



IPv6 Adoption in Saudi Arabia

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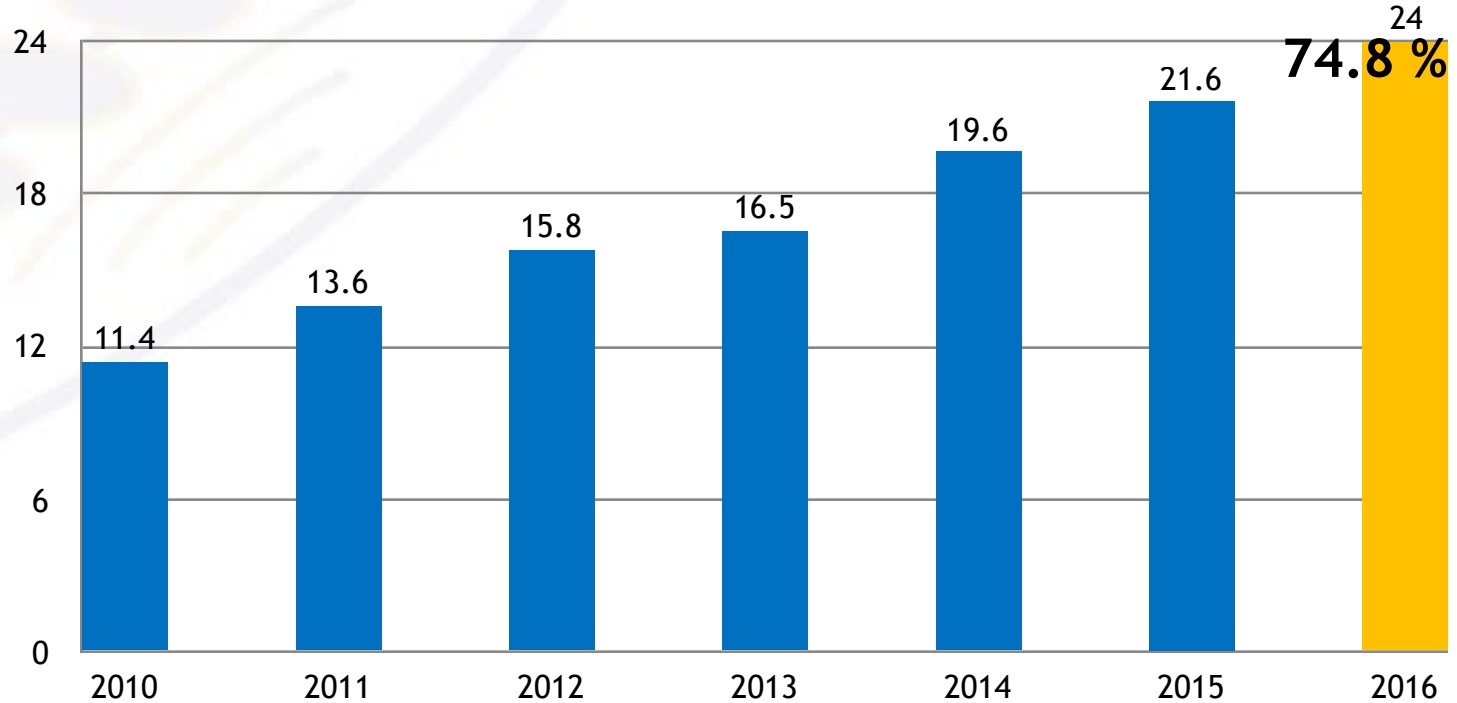
Agenda

- Background
- IPv6 National Strategy Objectives & Activities
- Outcome
- Moving forward

