



UAEnic at a Glance

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Agenda



- 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 Objectiives



- 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.



UAEnic Time Lines



- 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.



UAEnic Time Lines



- In 2001, 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 in the UAE

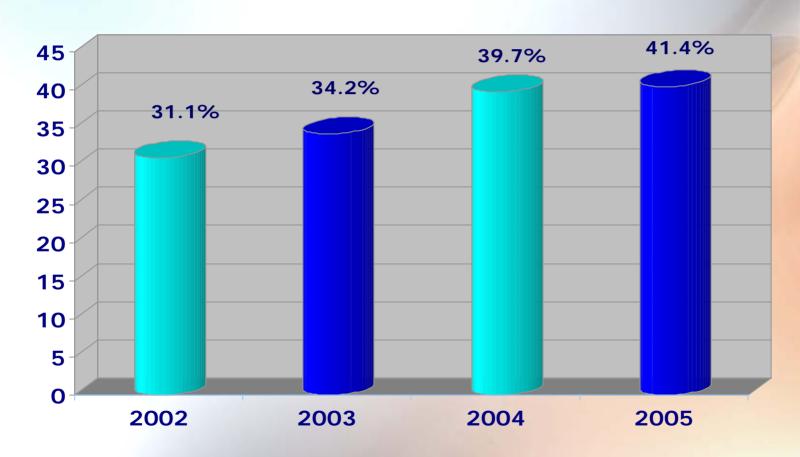


- In August 1995, Internet was introduced with 128Kbps Satellite bandwidth and 250 dialup ports.
- Now, 2 GB (15 x STM-1s -155Mbps) Cables bandwidth capacity, 50,000 dialup ports, and over 150,000 Broadband capacity (Cable, ADSL, Fixed Wireless)



Internet Penetration Rate





Note: Figures are as of March, 2005



Connectivity



- 15 x STM-1s (155Mbps) direct cables to IP Transit Providers.
- 12 direct regional peering connectivities.
- Over 40 direct peering connectivities with service and content providers in USA.



Connectivity to The World



(FLAG - 11xSTM1s)





Connectivity to The World



(SMW-3, 4xSTM1s)





World Wide Peering





Taiwan



Qatar



India



Bahrain



Singapore



Malaysia



Hong Kong



Cyprus



KSA



Japan



Kuwait



USA



Domain Name System (DNS)



