

Webinar Information - Agenda

Introduction by Jia-Rong

APAC Webinar (Second Thursday Bi-monthly)

Remarks by Siranush, APRALO Chair

Presentation by Sarmad

- What are Internationalized Domain Names?
- IDN Work at ICANN
- Why and how you can get involved

Sharing by APRALO representative Edmon

- What does IDN mean to you?
- IDN from the Label Generation Ruleset (LGR) panel perspective

Q&A



Webinar Information

Dial-in Numbers: http://tinyurl.com/APACdial-in

Conference ID: 645 127 3995

In order to ask a question, you will either have to dial into the audio bridge (dial in details above) or type it in the Adobe Connect chat.

Q&A Session after the presentation:

- Questions submitted to ICANN prior to the webinar given priority
- Questions will be answered as time permits

Recordings & slides available after the webinar:

http://tinyurl.com/APACWebinars



Questions & Answers

Questions will be answered as time permits

Questions not answered during the session will be posted on wiki page

Adobe Connect questions

Send your question via the Q&A Pod

Phone questions

Dial *6 (star six) to unmute the line

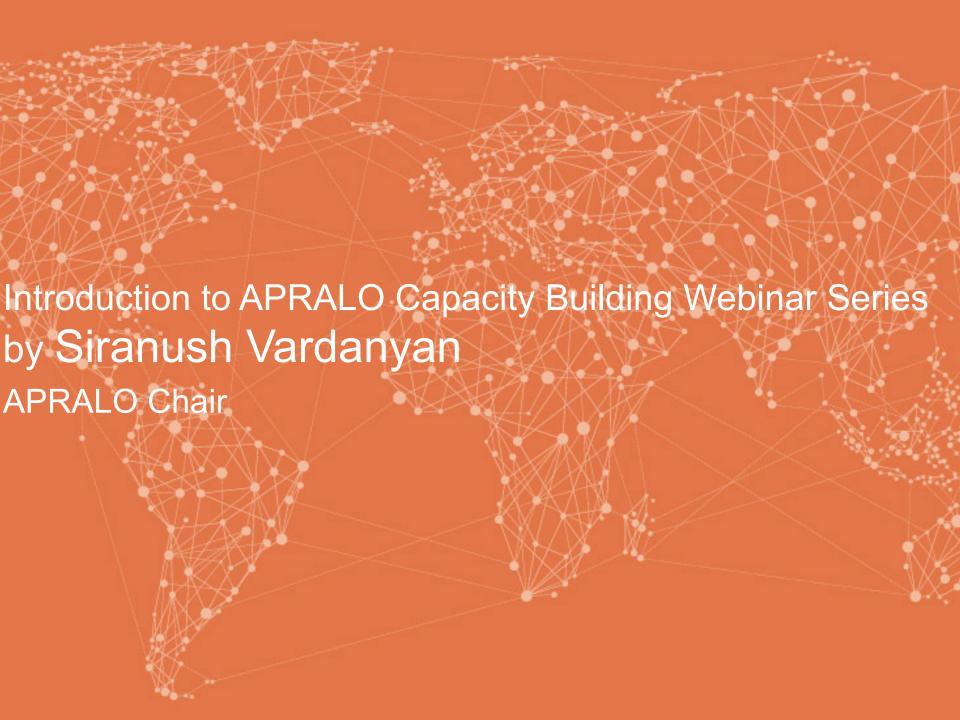
Recordings & slides available after the webinar

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Post-webinar survey

https://www.surveymonkey.com/s/Webinar-9April2015









IDN Program @ ICANN

Sarmad Hussain | IDN Program Sr. Manager | 9 April 2015

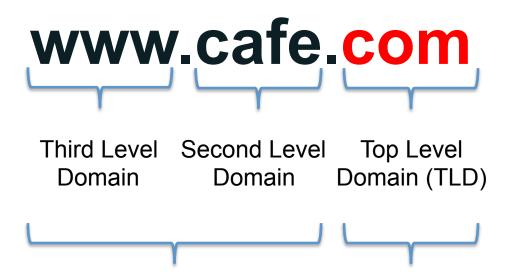
Agenda

- ⊙ What are Internationalized Domain Names (IDNs)?
- IDN work at ICANN
- Why and how you can get involved