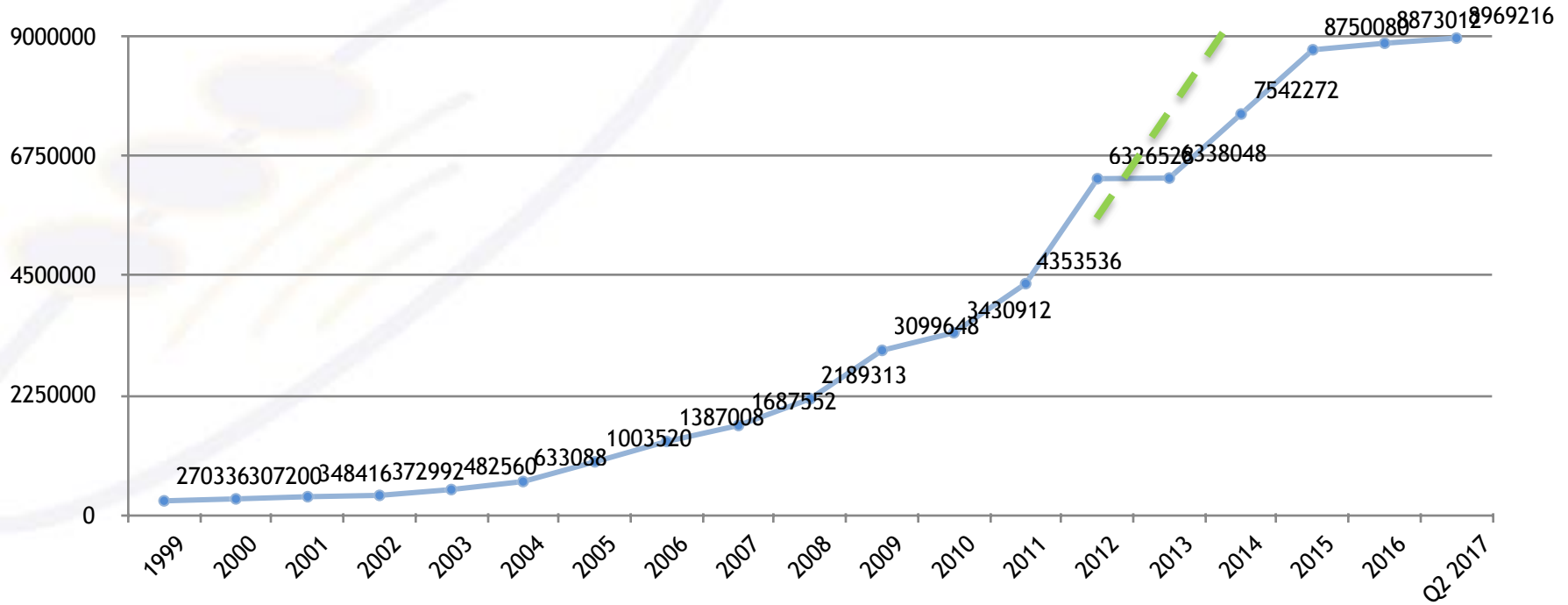


Background

KSA Internet Users (million)



Saudi Arabia IPv4 Allocations



**8.9 Million IPv4
Addresses**

86.96% Advertised

**0.423 IPv4 Address Per Internet
User**



IPv6 National Strategy Objectives & Activities

2007: CITC started efforts for promoting adoption of IPv6.

Strategy Objectives

Country

business continuity and

continued growth of the internet in Saudi Arabia

- Smooth adaption of IPv6 by key stakeholders to minimize risks
- Raise overall IPv6 awareness nationwide by approaching stakeholders of both the public and private sectors

Community driven



Phase I: 2007 - 2012



Strategy Tracks

Infrastructure

- IPv6 Addressing
- IPv6 Commercial Support for Nation Wide Infrastructure
- .SA ccTLD IPv6 Compliance
- IPv6 Compliant Internet Filtering
- IPv6 Lab

Awareness

- IPv6 Task Force
- Outreach Activities
- International Cooperation
- IPv6 Training
- IPv6 Compliant Procurement

Phase II: 2013 - 2016

Focus on Enterprise/ Education

Conducting 4 Pilot Projects on
Enterprise Scale

IPv6 deployment
Guidelines and
Procedures

Update IPv6
website and add
Arabic version

Some Service
Providers
started to
provide IPv6 to
home
consumers.

