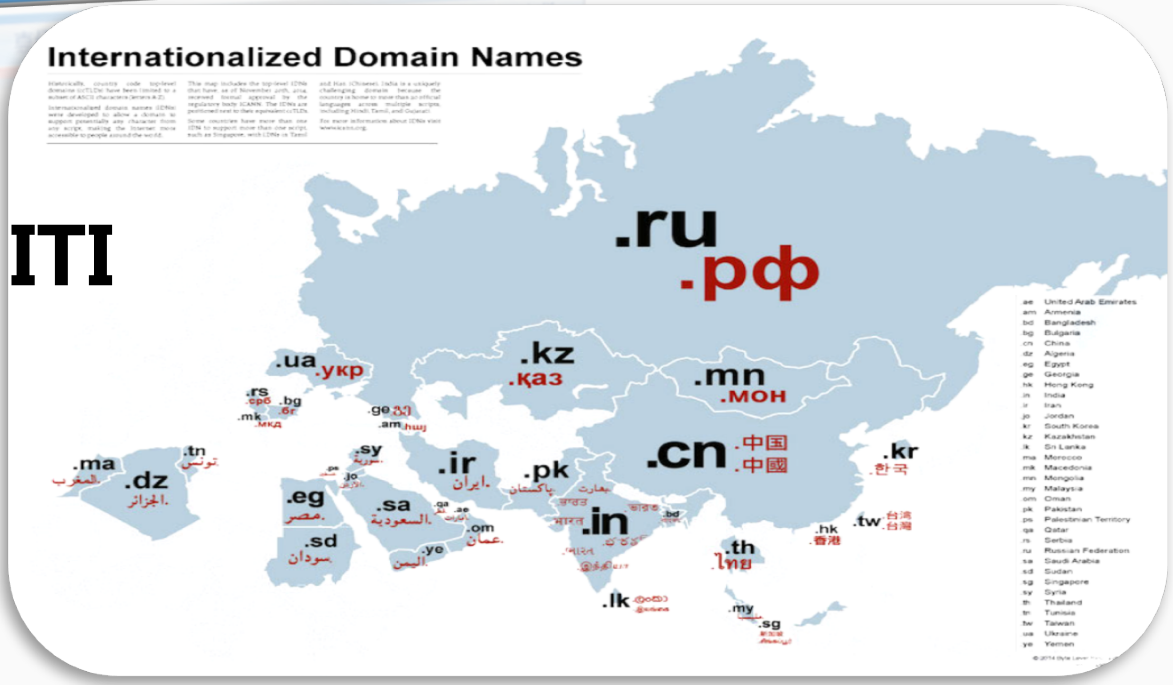


CNNIC initiated APTLD Open Letter to Support EAI

Representative of the National People's Congress Called for EAI support

Future Plan

From CDNC to ITI



ITI with ccTLDs can help UA in Local Regions

CNNIC
中国互联网络信息中心
CHINA INTERNET NETWORK INFORMATION CENTER

COORDINATION CENTER FOR TLD RU/РФ

sgnic

TWNIC
財團法人台灣網路資訊中心

KISA Korea Internet & Security Agency

HKIRC

澳門 MONIC
澳門互聯網資訊中心
Macao Network Information Centre

Thanks for your kind attention!

Jitender Kumar

The Indian Experience with Universal Acceptance

Jitender Kumar
Afilias India

ICANN GDD Summit
May 2016

About Afilias India

- Indian Registry service provider to top 10 Indian brands
- Technical service provider for the Indian Government for .IN and IDNs (462m Internet users, **30% growth rate**)
- Serves a country with 22 languages and 1 billion+ non-English speakers

IDN ccTLD	Script (Language)
.भारत	.Bharat in Devanagari
.ভারত	.Bharat in Bangla
.భారత్	.Bharat in Telugu
.ભારત	.Bharat in Gujarati
.بھارت	.Bharat in Urdu
.இந்தியா	.Bharat in Tamil
.ਭਾਰਤ	.Bharat in Gurumukhi (Punjabi)