ASCII Domain Name Label



Forming ASCII Labels Use LDH

- Letters [a-z]
- **D**igits [0-9]
- Hyphen (LDH)

Label length = 63

Other constraints (e.g. on hyphen)

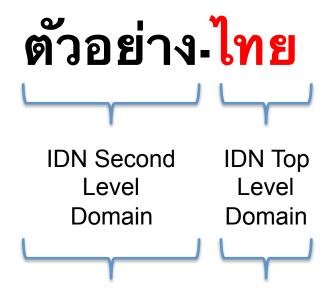
Forming ASCII Labels Use only Letters

Letters [a-z]

Label length = 63



Internationalized Domain Name (IDN) Labels



Syntax of IDN Labels
Valid U-Label: Unicode
code points as
constrained by IDNA2008
Valid A-Label - "xn--"
followed by punycode of
U-Label of length 59

Syntax of IDN Labels
Valid U-Label, further
constrained by the "letter"
principle for TLDs
Valid A-Label

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IDN Program @ ICANN

- IDNs at Top Level
 - IDN TLD Program
 - Label Generation Ruleset (LGR)
 - LGR Toolset
 - IDN Variant Implementation
 - IDN ccTLD Fast Track Process Implementation
- IDNs at Second Level for gTLDs
 - IDN Implementation Guidelines
 - IDN Tables
- Community Outreach and Involvement







IDN TLD Program

Determine Implement Identify Issues Define Problem Solution Solution Case Studies: Projects: Projects: Integrated Issues (2012-13)2 (2011-12) Report Arabic P1 LGR XML P1 LGR Specs. Specification and Toolset Chinese ш Sin **P2.1 LGR Process P2.2 LGR** PHASI Cyrillic **PHASE** for the Root Zone Development **PHASE** Devanagari P6 User P7 LGR Greek Implementation Experience Study for TLD Variants Latin

Community agreed to define a Label Generation Rules (LGR)

Reports and documentation of all completed projects available at: https://www.icann.org/resources/pages/reports-2013-04-03-en

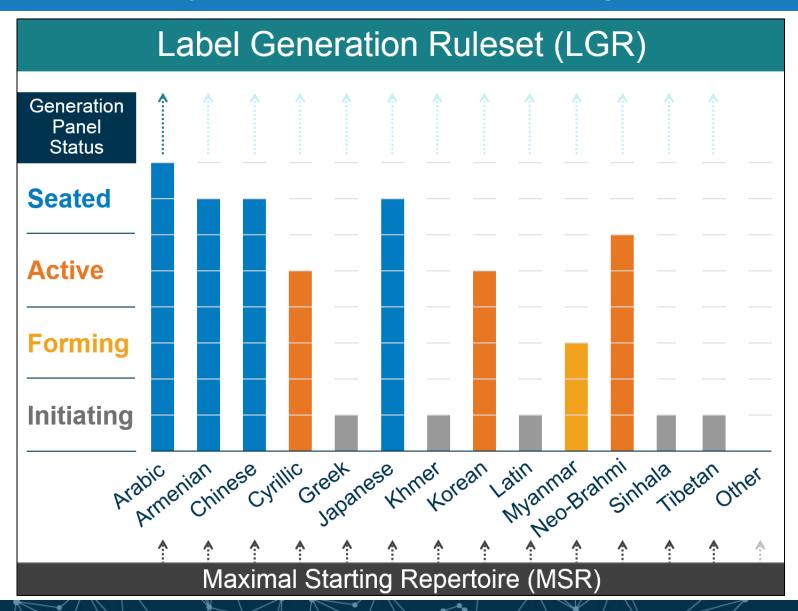


Label Generation Rules (LGR) for Root Zone

- For each script or writing system, for the Root Zone:
 - 1. Which code points are valid for use?
 - 2. Are any of these code points variants of each other?
 - 3. Are the any additional constraints on the labels?
- For the Root Zone, single "table" containing data for all scripts
 - Must be conservative, consistent and secure
 - Designed at script level



