Universal Acceptance of IDN

ICANN London | 2014.06.23

edmon@dot.asia

What is IDN?

Internationalized Domain Names

www.domainname.asia

www.नाम.asia

U-Label
Native Form / Unicode Label

www.नाम.असम

Unicode
ISO10646 Standard

U+0928 U+093E U+092E U+0905 U+0938 U+093F U+0905

Punycode
IETF IDN Standard

xn--l2bm1c xn--l1ba6m2a

A-Label
ACE (ASCII Compatible Encoding)

www. xn--l2bm1c.xn--l1ba6m2a

Punycode / IDNA prefix
"xn--"

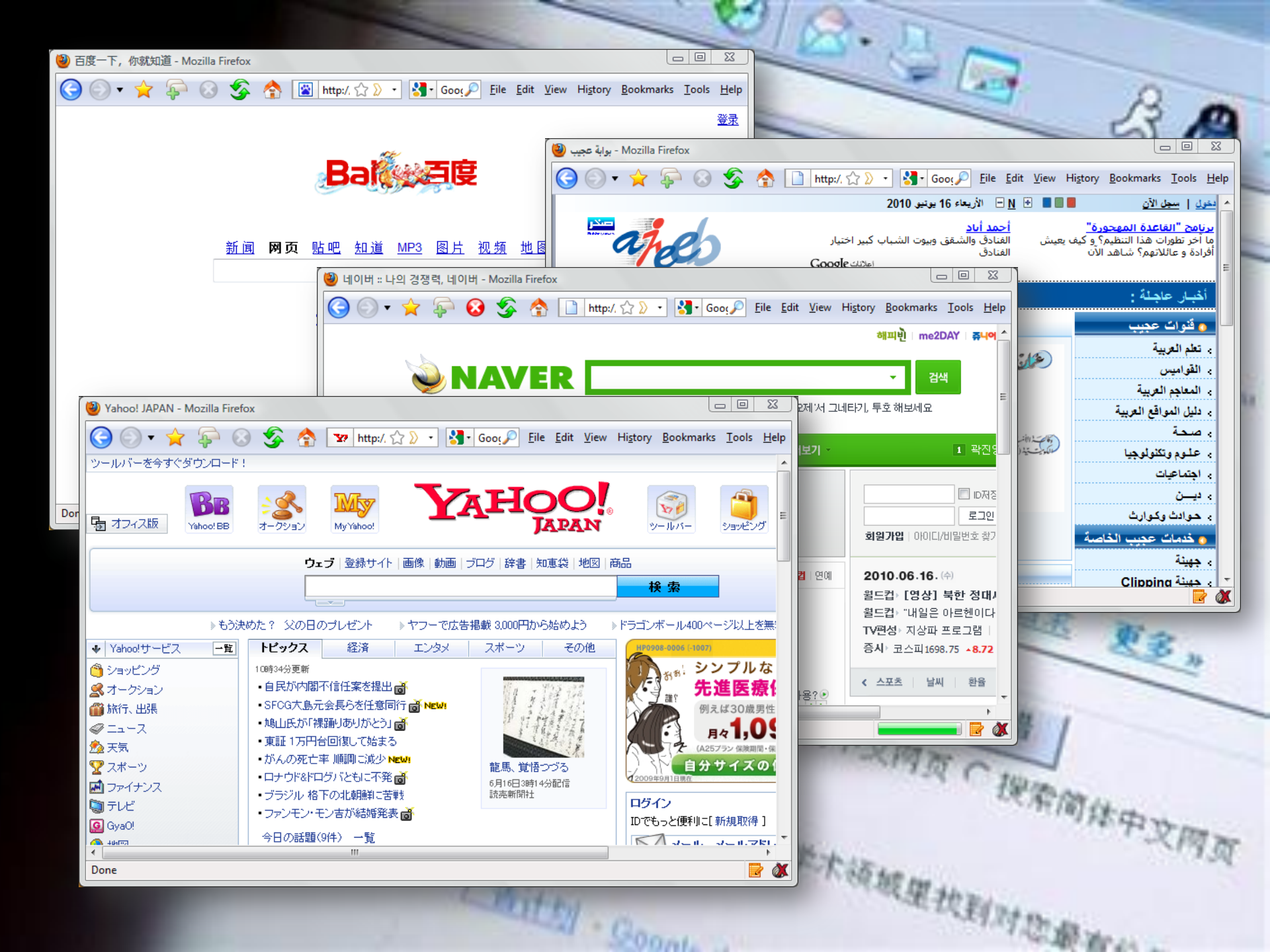
Businesses Use Local Language

EAI: Email Address Internationalization

café@domain.london

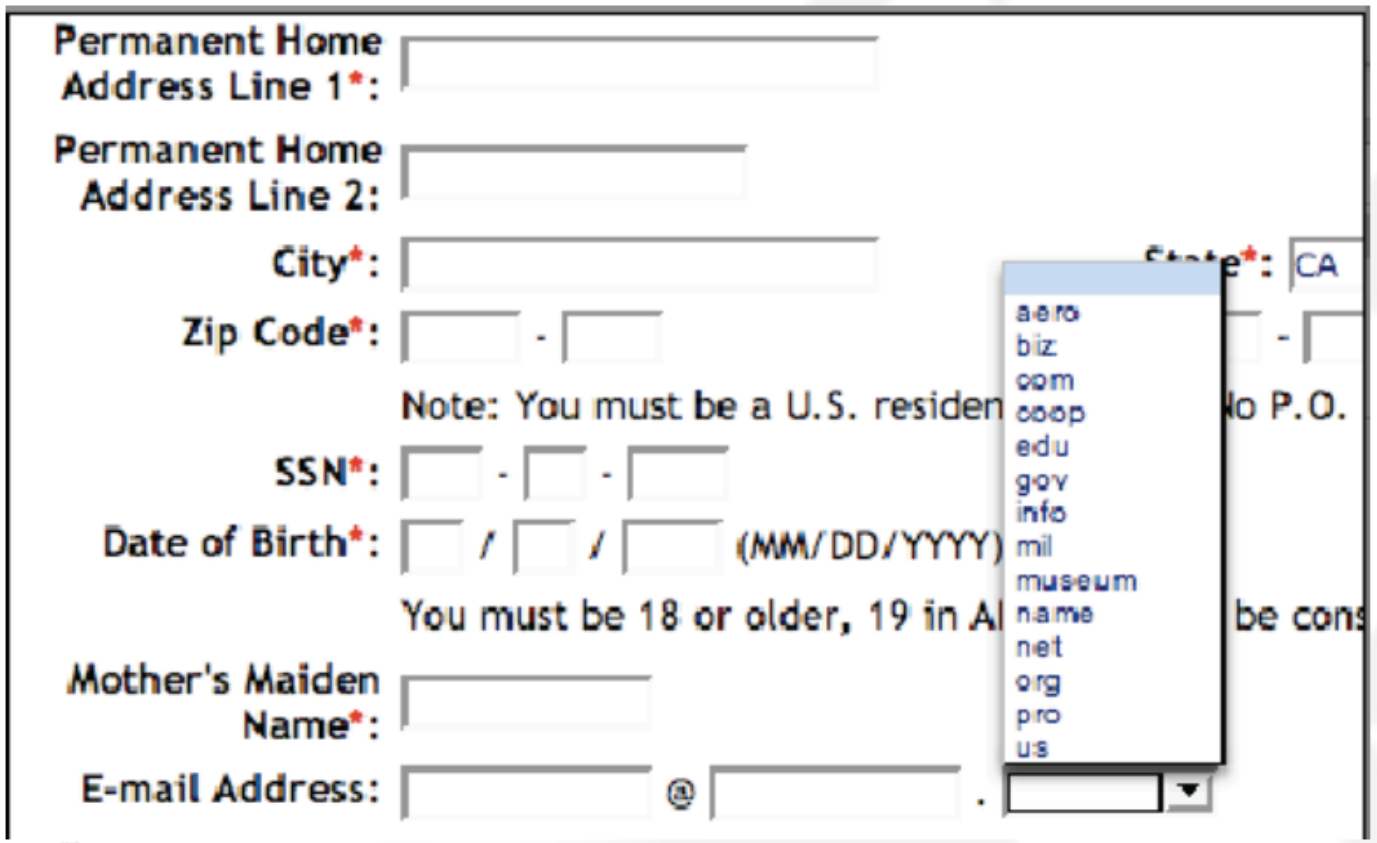
中文@域名.asia

сайт@рус. дети


百度一下，你就知道 - Mozilla Firefox
File Edit View History Bookmarks Tools Help
登录
新闻 网页 贴吧 知道 MP3 图片 视频 地图
بوابة عجيب - Mozilla Firefox
الأربعاء 16 يونيو 2010
أحمد أباد
الفنادق والشقق وبيوت الشباب كبير اختيار الفنادق
برنامج "القاعدة المهجورة"
ما آخر تطورات هذا التنظيم؟ و كيف يعيش أفراده و عائلاتهم؟ شاهد الآن
أخبار عاجلة :
قنوات عجيب
تعلم العربية
القواميس
المعاجم العربية
دليل المواقع العربية
صحة
علوم وتكنولوجيا
اجتماعيات
حوادث وكوارث
خدمات عجيب الخاصة
جهينة
네이버 :: 나의 경쟁력, 네이버 - Mozilla Firefox
NAVER
검색
Yahoo! JAPAN - Mozilla Firefox
ツールバーを今すぐダウンロード！
YAHOO! JAPAN
ウェブ | 登録サイト | 画像 | 動画 | ブログ | 辞書 | 知恵袋 | 地図 | 商品
検索
Yahoo!サービス
ショッピング
オークション
旅行、出張
ニュース
天気
スポーツ
ファイナンス
テレビ
GyaO!
トピックス
経済
エンタメ
スポーツ
その他
龍馬、覚悟つづる
ログイン
Done

What does “Universal Acceptance” Mean?

Acceptability Issues Example



Firefox

Welcome to Facebook - Log In, Sign Up ...

https://www.facebook.com/index.php?stype=lo&lh=Ac9ocPt4jyR2w6pz

Google

facebook

Email or Phone

Password

Keep me logged in

Forgot your password?

Heading out? Stay connected

Visit facebook.com on your mobile phone.

Get Facebook Mobile

Sign Up

It's free and always will be.