DNS In UAE

- Dubai Data Center
- Abu Dhabi Data Center

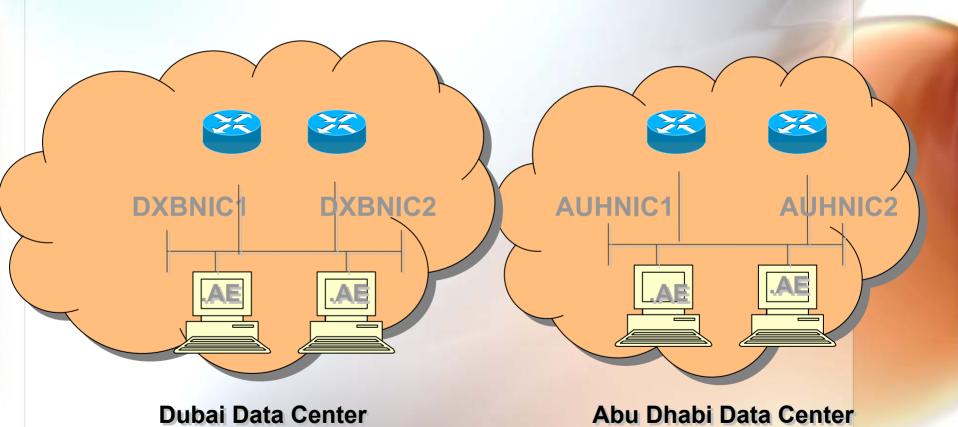
DNS Outside UAE

- Europe RIPE NCC
- Asia Pacific APNIC
- US ISC



DNS in UAE

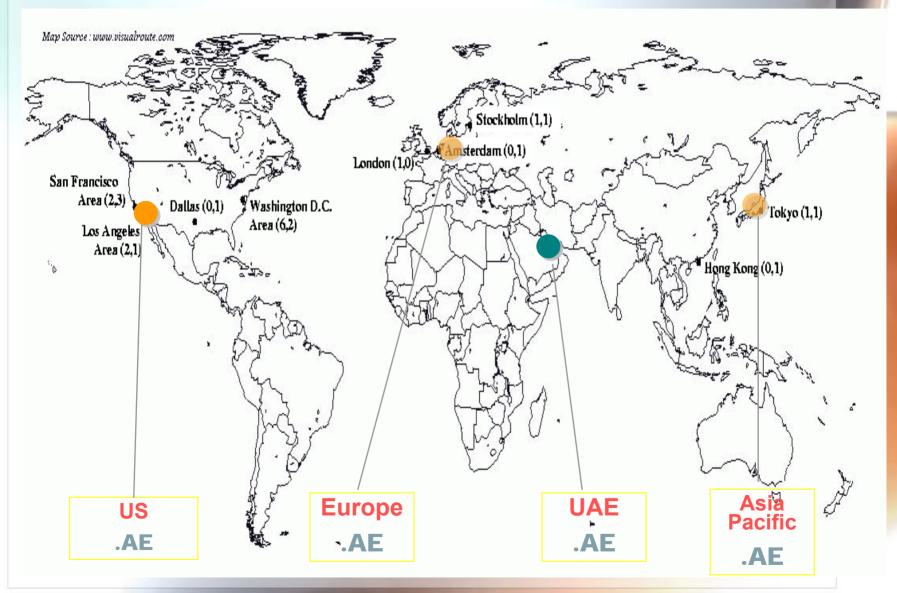






DNS Outside UAE







Operating Mirror Root Server(s)



Mirror of Root Name Servers

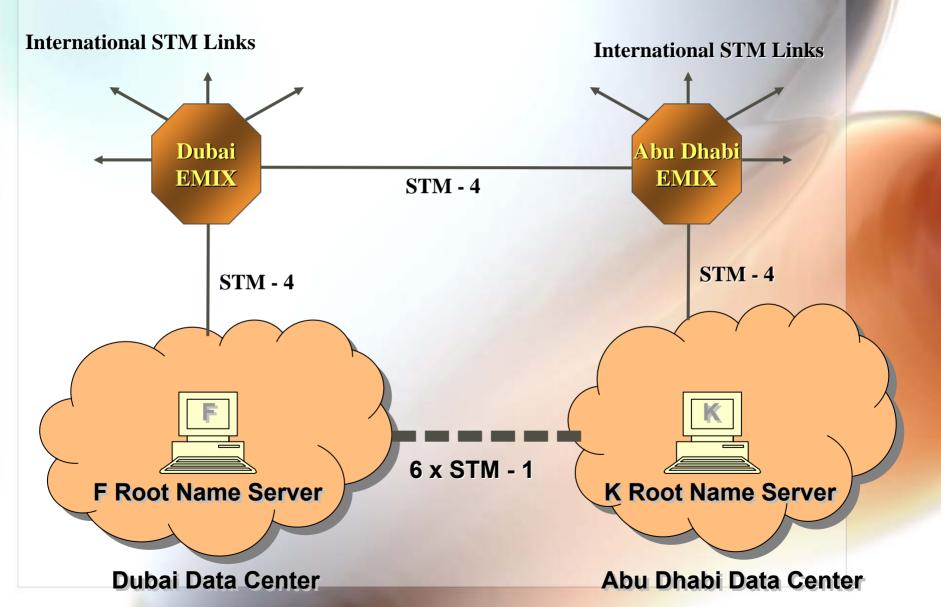
- Hosting of "K" Root Name Server in Abu Dhabi (Apr 2005)
- Hosting of "F" Root Name Server in Dubai (Nov 2004)

