

zoman@isu.net.sa

(Domain Names)

-1

(IP Address)

255

.212.138.18.5

.[1] (domain names)

()

.(www.kacst.edu.sa)

[2] %1.4

.[3]

.[3]

[5 4]

[6] 2002 1:0.6

1:4 1996

: [3]

-
-
-
-
-
-

()

(ccTLDs)

(gTLDs)

-2

(1)

(com, net, org, edu, uk, sa, eg, ae, ...)

()

(com, net, gov, org, edu, mil)

[7]

(ISO 3166)

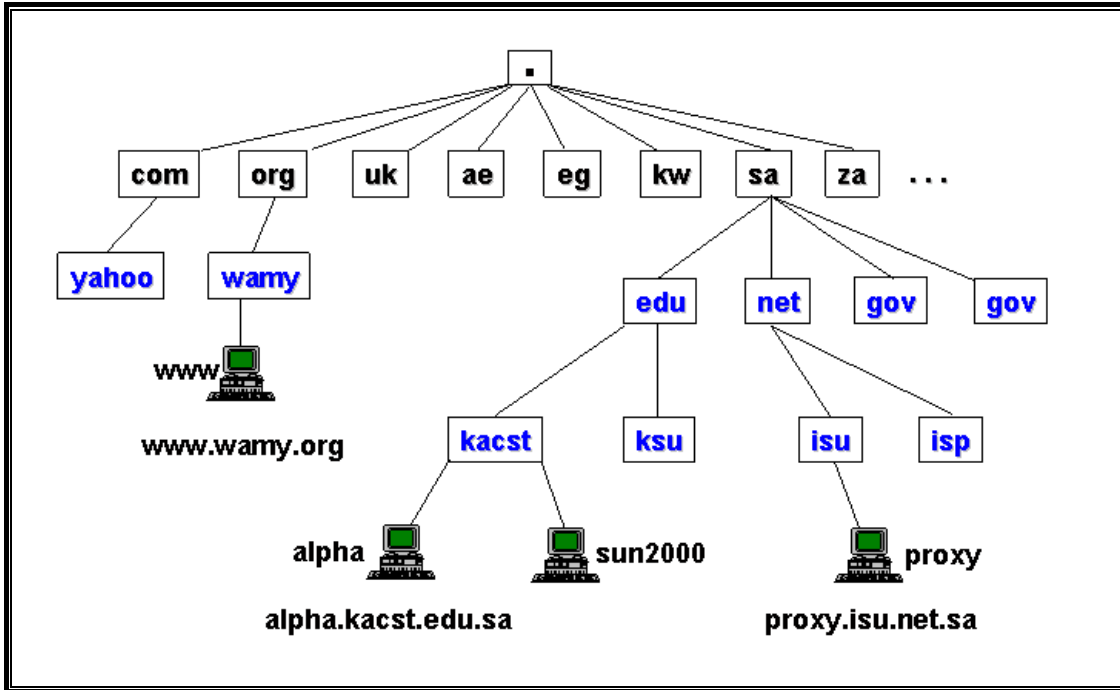
:

:(gTLD)

.1

biz, info,

com, net, org, edu,



:1

int

int, mil, gov

(un.int)

mil

edu (wipo.int)

gov

(ccTLD)

.2

[7]

()

()

(sa)

(TLD)

()

. (com, org, net)
()

www.kacst.edu.sa
ns1.isu.net.sa
www.yahoo.com
www.isoc.org
www.mcit.gov.eg

-3

(hosts.txt)

(IANA, Internet Assigned Numbers Authority) " "

" "

ICANN, Internet Corporation for Assigned Names and) " "

1999 (Numbers

1985 (IANA) (ccTLD)

[9] (IPC-1) " "

[8] (RFC 1591) 1994

1999

10]

(www.minc.org)

:[11

(www.icann.org)

(www.minc.org/arabic)

.(www.ietf.org)

:
 .(ccTLD) (gTLD)
(Arabic gTLD) -4

com, net,)

(1)

:(gov, org, edu, mil

:() •

(I-DNS, www.i-dns.net)

" "

" "

" "

:() •

**

" "

" "

" "

:() •

(www.nativesolutions.com)

(www.walid.com)

" "

" "

" "

+

:(1)

mil	org	gov	edu	net	com	

**

+

:

5

5 0

.()

:

6 ≥

- 6 =

6 <

0

=

(2)

:(2)

	mil	org	gov	edu	net	com	
5	5	5	5	5	5	5	
2.83	2	3	3	3	3	3	
1.33	1	1	1	1	2	2	

(3)

: (3)

	mil	org	gov	edu	net	com	
0.83	1	1	1	1	0	1	
3	4	2	3	4	3	2	
5	5	5	5	5	5	5	

)