First Name: Using IDN

Last Name: email

Your Email: someone@idndomain.中國

Re-enter Email: someone@idndomain.中國

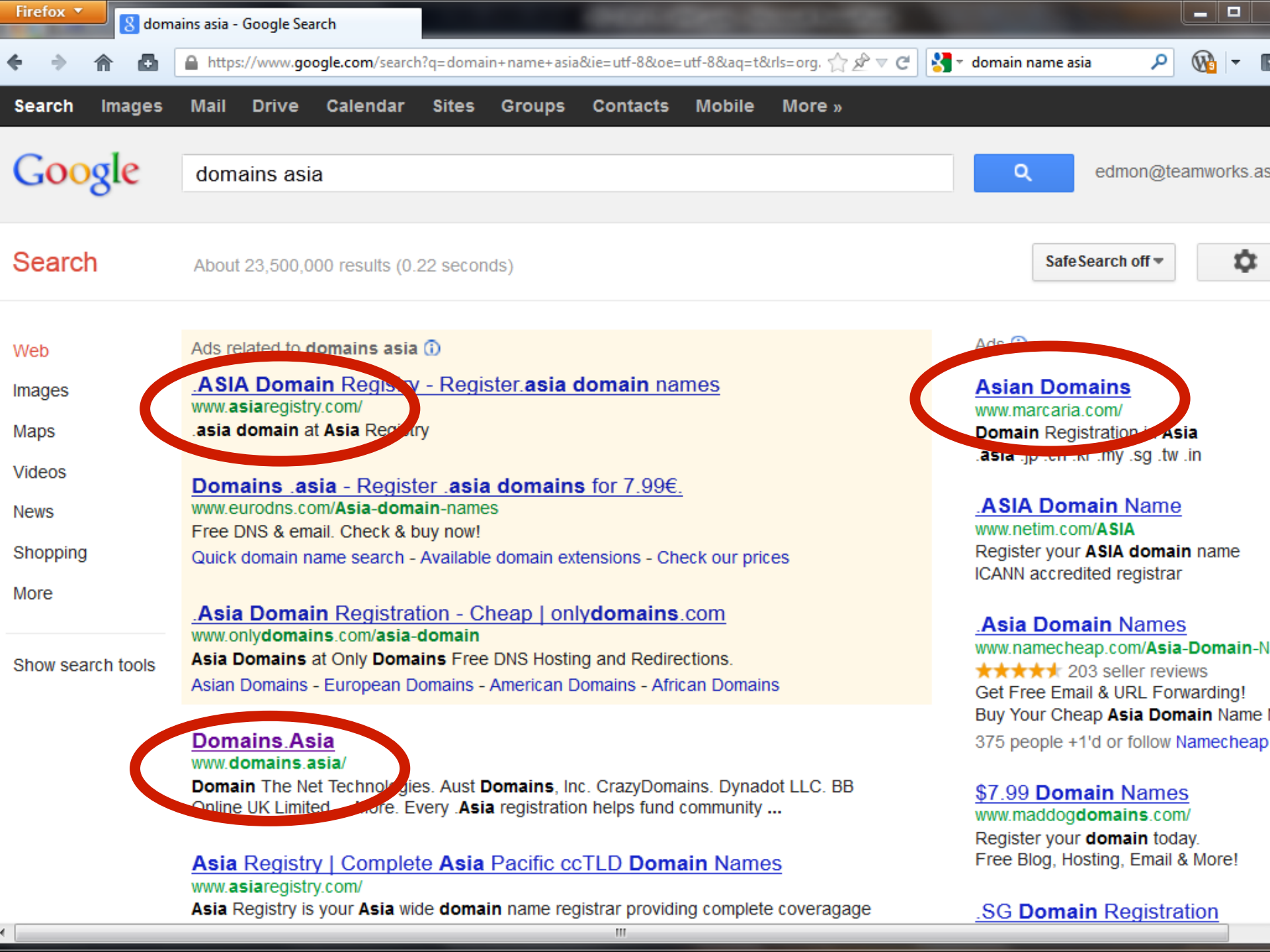
New Password: ••••••

I am: Male

Birthday: Aug 10 1981

Why do I need to provide my birthday?

Please enter a valid email address.


