

Overview of UAEnic

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Sultan Al Shamsi
sultan@nic.ae

- ***Who is UAEnic?***
- ***The Objectives***
- ***UAEnic Time Lines***
- ***Internet in the UAE***
- ***Domain Name System***
- ***Operating Mirror Root Server(s)***
- ***UAEnic Main Tasks***
- ***Domain Names Statistics***
- ***(.ae) DNs Growth***
- ***Projects Implemented/Activities***

Who is UAEnic?

- ***UAE Network Information Center (UAEnic)***
- ***The (.ae) Domain Name Registry – ccTLD of the UAE since 1995.***
- ***Local Internet Registry (LIR)***
- ***Part of Etisalat.***

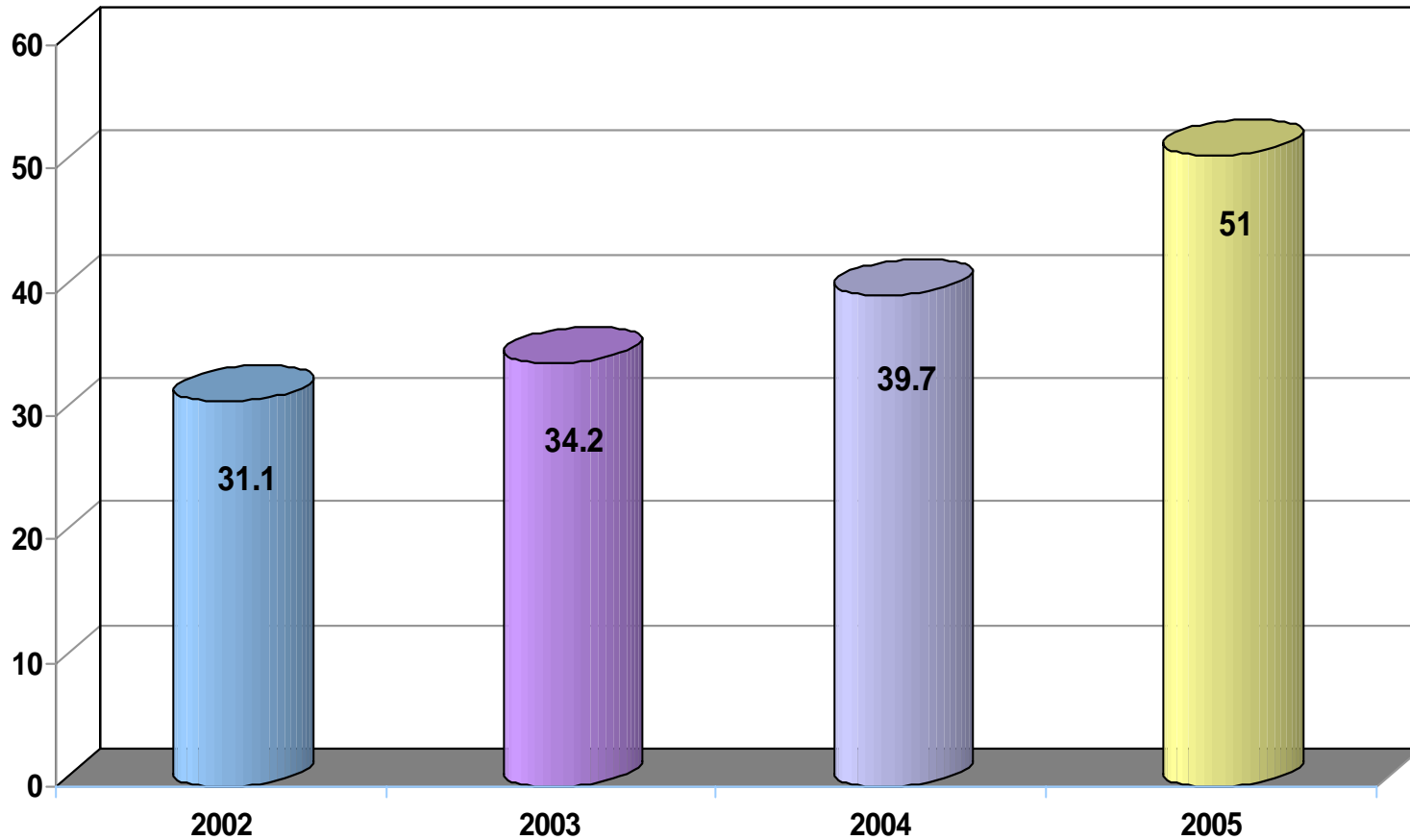
The Objectives

- ***Give the UAE an extensive global presence in the cyber world.***
- ***Treat all eligible applicants equally on a first come, first served basis.***
- ***Promote the use of Internet in UAE for economical, educational and cultural development.***