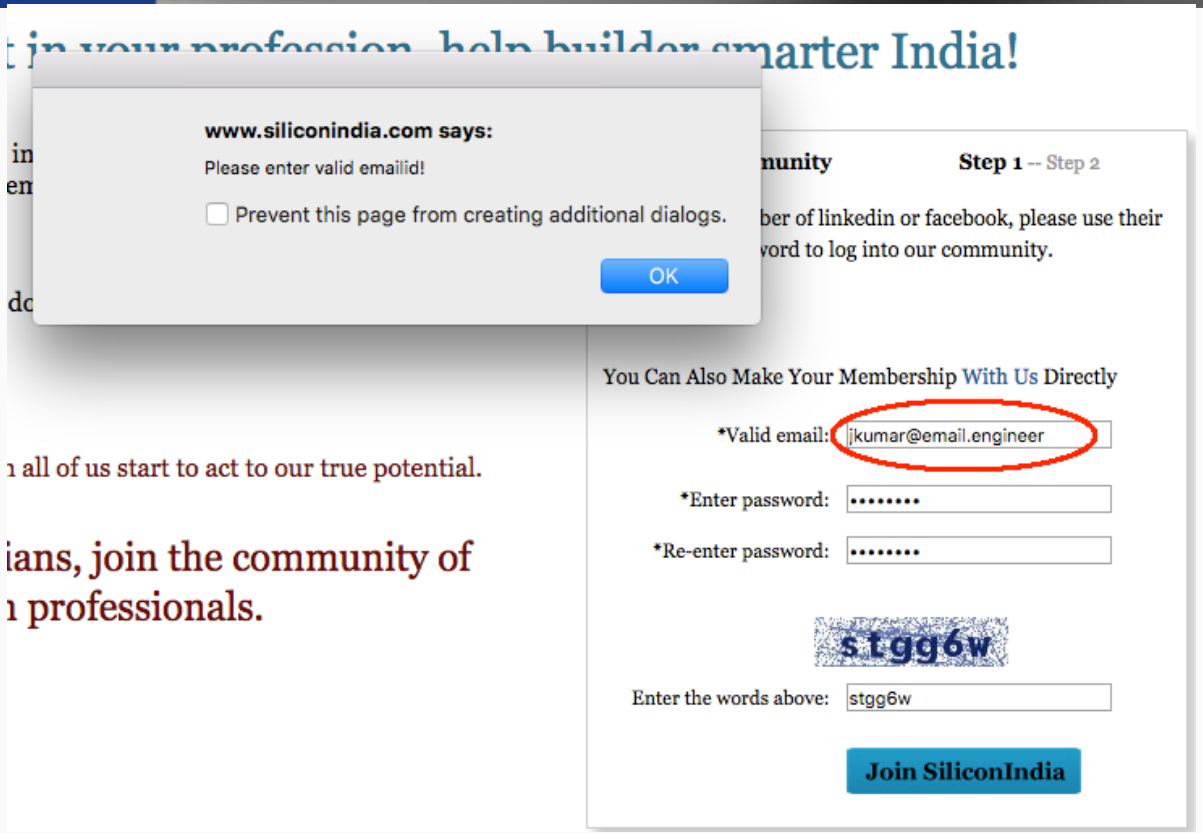
Source: www.internetlivestats.com/internet-users-by-country/