Firefox
domains asia - Google Search
https://www.google.com/search?q=domain+name+asia&ie=utf-8&oe=utf-8&aq=t&rls=org.
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Search Images Mail Drive Calendar Sites Groups Contacts Mobile More »
Google
domains asia
edmon@teamworks.as
Search
About 23,500,000 results (0.22 seconds)
SafeSearch off
Web
Images
Maps
Videos
News
Shopping
More
Show search tools
Ads related to domains asia
.ASIA Domain Registry - Register.asia domain names
www.asiaregistry.com/
.asia domain at Asia Registry
Domains .asia - Register .asia domains for 7.99€.
www.eurodns.com/Asia-domain-names
Free DNS & email. Check & buy now!
Quick domain name search - Available domain extensions - Check our prices
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www.onlydomains.com/asia-domain
Asia Domains at Only Domains Free DNS Hosting and Redirections.
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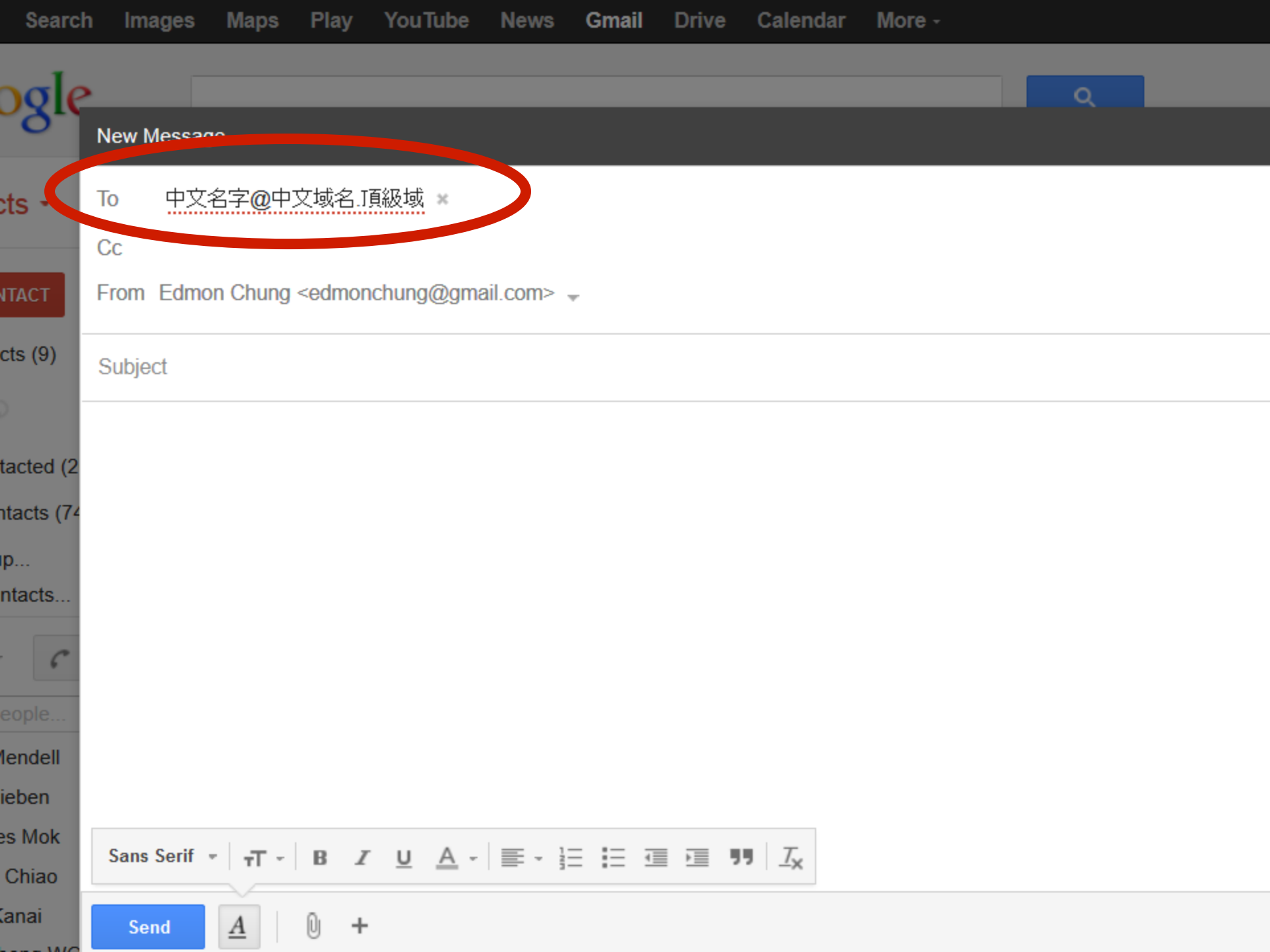
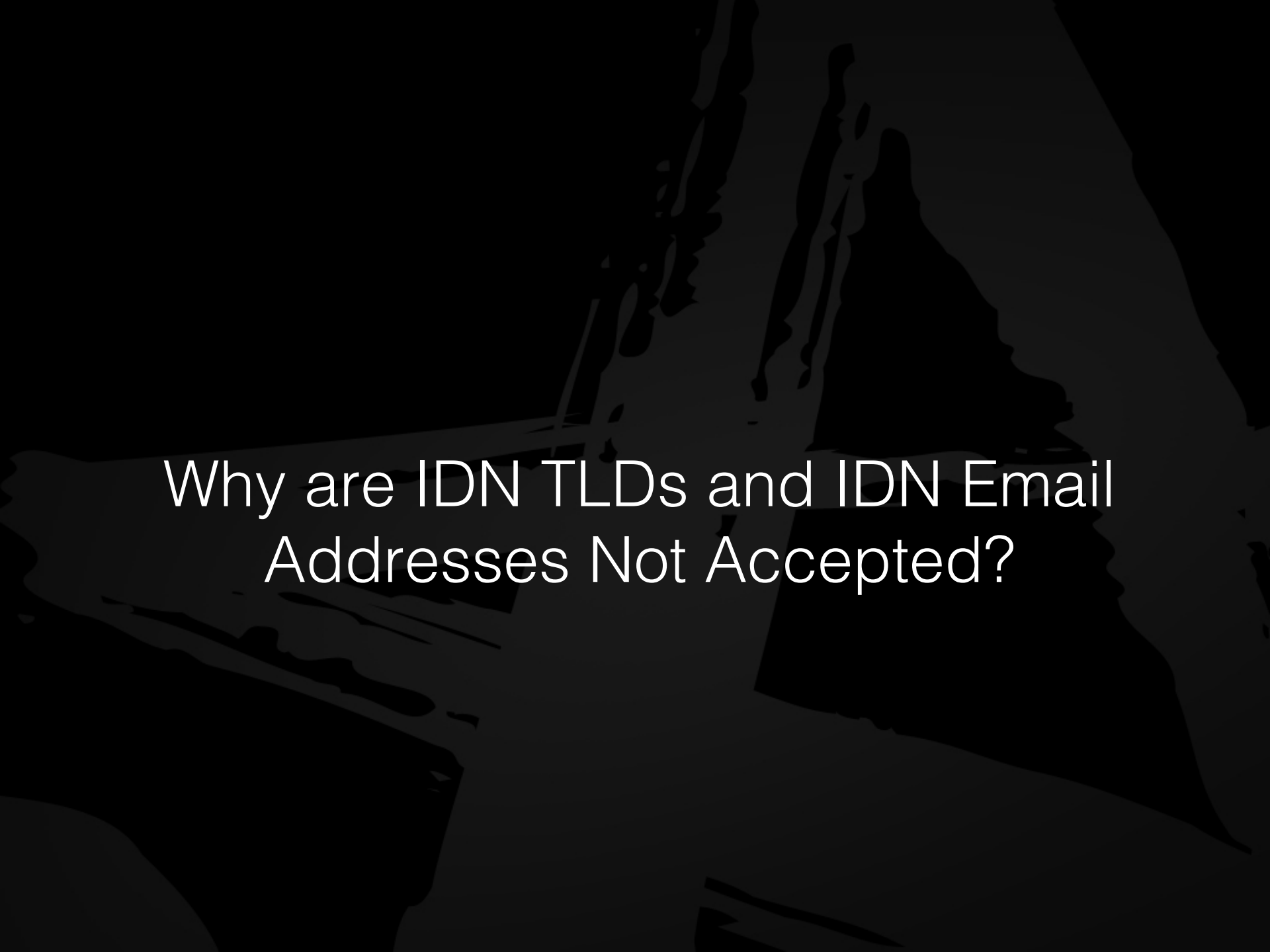
Domains.Asia
www.domains.asia/
Domain The Net Technologies. Aust Domains, Inc. CrazyDomains. Dynadot LLC. BB Online UK Limited ...more. Every .Asia registration helps fund community ...
Asia Registry | Complete Asia Pacific ccTLD Domain Names
www.asiaregistry.com/
Asia Registry is your Asia wide domain name registrar providing complete coveragage
Ads
Asian Domains
www.marcaria.com/
Domain Registration ... Asia
.asia .jp .cn .kr .my .sg .tw .in
.ASIA Domain Name
www.netim.com/ASIA
Register your ASIA domain name
ICANN accredited registrar
.Asia Domain Names
www.namecheap.com/Asia-Domain-N
203 seller reviews
Get Free Email & URL Forwarding!
Buy Your Cheap Asia Domain Name
375 people +1'd or follow Namecheap
$7.99 Domain Names
www.maddogdomains.com/
Register your domain today.
Free Blog, Hosting, Email & More!
.SG Domain Registration


Search Images Maps Play YouTube News Gmail Drive Calendar More
New Message
To 中文名字@中文域名.頂級域
Cc
From Edmon Chung <edmonchung@gmail.com>
Subject
Sans Serif
Send


Why are IDN TLDs and IDN Email Addresses Not Accepted?

