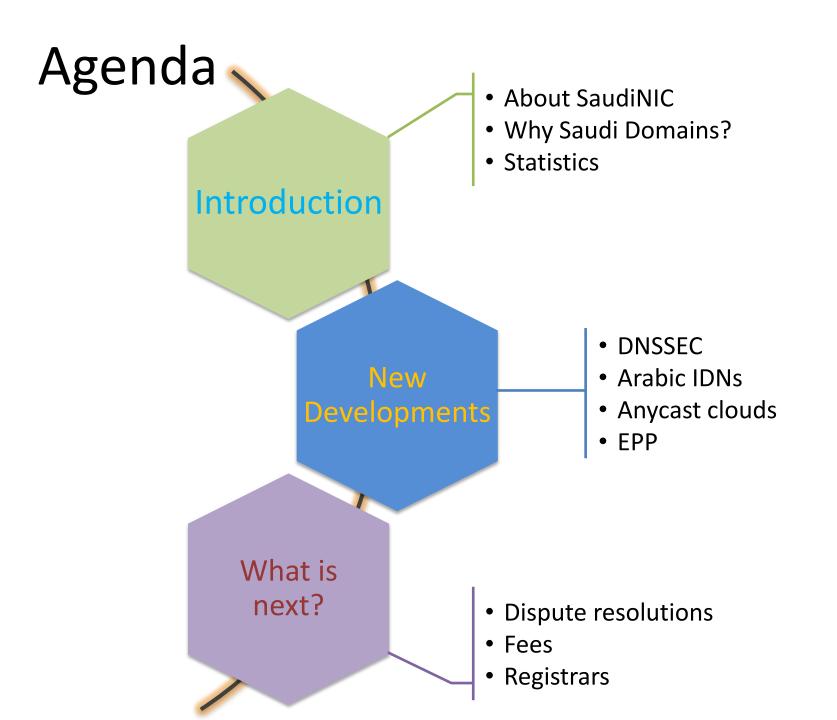
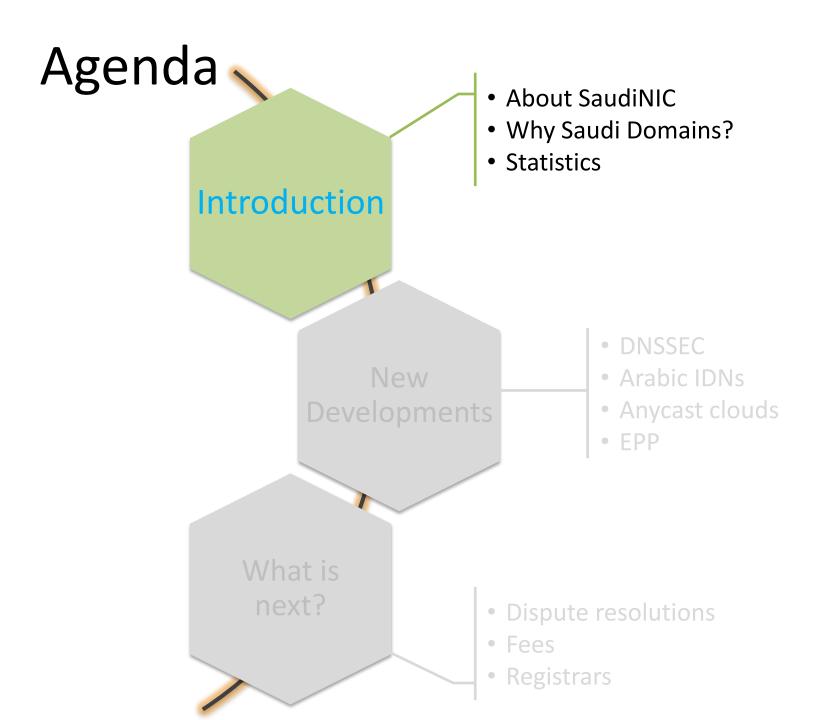




SaudiNIC updates on The Saudi TLDs (.sa and السعودية).)