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 Contribution Center





Root Servers Response Time



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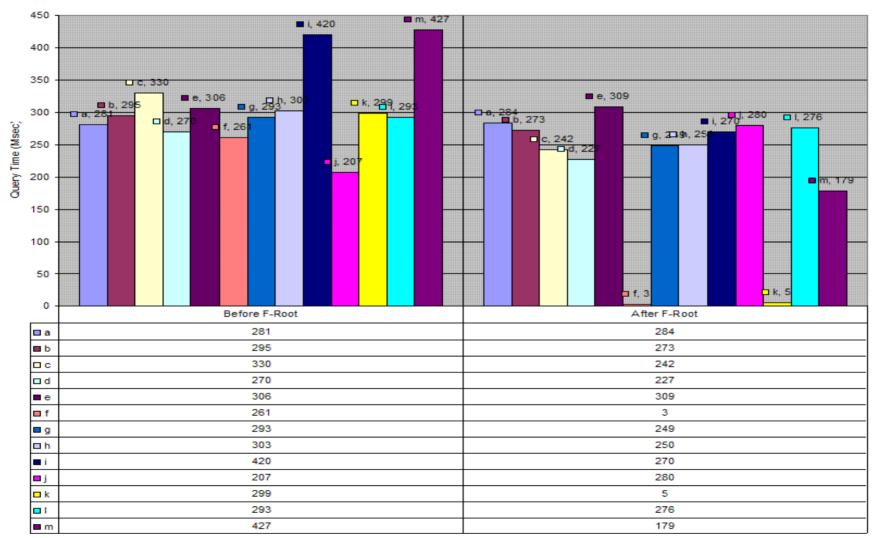
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UAEnic Main Tasks



- 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 allocations.



UAEnic Main Tasks



- 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.



UAEnic 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	- 1
.mil.ae *	75	195	560	-
.pro.ae	75	-	-	-
.name.ae	50	-	-	-

* One Free Domain Name per Entity

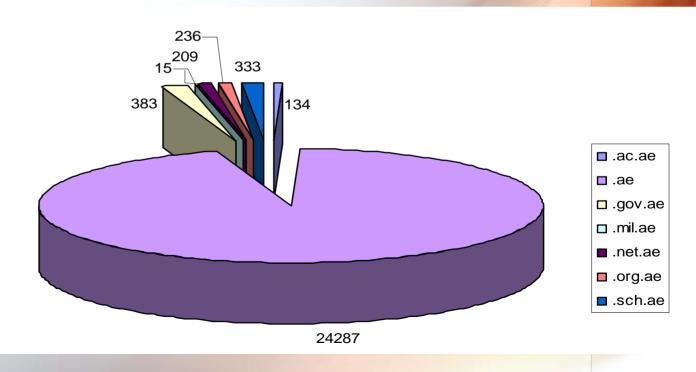


UAEnic Domain Names



• The total number of domain names registered as of April 2005 is 25,597

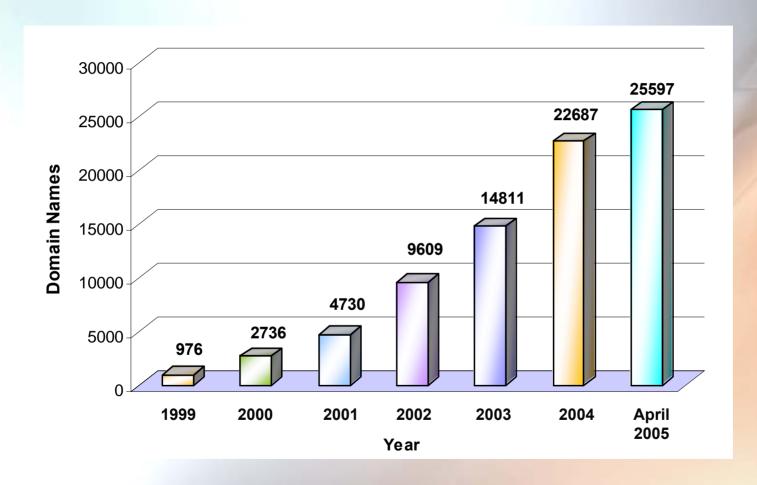
- .ae (direct) = 24,287
- .gov.ae = 383
- .net.ae = 209
- .org.ae = 236
- .sch.ae = 333
- .mil.ae = 15
- .ac.ae = 134





(.ae) DNs Growth







UAEnic Project Implemented / Activities La Control of C

Registration Policies:

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



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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)



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 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 (The first in the region)



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- 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



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- Hosting a Mirror Server of "F" Root Name Server in the UAE (Nov 2004)
- 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)



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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. (امارات) in the UAE.
- Co-founder of the Arabic Domain Name Pilot Project in the GCC





Thank You

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