Example of Hard-Coded List

```
$_gtld = array(
        'aero',
        'biz',
        'cat'
```

Example of String Length Check

But you can do much more with regular expressions. In a text editor like EditPad Pro or a specialized text processing tool like PowerGREP, you could use the regular expression \b[A-Z0-9._%+-]+@[A-Z0-9.-]+\.[A-Z]{2,4}\b to search for an email address. *Any* email address, to be

```
481         "vc",
482         "ve",
483         "vg",
484         "vi",
485         "vn",
486         "vu",
487         "wf",
488         "ws",
```

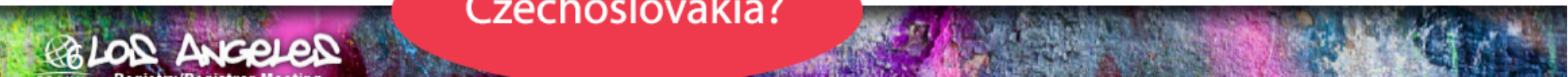
```
'az','ba','bb','bd',
'be','bf','bg','bh',
'bi','bj','bm','bn',
'bo','br','bs','bt',
'bu','bv','bw','by',
'bz','ca','cc','cd',
'cf','cg','ch','ci',
'ck','cl','cm','cn',
'co','cr','cs','cu',
'cv','cy','cz',
'dk','dm',
```

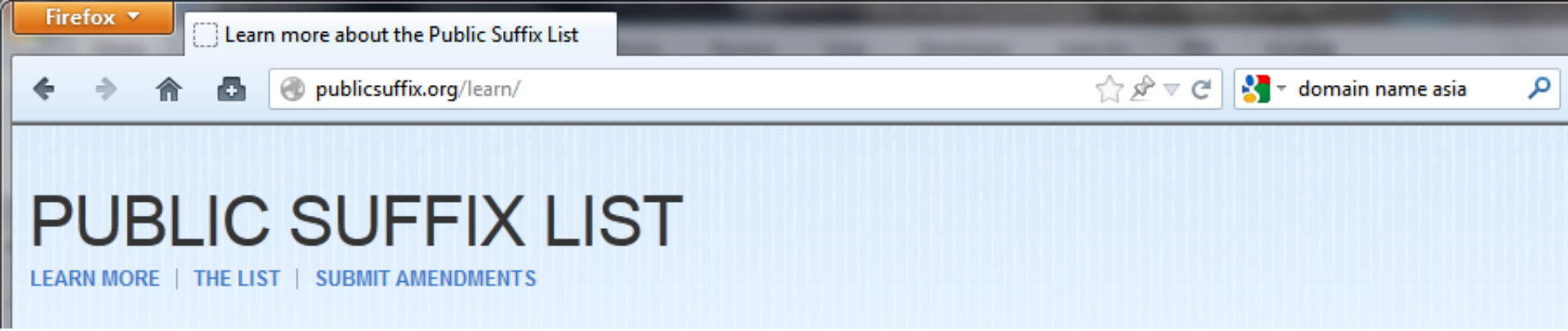
```
renadines

Samoa)
```

```
        'museum',
        'name',
        'net',
        'org',
        'pro',
        'travel',
        'asia',
        'post',
        'tel',
        'geo',
    )
```

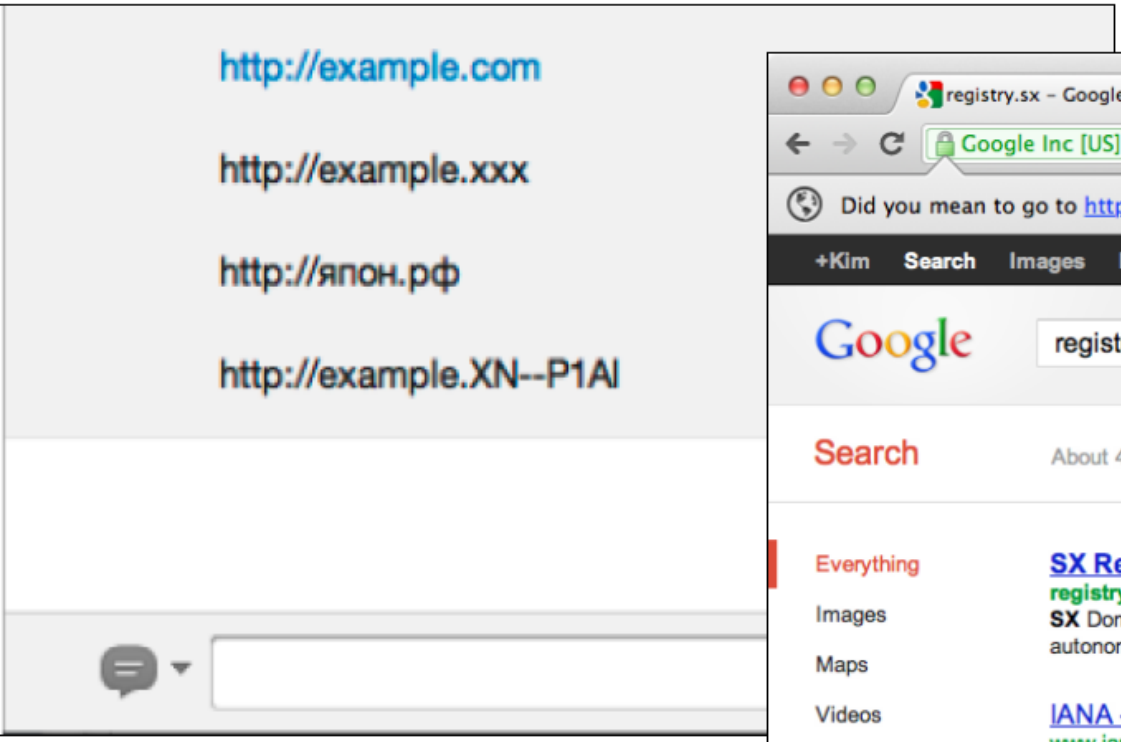
.geo?