Raed Alfayez, SaudiNIC ICANN60, Abu Dhabi, Oct 2017



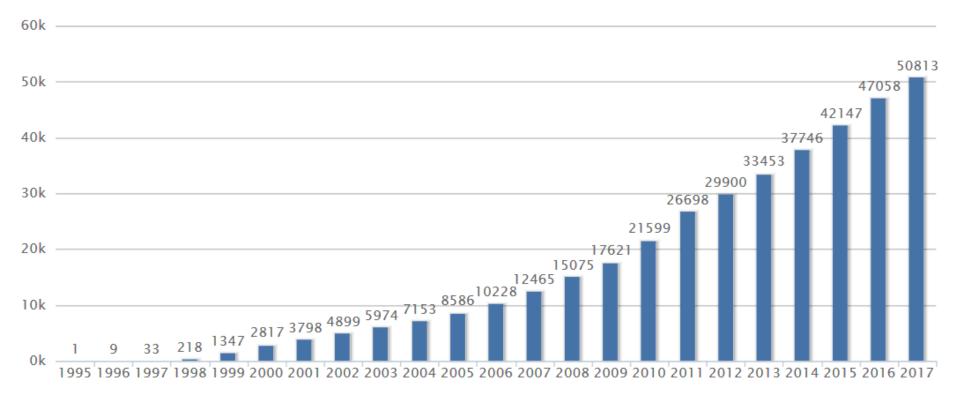


Introduction About SaudiNIC

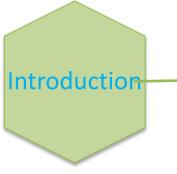
- Administering the domain name space under:
 - (.sa) since 1995
 - .) since 2010.
- Operated by a semi-government organization:
 - CITC (Communication and Information Technology Commission)
- Coordinating with regional and international bodies in order to present the local community needs
- Leading the local and regional communities efforts towards supporting Arabic language in Domain Names since 2001 (more than 15 years of experience)

- The main trusted choice for our customers due to the verification of:
 - The registrant's identity
 - The relationship between the registrant and the domain
 - The local Admin (SMS)
- Make it durable:
 - Instant registration within 10 min (if match our policies)
 - No phishing
 - Its free