.(

:

" . . . " " . . . - . . . " :

(4)

: (4)

	mil	org	gov	edu	net	com	
4	4	4	4	4	4	4	
1	1	1	1	1	1	1	
2.33	3	2	2	3	2	2	

(5)

" "

: (5)

	mil	org	gov	edu	net	com	
5	5	5	5	5	5	5	
3.17	4	3	3	4	3	2	
5	5	5	5	5	5	5	

(6)

(28)

" "

" " " "

: (6)

1	
3	
5	

(7)

: (7)

%63.33	1	5	4	0.83	5	
% 52	3	3.17	1	3	2.83	
%74.64	5	5	2.33	5	1.33	

(Arabic ccTLD)

(8)

:() •

:() •

:() •

1985 -642

[5] ISO 3166

[12]

:

-

-

(9)

: (8)

jo		5		6		
ae		7		8		
bh		6		7		
tn		5		4		
dz		6		7		
dj		6		6		
sa		5		8		
sd		6		7		
sy		4		5		
so		6		7		
iq		5		6		
om		5		4		
ps		7		6		

qa		4		3		
km		4		9		
qw		5		6		
lb		6		5		
ly		4		5		
eg		4		3		
ma		5		6		
mr		8		9		
ye		4		5		
	2	5.32		6		

: (9)

%57.14	1	5	5	1	3	5	0	
%64.8	1	5	5	1	5	5	0.68	
%68.57	5	3	2	5	2	3	4	

()

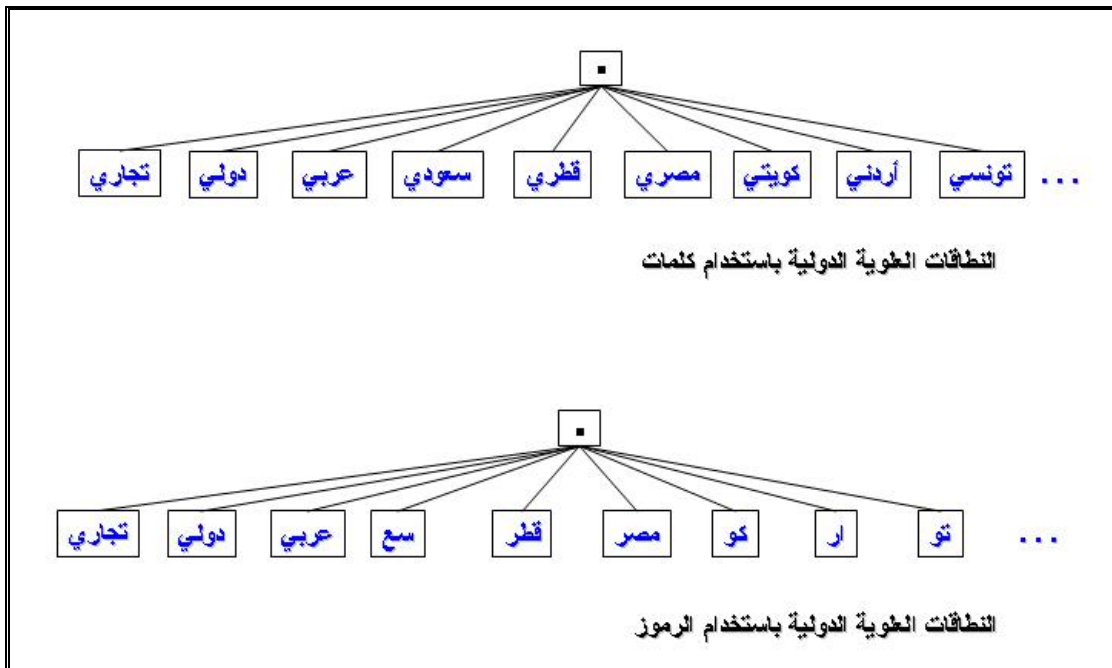
" " " "

" " " "

-642

1985

(2).



: (2)

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- 3 " " " " .38-21 1423
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Arabic Top-Level Domain Names

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ABSTRACT. In the Internet, domain names (i.e., web site addresses) are still written using English characters regardless of the worldwide spread of the Internet. Currently, domain names do not support other languages to locate resources on the Internet. Users in non-English speaking countries, such as the Arab users, are in disadvantages. Multilingual domain names have been the goal and activities of many non-profit organizations that supervise and pursue their deployments. Several companies have begun to commercialize their technologies. With respect to the Arabic language, however, current implementations are using proprietary technologies. Therefore, it is important to establish standardized Arabic solutions including selecting the Arabic generic and country code top-level domain names (Arabic gTLD and ccTLD). This paper compares a number of proposed suggestions for Arabic gTLDs and ccTLDs.