Universal Acceptance

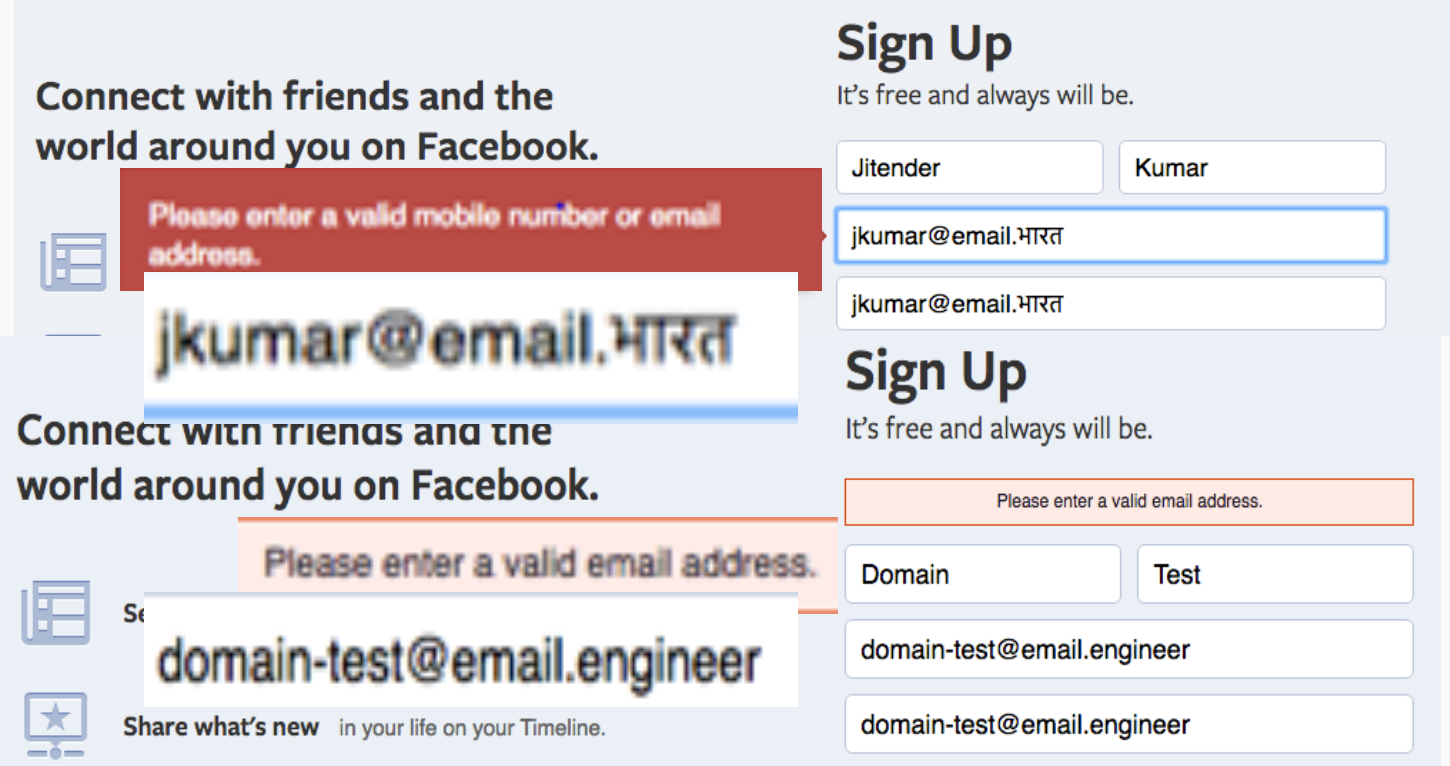
- Focused on Universal Acceptance, not “Universal Access” or “Universal Awareness”;

- Domain names and e-mail addresses should be Accepted, Stored, Processed and Displayed consistently across systems and applications.

India's top Technology Media Company/Site



Facebook India

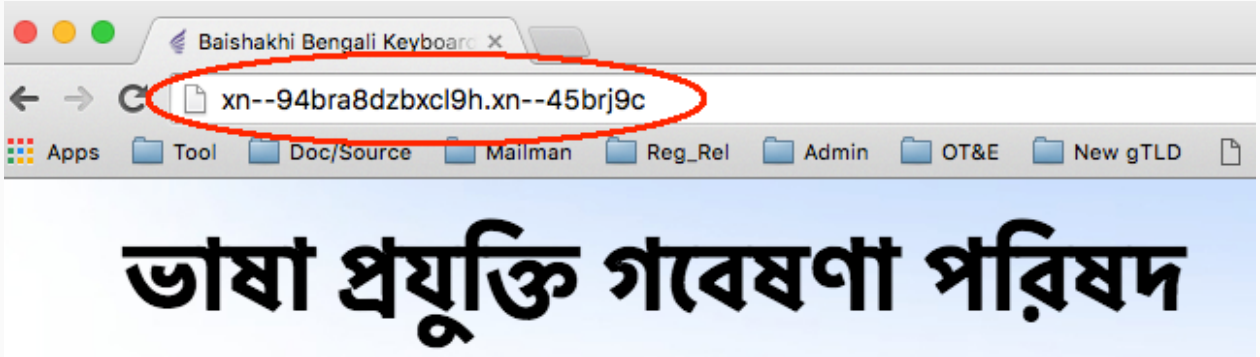


Browser Recognition (Safari)

Safari - Punycode is not recognized as a domain name, even though its a valid live domain name