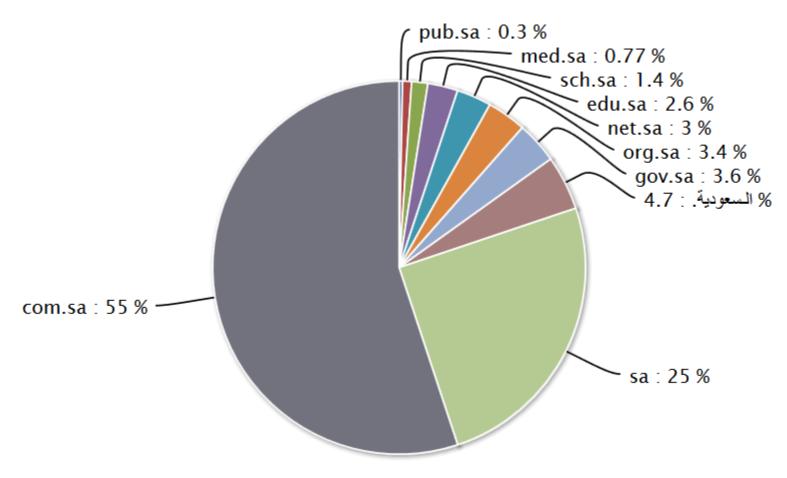




Up to 30 Sep 2017



Statistics 2LD/3LD Domain Names Distribution %



Up to 30 Sep 2017

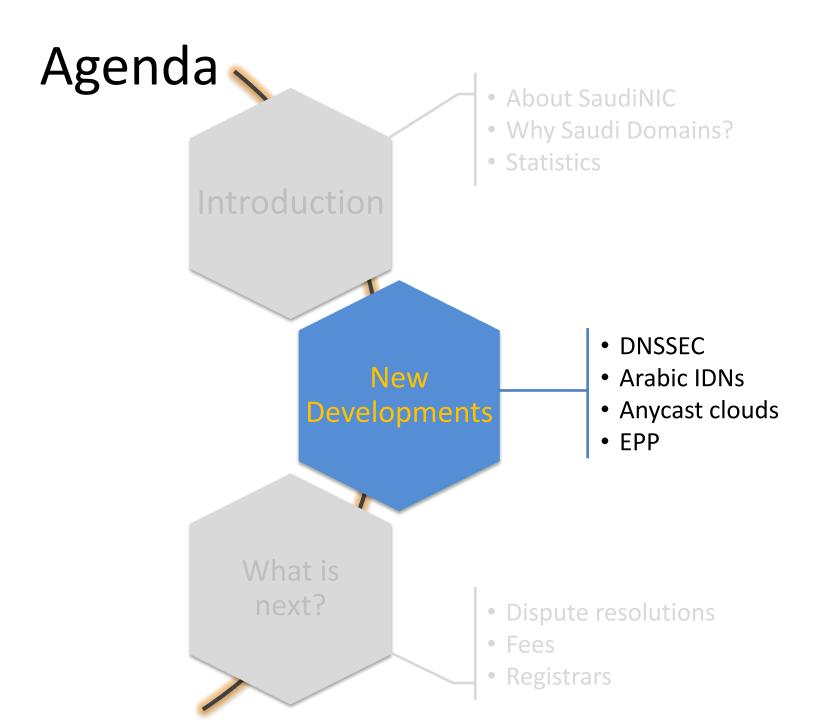


Registered domain names under (السعودية)

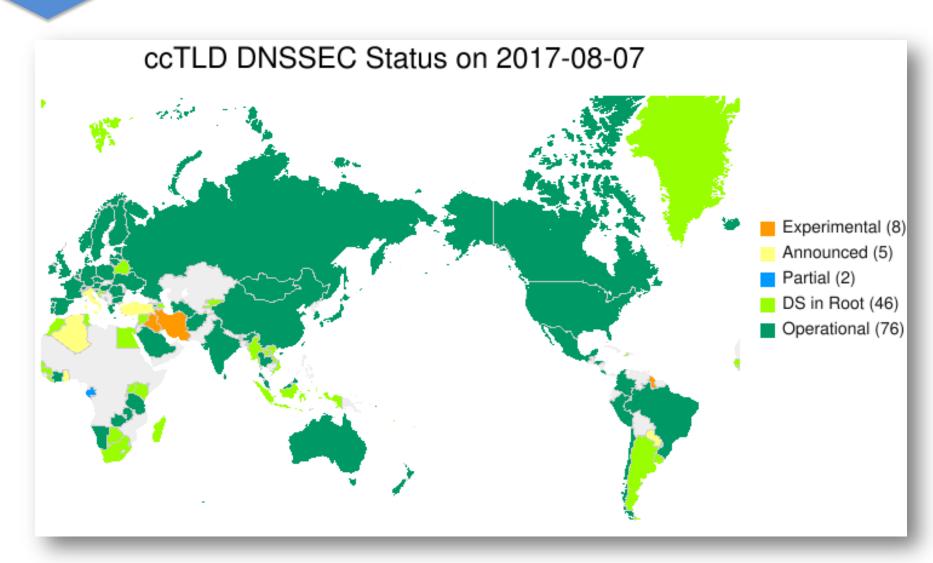
2,361 *

- 416 Variants
- within the Arabic language only (other languages are not yet available!)
- Average domain length 13
 - (min 2, max 47)
- % of spelling mistakes = 9% Domains
- % of spelling mistakes = 78% Variants
- *: Up to 30 Sep 2017