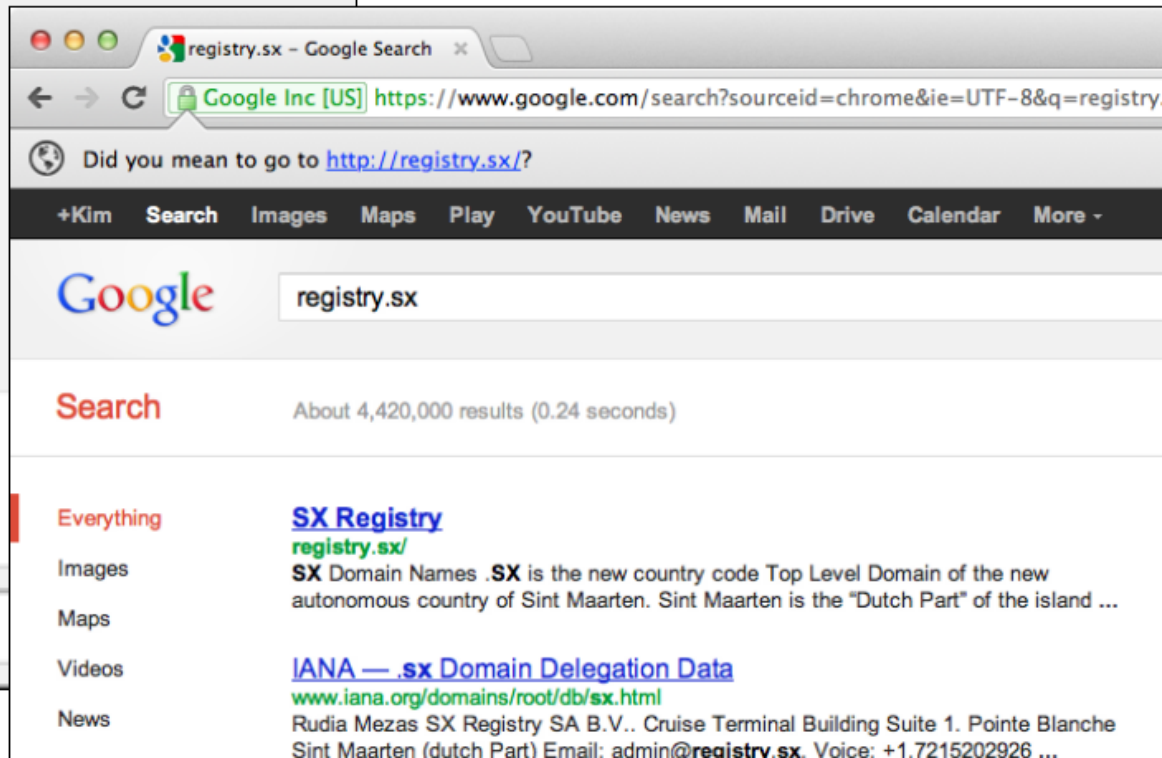
Czechoslovakia?





Acceptability Issues Example





Verify Email Address

www.VerifyEmailAddress.org

Language: English Español

Tired Of Verifying Emails One At A Time? NEW: Bulk Email Verification! Click here.

Your Free Email Address Verifier - Verify Email addresses

Just enter any Email Address here to verify if it exists:

Enter Email ID to Check:

a@a.com

Validate MX Record

The page at localhost:8101 says:

MX Record is NOT Valid.