Root LGR by Generation and Integration Panels



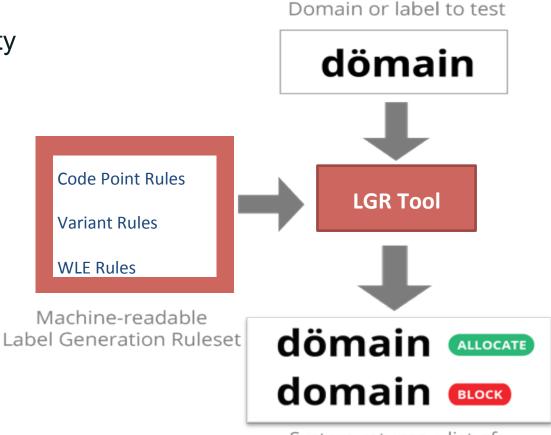


LGR Specification and Toolset

 LGR machine-readable specifications at <u>https://datatracker.ietf.org/doc/draft-davies-idntables</u>

Toolset functional priority

- Create LGR
- Manage LGRs
- Open source

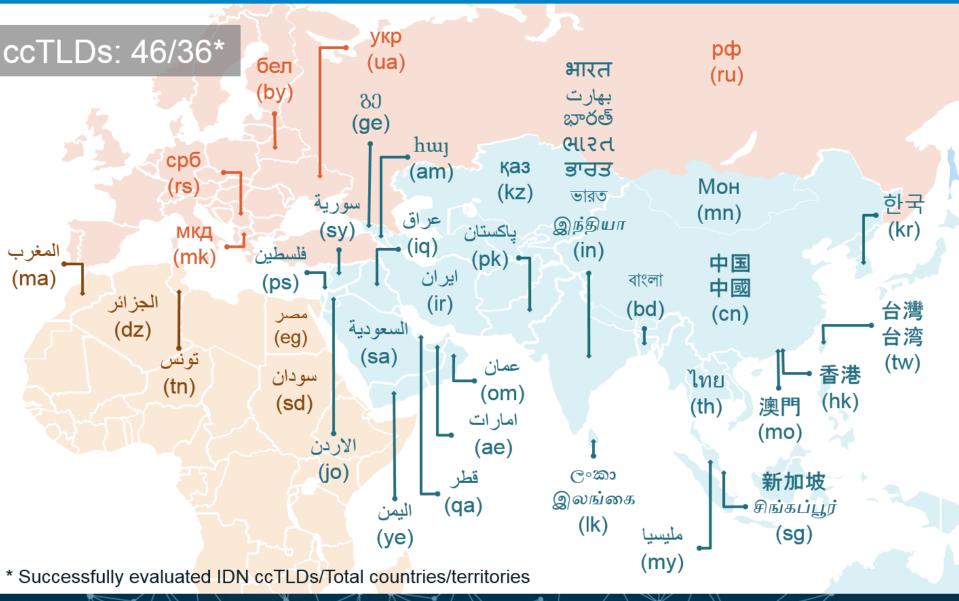


System returns a list of variants based on the rules

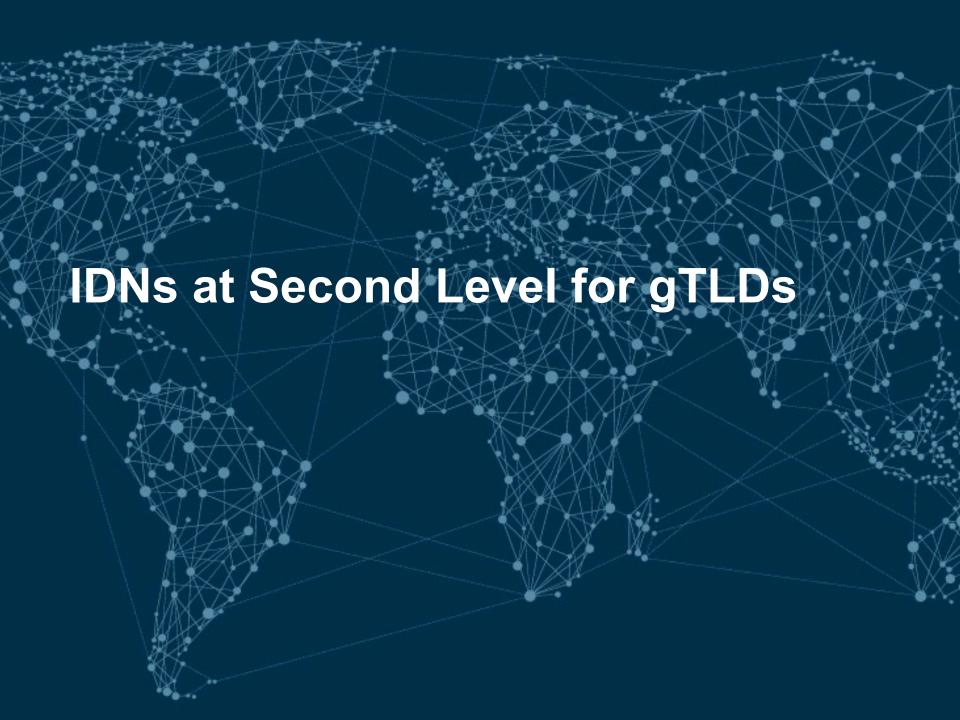




IDN ccTLD Fast Track Process







IDN Impl. Guidelines for the Second Level

- IDN registration policies and practices at the second level
 - Designed to minimize the risk or confusion for the consumer
 - Respect the interests of local languages and character sets
- - New IDN terminology due to IDN Variant TLD projects
 - Consistent, machine readable format for language tables
 - Updated content: IANA IDNA table with Unicode versions, MSR, LGR
 - Additional guidelines: informational RFC 6912, IDN TLD Variants User Experience study