	# domains	occurrence
١	1787	4332
ي	1329	1944
ı	934	1795
\$0	772	1304
ك	659	757
٥	261	302
ų ,	186	194
s	87	87
ی	44	46
Ĩ	18	18



- The 1st Registry in the region to deploy and open DNSSEC for the registrants
 - Pilot under "السعودية" since 14 June 2016
 - Officially under ".sa" & "السعودية" since 22 June 2017
- Many awareness sessions:
 - 3 days training workshop (14-16 Oct 2015)
 - 25 participant
 - 2 days training workshop (7-8 May 2017)
 - 41 participant
 - 1 day public event (9 May 2017)
 - 120 participant



New Developments

DNSSEC

Key generation Ceremony





Roles Title Description SM SouthW Manager DOS DOSSC Soveraint SA System Administrator W Witness 1.2 Participants		Abbreviations Tale Beacrision Souther GUI Graphical User Interface State Heavier South Southern Southern State Brain South Southern Southern State Southern Southern Models State Southern Southern Models State Southern Southern State S		
Partic	Full Name		9	ignature
SM	Road Alfagez			-6
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SA	Deun Notengian			UND .
wi	Abolulariz H.	Al-Zoma	m	25
wi	Nassar S.	AHhir	ab	
wl	Anos Assiri			- i
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New Developments

DNSSEC

Workshop and public events





New Developments

DNSSEC

Workshop and public events









- Published our Language table in IANA with the new XML format (RFC 7940)
 - https://www.iana.org/domains/idn-tables/tables/xn-mgberp4a5d4ar ar 2.xml
- Published "SaudiNIC's Best Practices in Supporting and Managing Arabic Domain Names"
 - http://nic.sa/docs/SaudiNIC-BP-Supporting%20and%20Managing%20Arabic%20Domain%2 0Names%20-%2020170815.pdf
- Participate in the Task Force on Arabic Script IDNs(TF-AIDN) on these topics:
 - 2nd level LGR for the Arabic script
 - Universal acceptance for Arabic domains

New Developments Arabic IDNs

```
- <meta>
    <version>2</version>
    <date>2016-06-05</date>
    <language>ar</language>
    <scope type="domain">xn--mgberp4a5d4ar</scope>
  - <description type="text/plain">
      This document provides the IDN (Internationalized Domain Names) Language Table and guideline rules to be used for writing and registering Arabic Domain names
      the recommendations outlined in the RFC 5564; "Linguistic Guidelines for the Use of the Arabic Language in Internet Domains", that can be found in the following URL
      (azoman[at]citc.gov.sa), Saudi Network Information Center Raed Al-Fayez (rfayez[at]citc.gov.sa), Saudi Network Information Center Abdulrahman I. Al-Ghadir (aghad
   </description>
   <validity-start>2014-12-07</validity-start>
    <validity-end>2020-12-07</validity-end>
    <unicode-version>6.3.0</unicode-version>
  - <references>
      <reference id="0">The Unicode Standard, Version 6.3.0</reference>
    - <reference id="1">
        RFC 5564: "Linguistic Guidelines for the Use of the Arabic Language in Internet Domains", http://tools.ietf.org/html/rfc5564
      </reference>
    - <reference id="2">
        Guideline Rules for writing Arabic IDNs under the IDN ccTLD ((السووية), http://nic.net.sa/docs/Guidelines for writing Arabic IDNs under the IDN ccTLD V1.2-en.pdf
      </reference>
    </references>
  </meta>
- <data>
    <char cp="0621" ref="0 1 2"/>
  - <char cp="0622" ref="0 1 2">
      <var cp="0623" type="allocate" when="arabic-final-right-join" comment="Language variant"/>
      <var cp="0623" type="allocate" when="arabic-isolated-right-join" comment="Language variant"/>
      <var cp="0625" type="allocate" when="arabic-final-right-join" comment="Language variant"/>
      <var cp="0625" type="allocate" when="arabic-isolated-right-join" comment="Language variant"/>
      <var cp="0627" type="activate" when="arabic-final-right-join" comment="Language variant"/>
      <var cp="0627" type="activate" when="arabic-isolated-right-join" comment="Language variant"/>
      <var cp="0671" type="block" when="arabic-final-right-join" comment="Typo variant"/>
      <var cp="0671" type="block" when="arabic-isolated-right-join" comment="Typo variant"/>
      <var cp="0672" type="block" when="arabic-final-right-join" comment="Typo variant"/>
      <var cp="0672" type="block" when="arabic-isolated-right-join" comment="Typo variant"/>
      <var cp="0675" type="block" when="arabic-final-right-join" comment="Typo variant"/>
```