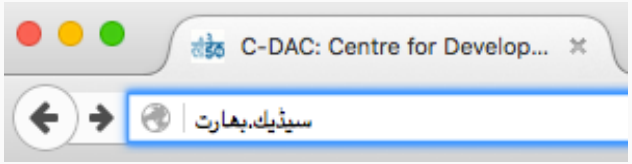
Domain Names

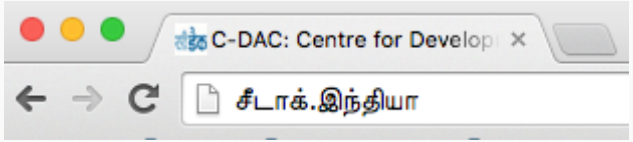
Address bar doesn't show native string

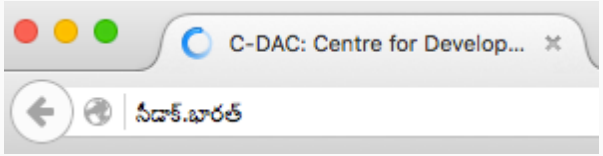


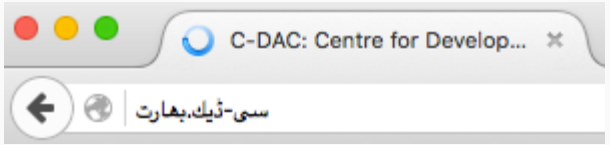
Multi-tier scripts

Multi-tier scripts do not show properly in the address bar



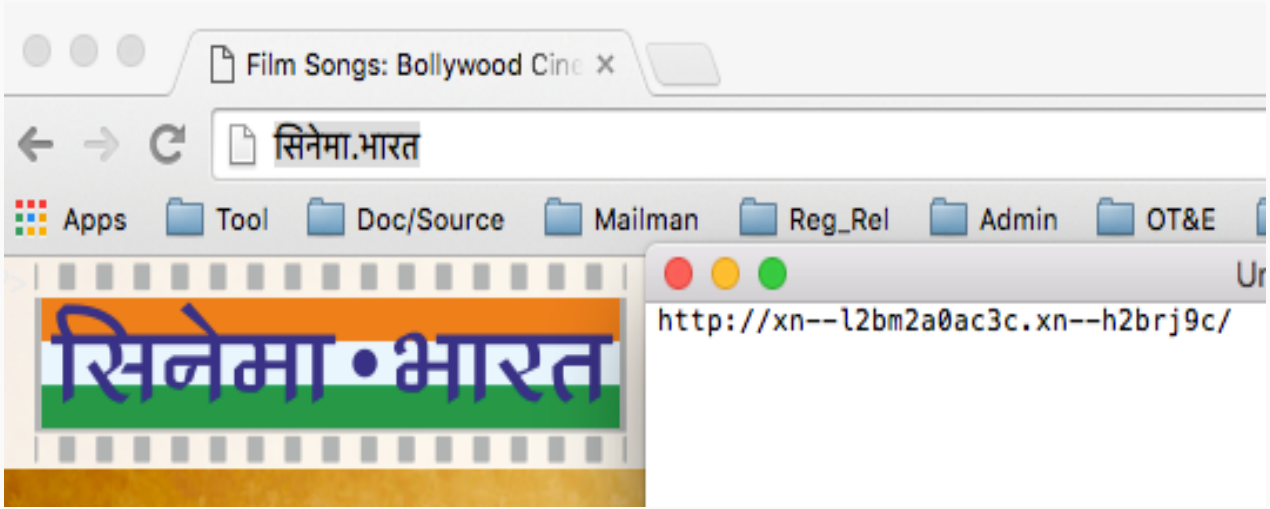






Portability Across Applications

Copy / paste from Browser Address bar to notepad



Impact of Poor Universal Acceptance

- Terrible User Experience (UX)
- Customer Dissatisfaction with
  - Registry
  - Registrar
  - Website owner
- Stunted growth of the multi-lingual Internet
- Loss of business for Indian firms
- Flight to “safe” TLD options

How Can UASG and You Help?

- Increase awareness of UA Issues in the Indian and South Asian region
- Engage technical and management leaders at major Indian brands
- Assist with discussions beyond ICANN and involve larger communities
- Build a program with ISOC Chapters?

Contact me for UA issues in India/South Asia

Jitender Kumar
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Summary & Conclusions

Your Opportunities

1. Make sure your own systems are UA Ready
2. Participate in the Registry/Registrar Technical Working Group
3. Participate in the UASG
4. Initiate UA efforts within your own communities
5. Partner with the UASG on your initiatives

Q&A