- GNSO community at ICANN asked to initiate review
 - Current status initiating next revision



IDN Tables for the Second Level

- IDN Tables submitted by new gTLDs intending to offer IDNs at second level
 - Varied in the character repertoire and contextual rules
- Develop reference Label Generation Rulesets (LGRs) for facilitation and consistency in Pre-Delegation Testing (PDT) and the Registry Service Evaluation Process (RSEP)
- Promote reuse for secure and consistent end-user experience



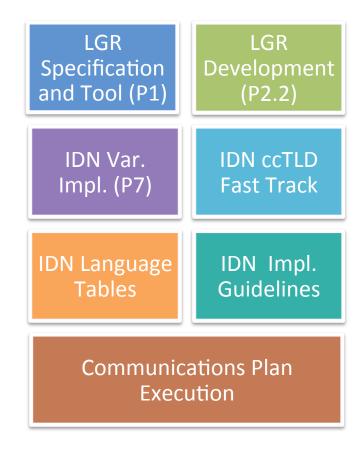
Communication and Outreach Efforts

- IDN Program sessions at ICANN meetings
- IDN Program updates to SOs/ACs at ICANN meetings
- Presentations at meetings
 - APTLD, APrIGF, ArabIGF, IGFs, TLDCON, AFRINIC, RIPE NCC
- Email communication to SOs/ACs call to action
- Blog for general community: http://blog.apnic.net/2014/09/30/speak-up-for-your-language/
- IDN pages at ICANN Community Wiki and ICANN Website
- IDN mailing lists