SaudiNIC's Best Practices

Supporting and Managing Arabic Domain Names

August 2017, Ver. 1.0

The intention of this best practice document is to share SaudiNIC's experiences and practices in supporting and managing Arabic domain names.

- Increasing the footprint for our secondary servers (Locally and globally):
 - 7 Secondary servers in 5 in Saudi Arabia (3 cities)
 and 2 outside Saudi Arabia
 - 200+ anycast servers with 2 different providers around the world
 - All have IPV4 & IPv6 & DNSsec



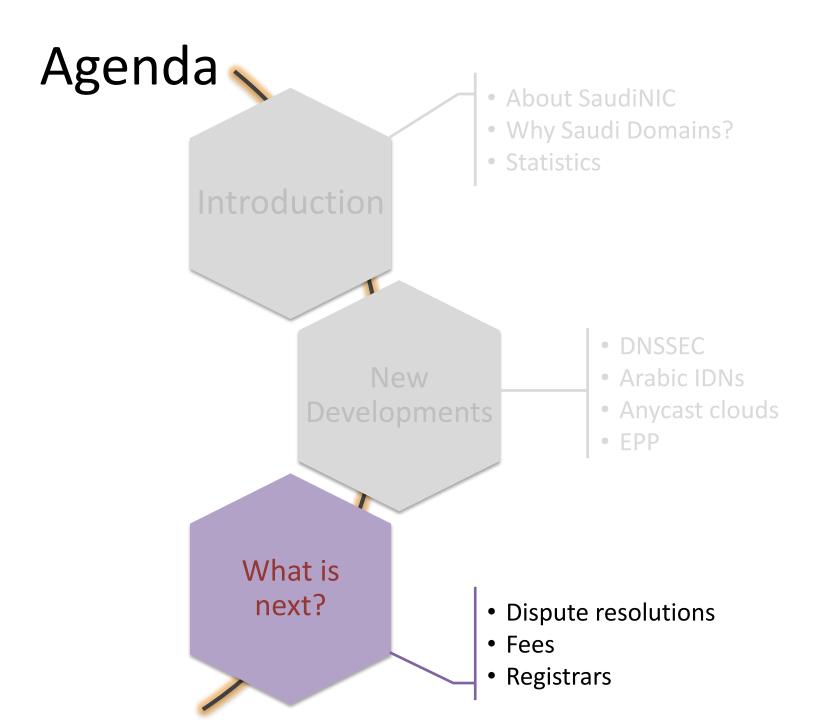
Anycast Clouds



Saudi ccTLDs DNS servers around the world



- Developed an in-house EPP system:
 - Compatible with the EPP's RFC
 - It is open source and developed by Saudi engineers
 - Each server can handle up to 100 trans/sec
 - Full support of Arabic Domains and its variants:
 - Master Key Algorithm & Variant Filters
 - Language tables in IANA's new XML format
 - Easy to add new extensions and business needs
 - Dedicated web interface for Registry and Registrants
 - .. and many other features (e.g. DNSSEC)



- Updating the regulations to allow SaudiNIC:
 - To have alternative dispute resolution process
 - To introduce fees
 - To accredit and license Registrars

Thank you



للمزيد من المعلومات يمكنكم زيارة: For more information you can visit:



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www.nic.sa



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www.citc.gov.sa