OK

Mailing List Wizard: Configure Filters

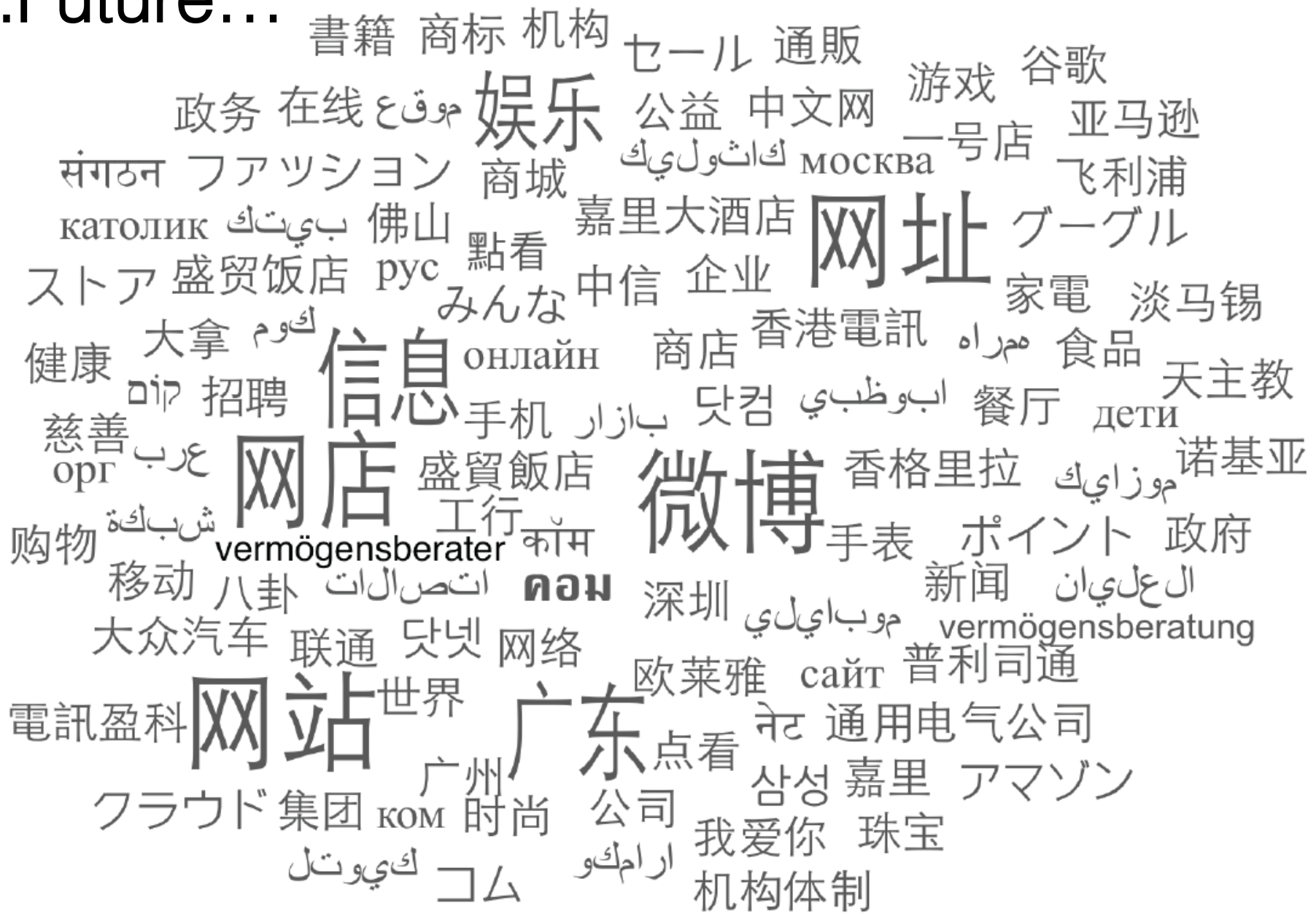
Filter settings

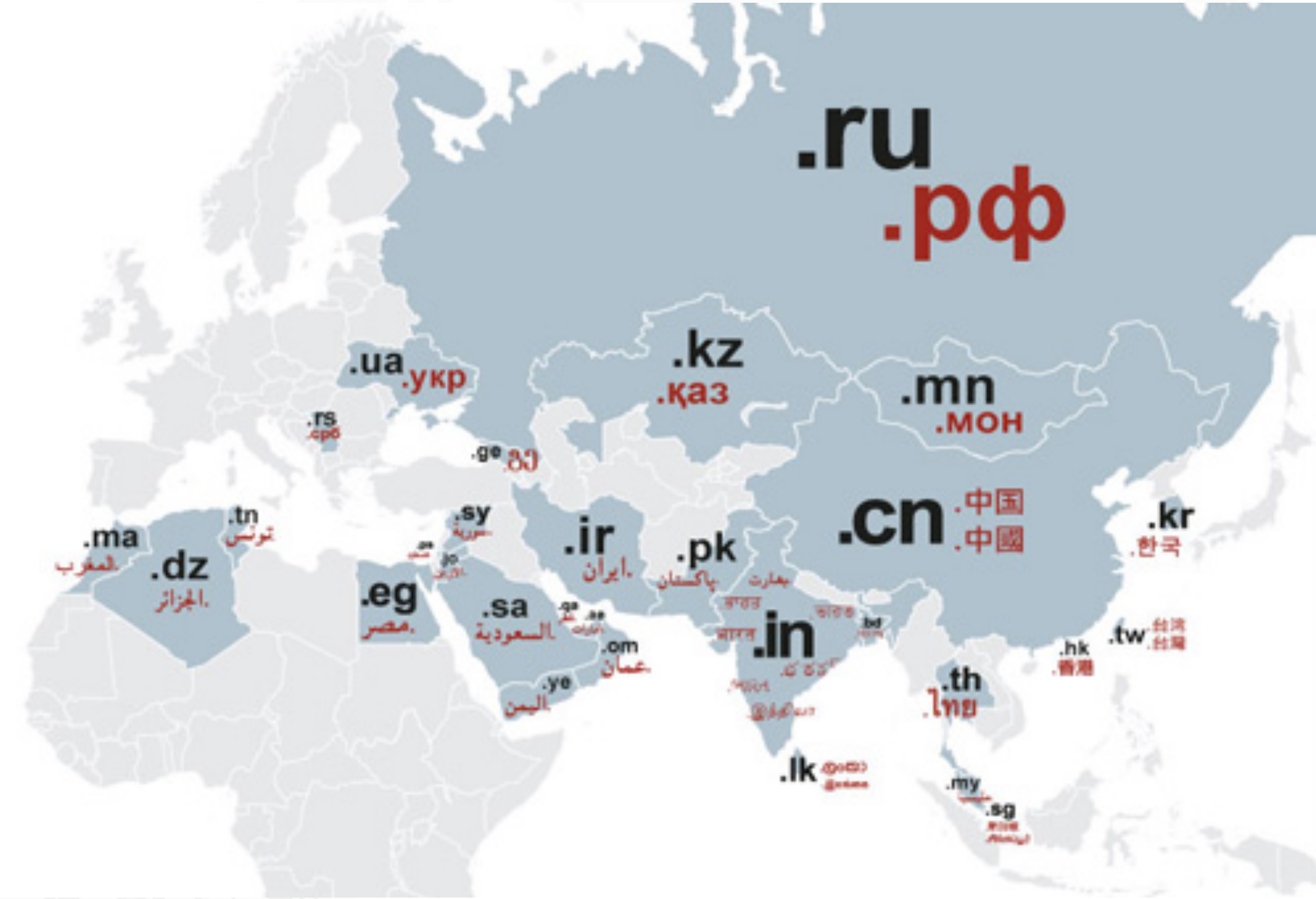
You can use substrings, wildcards, and regular expressions

- [x] Delete emails which contain: SPAM, REMOVE
  - (•) Substrings, comma separated
  - ( ) Regular expression
  - ( ) Wildcards, comma separated (* and ? are allowed)
- [ ] Delete which NOT contain: .*com$
  - ( ) Substrings, comma separated
  - (•) Regular expression
  - ( ) Wildcards, comma separated (* and ? are allowed)
- [ ] Apply filters to entire address including user names
- [ ] Verify emails by first-level domains list — Edit first-level domains list
- [x] Delete invalid email addresses
- [ ] Remove addresses with more than [ ] numeric characters in mailbox name

< Back | Next > | Cancel | Help

.Future…


書籍
商标
机构
セール
通販
游戏
谷歌
政务
在线
娱乐
公益
中文网
亚马逊
一号店
संगठन
ファッション
商城
москва
飞利浦
католик
佛山
嘉里大酒店
网址
グーグル
ストア
盛贸饭店
рус
點看
中信
企业
家電
淡马锡
みんな
大拿
香港電訊
食品
健康
онлайн
商店
天主教
招聘
信息
手机
餐厅
дети
慈善
网店
盛貿飯店
微博
香格里拉
诺基亚
орг
工行
手表
ポイント
政府
购物
vermögensberater
移动
八卦
深圳
新闻
vermögensberatung
大众汽车
联通
网络
欧莱雅
сайт
普利司通
网站
世界
广东
通用电气公司
電訊盈科
点看
广州
삼성
嘉里
アマゾン
クラウド
集团
ком
时尚
公司
我爱你
珠宝
机构体制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.lk
.my
.sg

JIG: Joint ccNSO-GNSO IDN Working Group

Proposed Recommendations

A. Recommend IDN TLD operators (including IDN ccTLD, IDN gTLD and IDN gTLD Accredited Registrars) to support **Universal Acceptance of IDN TLDs in their own systems**

B. Allocate **specific resources for the advocacy** of Universal Acceptance beyond the development of informational materials and toolkits

C. Development of **informative reference materials for new IDN TLDs** (including gTLD and ccTLD) to handle issues of Universal Acceptance

D. Direct efforts, lead by staff, with the participation from the community, for further studies to investigate the scope of the issue and what other services or actions could be taken by **ICANN to support the Universal Acceptance of IDN TLDs beyond outreach and awareness campaigns**

Proposed Recommendations

A. Get Our Own Act Together

B. Make it a Strategic Initiative for ICANN

C. Support for New IDN TLDs: Best Practices

D. Beyond Outreach: Be Proactive in Facilitating Community Beyond ICANN

gTLDs | New gTLDs | ccTLDs | IDNs | Prices | Partners | Tools | Hosting | Security | Trademark | Corporate Brand Protection