- ***In 1994, UAE University was delegated by IANA to run (.ae) Domain Name Space.***
- ***In 1995, UAEnic was re-delegated to run (.ae) Domain Name Space with mutual agreement with UAE University.***
- ***In 1995, UAEnic was authorized LIR by RIPE NCC.***

- ***In 2002, UAEnic was allocated IPv6 Addresses. (first in the region).***
- ***In 2002, UAEnic was authorized by ITU to run ENUM (+971) Registry (among the first in the world).***
- ***Founding Member of UAE IPv6 Task Force.***

Internet Penetration Rate

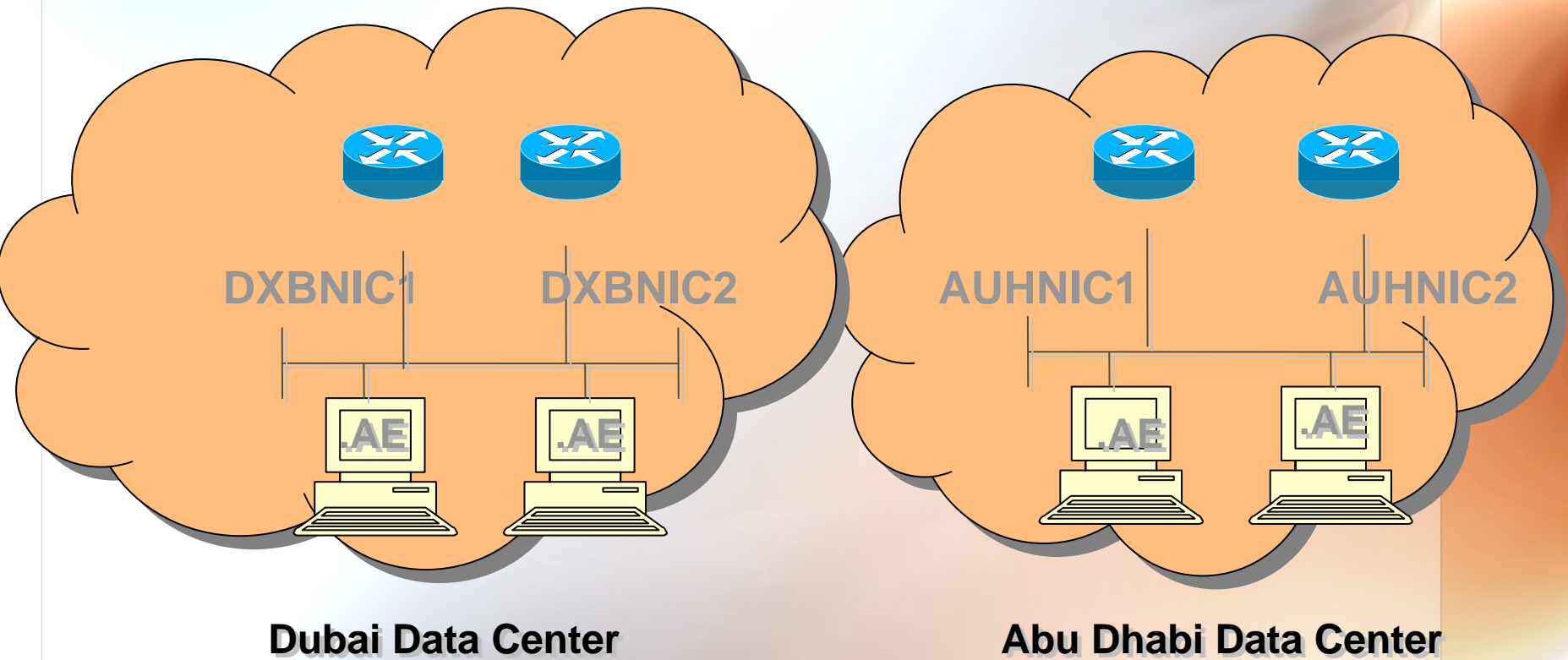


Note: Figures are as of December, 2005

- ***DNS In UAE***
 - Dubai – Data Center
 - Abu Dhabi - Data Center

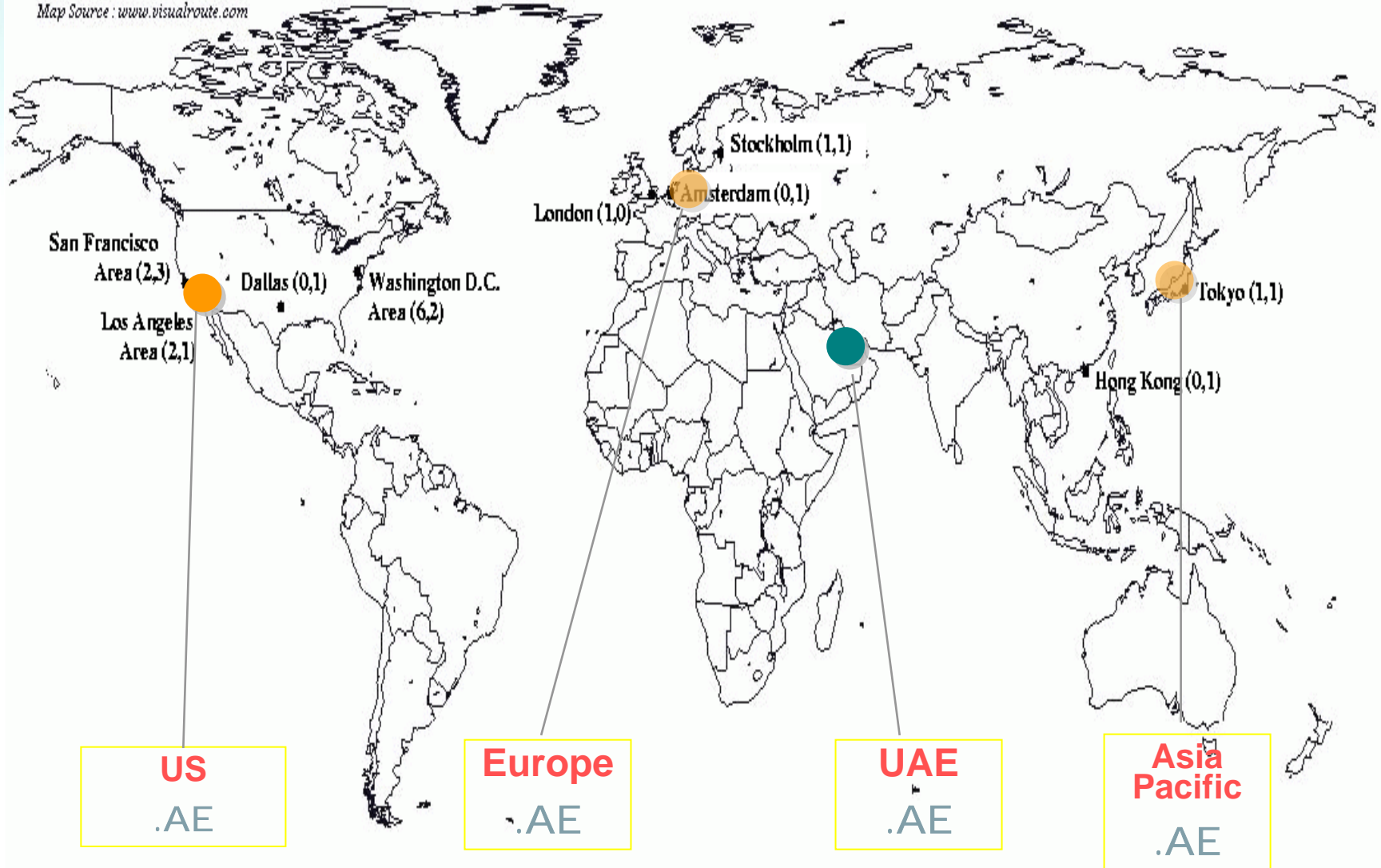
- ***DNS Outside UAE***
 - Europe – RIPE NCC
 - Asia Pacific – APNIC
 - US - ISC

DNS in UAE



DNS Outside UAE

Map Source : www.visualroute.com



US

.AE

Europe

.AE

UAE

.AE

Asia Pacific

.AE

- ***Mirror of Root Name Servers***

- Hosting of “K” Root Name Server in Abu Dhabi (Apr 2005)
- Hosting of “F” Root Name Server in Dubai (Nov 2004)