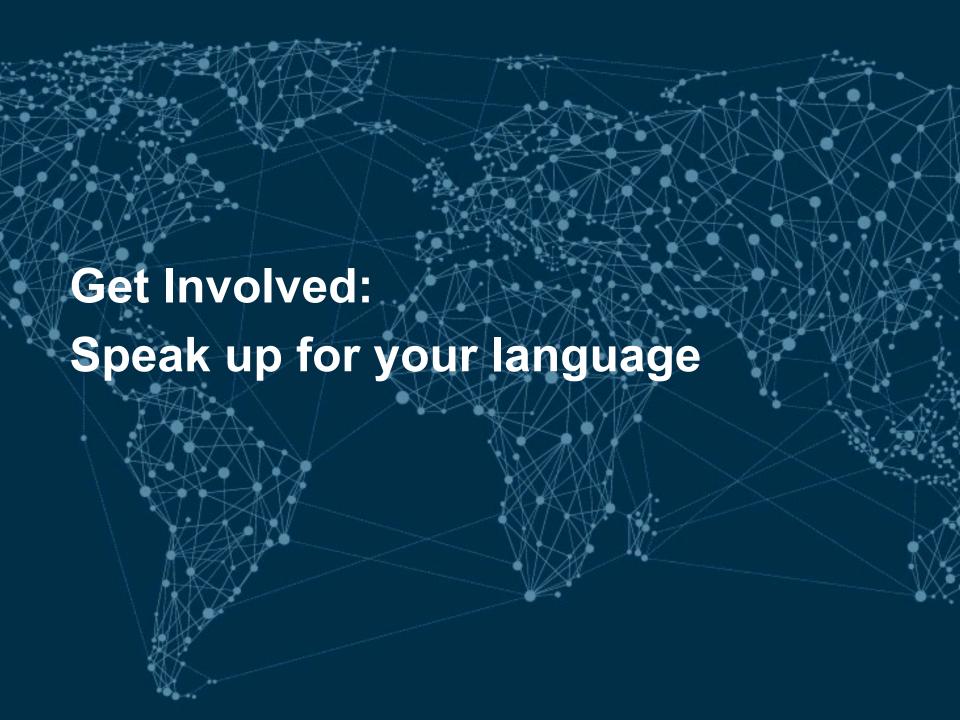


Summary of IDN Program @ ICANN

- ✓ IDNs at Top Level
 - ✓ IDN TLD Program
 - ✓ Label Generation Ruleset (LGR)
 - ✓ LGR Toolset
 - ✓ IDN Variant Implementation
 - ✓ IDN ccTLD Fast Track Process Implementation
- ✓ IDNs at Second Level for gTLDs
 - ✓ IDN Implementation Guidelines
 - ✓ IDN Tables
- Community Outreach and Involvement







How to get involved?

Volunteer

Volunteer for your script Generation Panel (GP)

To contribute expertise, contribute to the GP for your script. You can get involved by simply emailing your CV and a brief statement of interest to idntlds@icann.org

Review

Review work through public comments

Sign up for the IDN mailing list vip@icann.org (to sign up, visit https://mm.icann.org/listinfo/vip) and participated in the review of IDN work being done at ICANN through the public comments

Listen

Keep yourself updated

Attend regular IDN Program Update sessions at ICANN meetings and sign up on the IDN mailing list vip@icann.org to get updates on the IDN Program at ICANN





Useful Links for IDN Program @ ICANN

- To join a Generation Panel for your language, submit CV and statement of interest at: <u>idntlds@icann.org</u>; Call for Generation Panels: <u>http://www.icann.org/en/news/announcements/announcement-11jul13-en.htm</u>
- LGR Document Repository: https://community.icann.org/display/croscomlgrprocedure/Document+Repository
- Community Wiki for LGR Project: https://community.icann.org/display/croscomlgrprocedure/Root+Zone+LGR+Project
- IDN ccTLD Fast Track Page: https://www.icann.org/resources/pages/string-evaluation-completion-2014-02-19-en
- IDN Implementation Guidelines:
 https://www.icann.org/resources/pages/implementation-guidelines-2012-02-25-en



Engage with ICANN



Thank You and Questions

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