> Full IDNs > .中国 Domain Registration - China Domains

.中国

Search and Register

Enter your desired domain name and click Search.

www. somedomainname .中国 SEARCH

gTLDs | New gTLDs | ccTLDs | IDNs | Prices | Partners | Tools | Hosting | Security | Trademark | Corporate Brand Protection

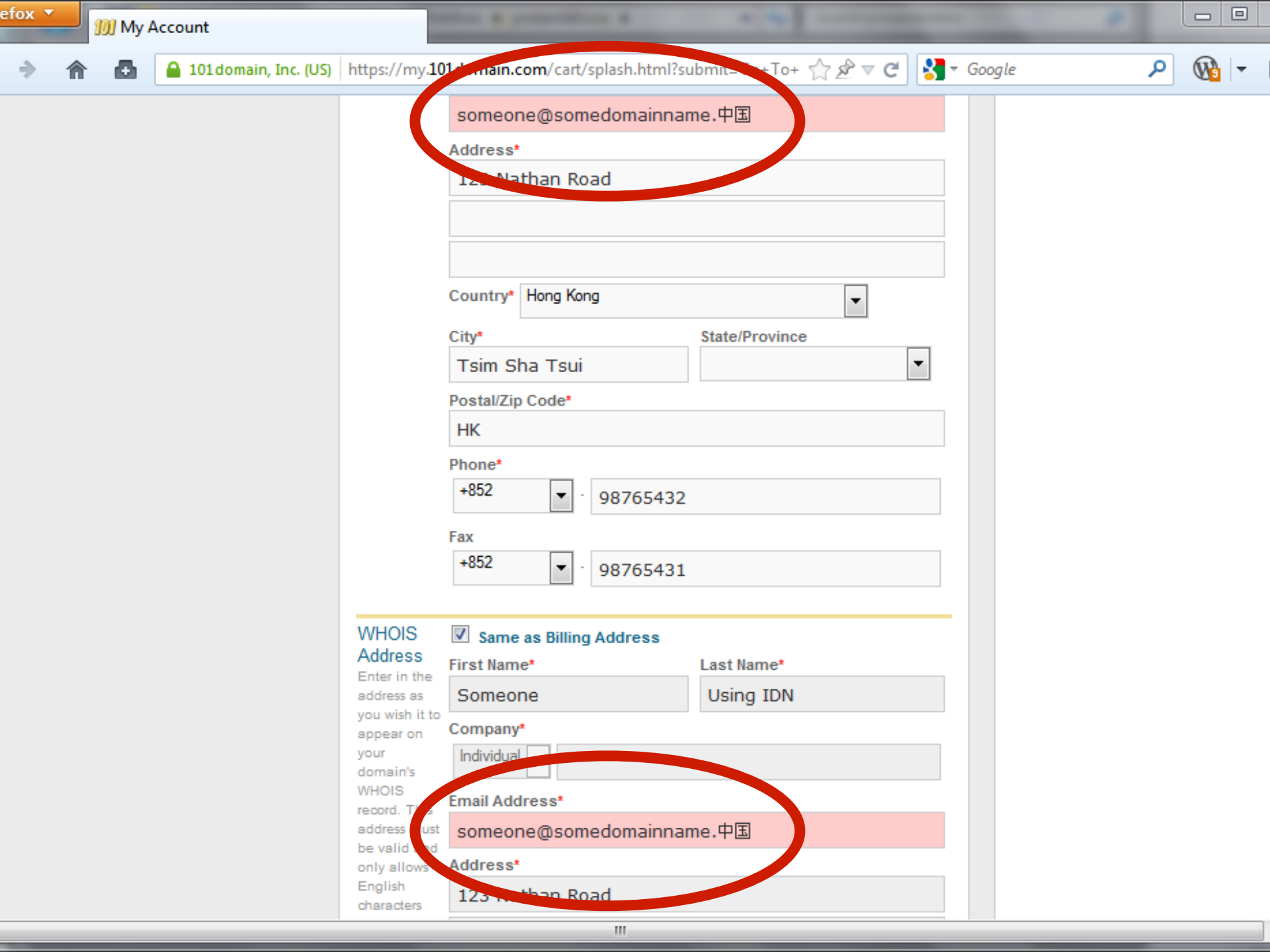
> Domain Availability Results

Select & Register

ADD TO CART

	Domain	Annual Fee	Setup Fee	Country / Category	Popular	Restriction	Trustee
☑	somedomainname.中国	39.95 USD / 1 Year	29.95 USD	China		Easy	

Also Available in these Domains


My Account
101domain, Inc. (US)
someone@somedomainname.中国
Address*
Nathan Road
Country*
Hong Kong
City*
Tsim Sha Tsui
State/Province
Postal/Zip Code*
HK
Phone*
+852
98765432
Fax
+852
98765431
WHOIS Address
Enter in the address as you wish it to appear on your domain's WHOIS record.
Same as Billing Address
First Name*
Someone
Last Name*
Using IDN
Company*
Individual
Email Address*
someone@somedomainname.中国
Address*

Universal Acceptance

Public Comments: July 18, 2014

Posted: June 18, 2014

Universal Acceptance Initiative

An Abridged Roadmap

Introduction to the Roadmap

Setting the Scene

The **Universal Acceptance** initiative is an effort to address potential user issues and obstacles observed in the use of new Top Level Domains, issues and obstacles rooted primarily in assumptions based on the TLD. This abridged roadmap, an outcome of the *JIG Final Report on Universal Acceptance of IDN TLDs*[1] plus other work, presents a proposal, based on community input to date, as to how ICANN's energy, resources, and actions should be applied as part of the initiative.

The abridged roadmap emphasizes ICANN's multi-stakeholder model by limiting its scope to ICANN's role and possible actions. Identifying and addressing the issues

Universal Acceptance Roadmap

- Create “Sense of Urgency”
- Active Facilitator and Catalyst
- Sustaining Momentum
- Foster Relationships (between stakeholders)
- Accepting reports of problems & successes

Preliminary Comments:

- More emphasis on IDN (less on new gTLDs)
- Cross community involvement to steer project
- Proactive collection of community knowledge & measures of success/failures
- ICANN / Registry / Registrar systems

Universal Acceptance of IDN is a matter of Consumer Trust

Registrants will be frustrated and End-Users will be confused, overall trust on the DNS will be harmed