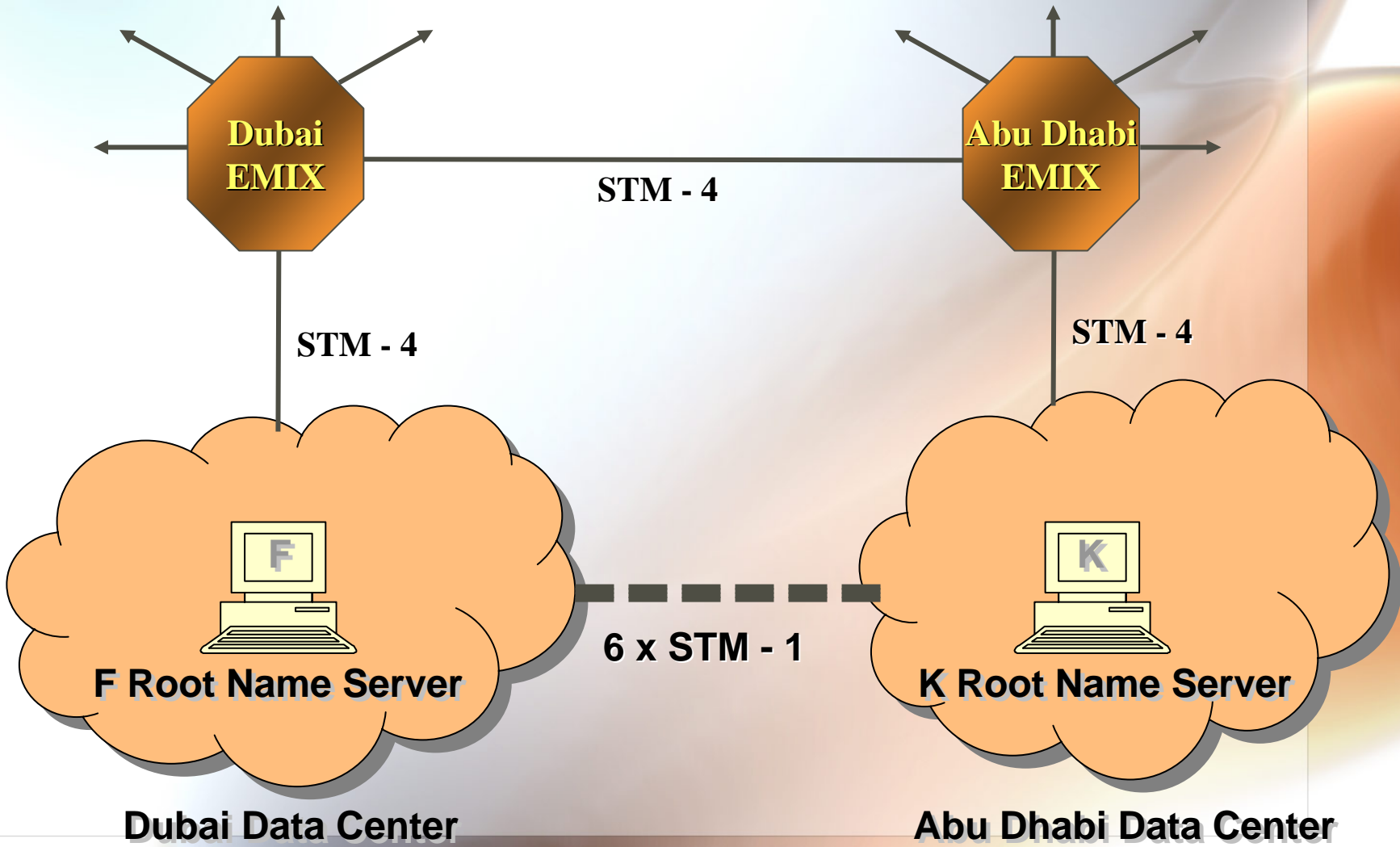
- ***Advantages***

- Improve DNS Response Time for Users in the UAE as well as in the Region.
- Improve Internet Stability, Resiliency and Performance.

"F" & "K" Mirror of Root Name Servers - Network Topology

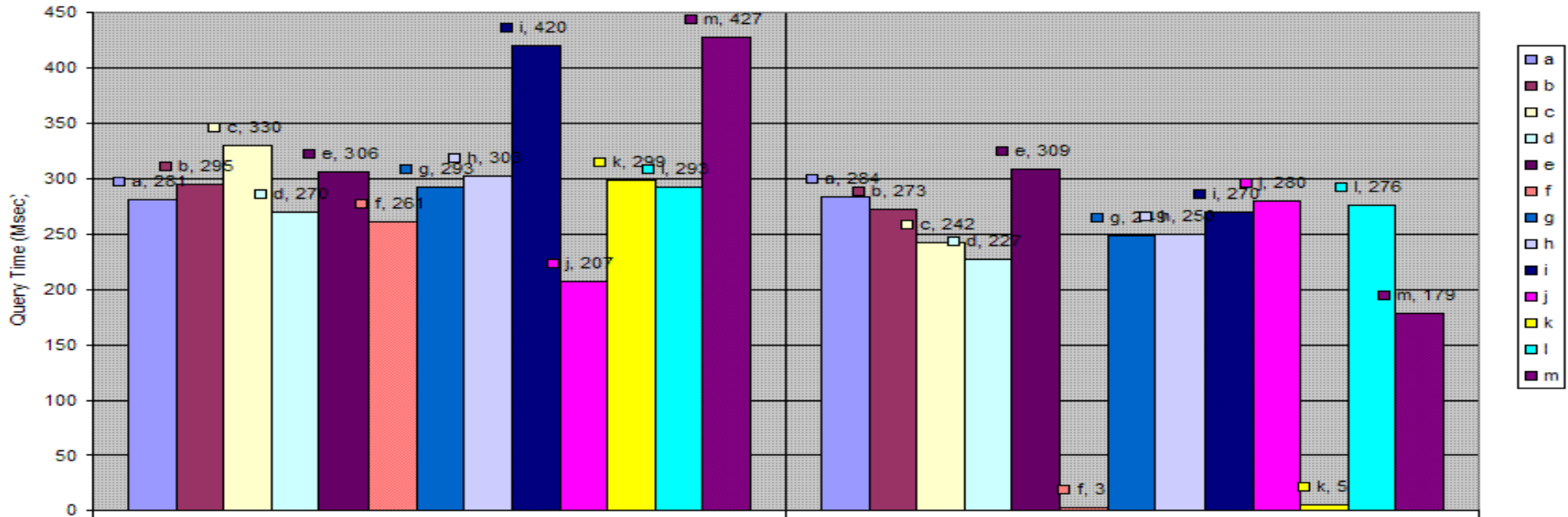
International STM Links

International STM Links



Root Servers Response Time

DNS Response Time



	Before F-Root	After F-Root
a	281	284
b	295	273
c	330	242
d	270	227
e	306	309
f	261	3
g	293	249
h	303	250
i	420	270
j	207	280
k	299	5
l	293	276
m	427	179

13 ROOT SERVERS

- ***Handles day-to-day operation of Domain Name Registration and IP Address assignment to the local Internet community***
- ***Maintain UAEnic Databases for Domain Names and IP Addresses (IPv4 and IPv6)***
- ***Setting up policies regulating domain name registration and IP Address Assignment.***

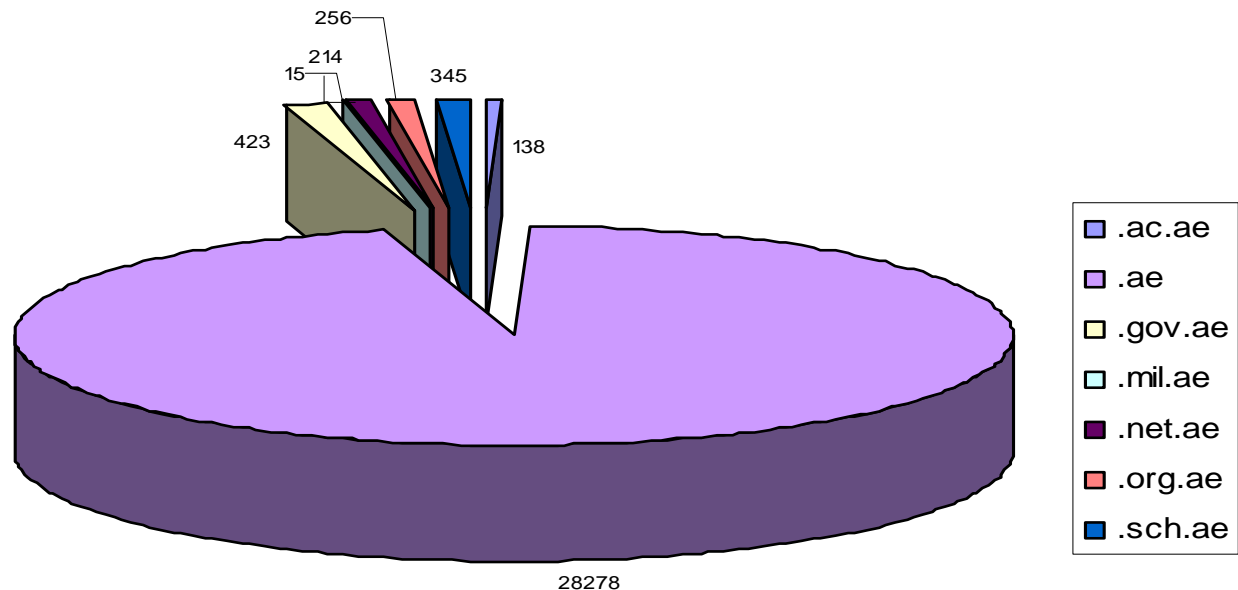
- ***Coordinating with other GCC, Arab and International ccTLDs.***
- ***Participate in International events organized by ICANN, RIPE, ISOC, ITU, WIPO and any other events that are related to domain name and IP Address.***
- ***Promote and rise awareness among the local community on latest issues related to domain names and IP Addresses in particular and Internet in general.***

UAEenic Domain Names Categories and Charges

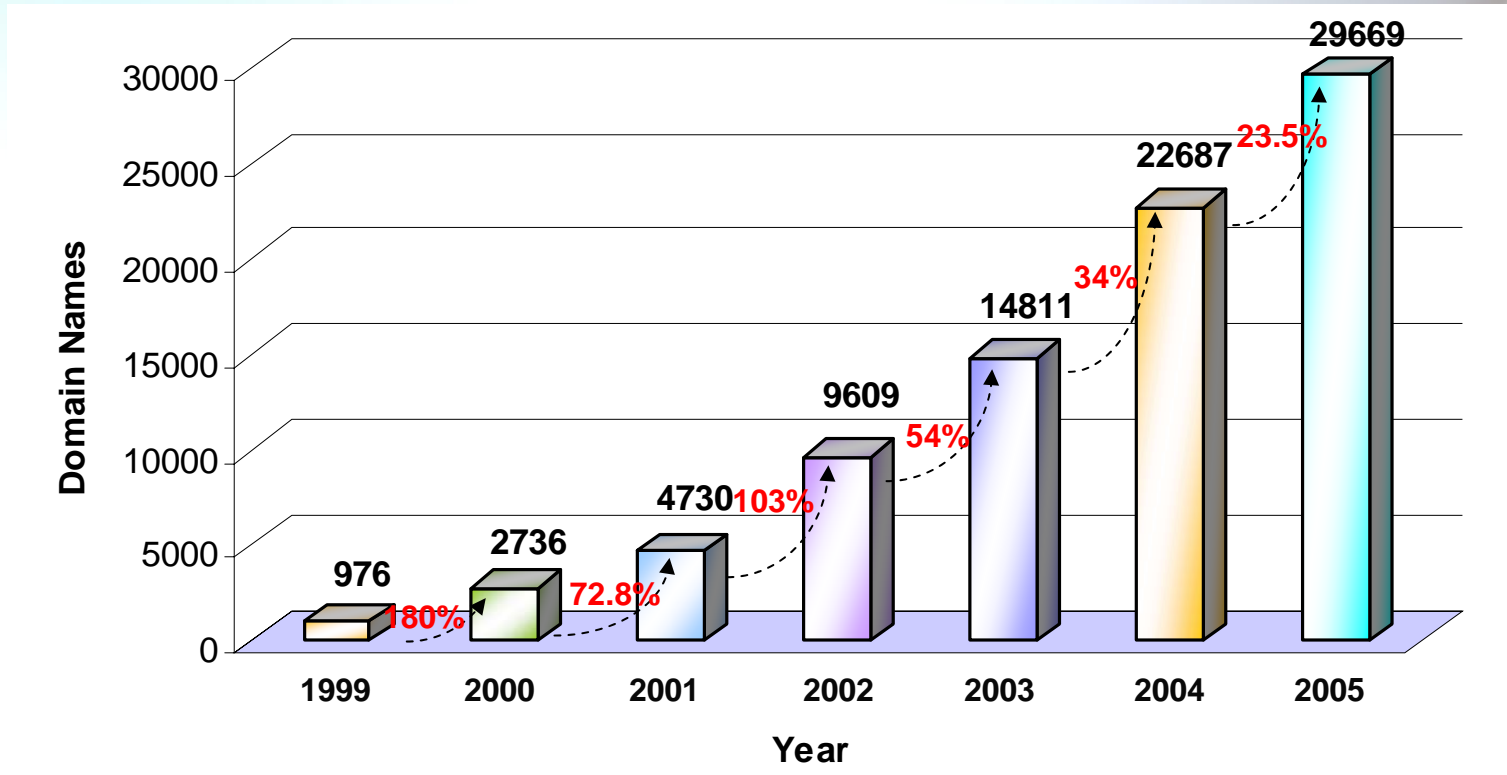
Category	1 year (AED)	3 years (AED)	10 years (AED)	50 years (AED)
.ae	150	400	1,200	3,500
.net.ae	150	400	1,200	-
.ac.ae *	75	195	560	-
.gov.ae *	75	195	560	-
.org.ae *	75	195	560	-
.sch.ae *	75	195	560	-
.mil.ae *	75	195	560	-
.pro.ae	75	-	-	-
.name.ae	50	-	-	-

* One Free Domain Name per Entity

- **The total number of domain names registered as of October 2005 is 29,669**
- **.ae (direct) = 28,278**
- **.gov.ae = 423**
- **.net.ae = 214**
- **.org.ae = 256**
- **.sch.ae = 345**
- **.mil.ae = 15**
- **.ac.ae = 138**



Evolution of (.ae) Domain Name



- ***Registration Policies:***

- Introduce a flat name structure (www.etisalat.ae) to replace (www.etisalat.co.ae) (Jan 2002)
- Open Domain Name Registration under (.ae) direct for Individual (Oct 2002)
- Open Domain Name Registration under (.ae) for International (Oct 2002)

- ***Registration Policies:***
 - **Developed Domain Name Dispute Resolution Policy in June 2002, endorsed by WIPO (the first in the region)**
 - **Introducing long period contract for Domain Names Registration i.e. 3 years and 10 years (Oct 2002)**
 - **Introduce second level domains .pro.ae and .name.ae.**
 - **Introduce longer period contract for Domain Name Registration i.e. 50 years (Apr 2005)**

- ***DNS/IP Infrastructure Development and Services:***
 - **Re-Engineering of (.ae) Name Servers to increase resiliency and availability.**
 - **Increase the Redundancy and Resiliency of (.ae) Name Servers (Europe – RIPE NCC, Asia Pacific – APNIC and US - ISC)**
 - **Received IPv6 Allocation from RIPE NCC in 2002 (first in the region)**

- **Testing IPv6 connectivity with Universities and Colleges in the UAE, in step to create the National IPv6 Native Network**
- **Coordinate IPv6 connectivity testing with the ISPs in the GCC**
- **Hosting a Mirror Server of “F” Root Name Server in the UAE (Nov 2004)**
- **Coordinate IPv6 connectivity testing with the ISPs in the GCC**

- **Testing ENUM Services: +971 12345678 → (8.7.6.5.4.3.2.1.1.7.9.e164.arpa)**
- **Establishment of UAEnic Help Desk (800 6060) operating 24x7**
- **Hosting a Mirror of K Root Name Server (Apr 2005)**
- **Implementing of WHOIS for (.ae) Domains**

- ***Arabic Domain Name:***
 - Participate actively in various International forums on IDN (MINC, AINC, ICANN ... etc)
 - Developing test-bed for Arabic Domain Name under (امارات.) ccTLD e.g. (اتصالات.امارات) in the UAE.
 - Co-founder of the Arabic Domain Name Pilot Project in the GCC

- ***We recommend:***
 - **RIPE to consider conducting one of its coming Meetings in the region.**
 - **RIPE to increase number of training courses in the region.**
 - **ISPs are encouraged to attend RIPE Meeting**

Thank You

Sultan Al Shamsi

sultan@nic.ae