Some
Enterprises
started to
provide their
services through
IPv6

CITC IPv6 Lab
Enhancement

Trainings and
conferences

Phase II: 2013 - 2016

Pilots Projects:

IPv6 enablement for internet facing services: DNS Website, Mail, etc.



Government



Private Enterprises



Education



Enterprise

Guidelines Development Methodology



Implementation phases



Activities

- 17 Task Force meetings hosted by the taskforce members
- IPv6 Training
 - IPv6 Training by CITC (three sessions)
 - IPv6 Road Show was organized 10 times. Thanks to MENOG and RIPE
- IPv6 Conferences
 - Three IPv6 National Conferences were organized (2009, 2011 and 2015)





Outcome

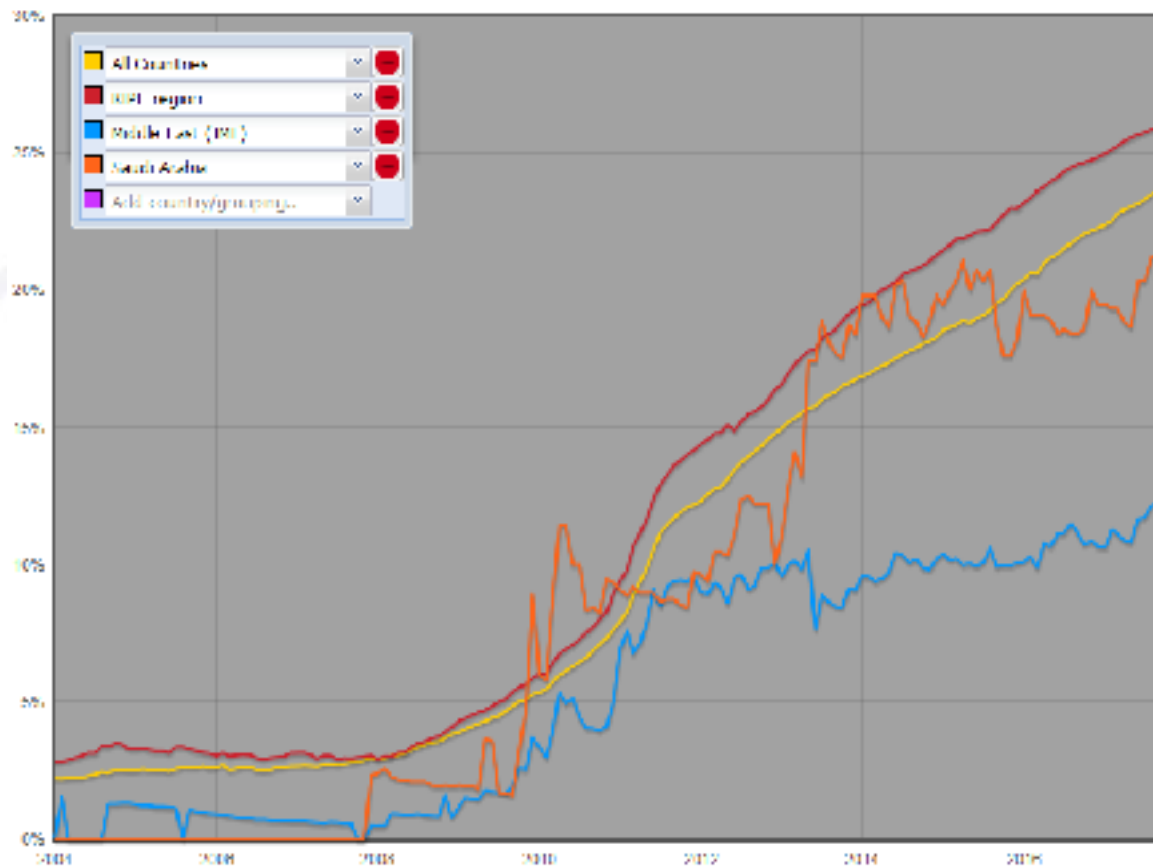
KSA ASes Announcing IPv6 Prefixes

KSA	21 %
Middle East	12 %
RIPE region	26 %
Worldwide	23 %

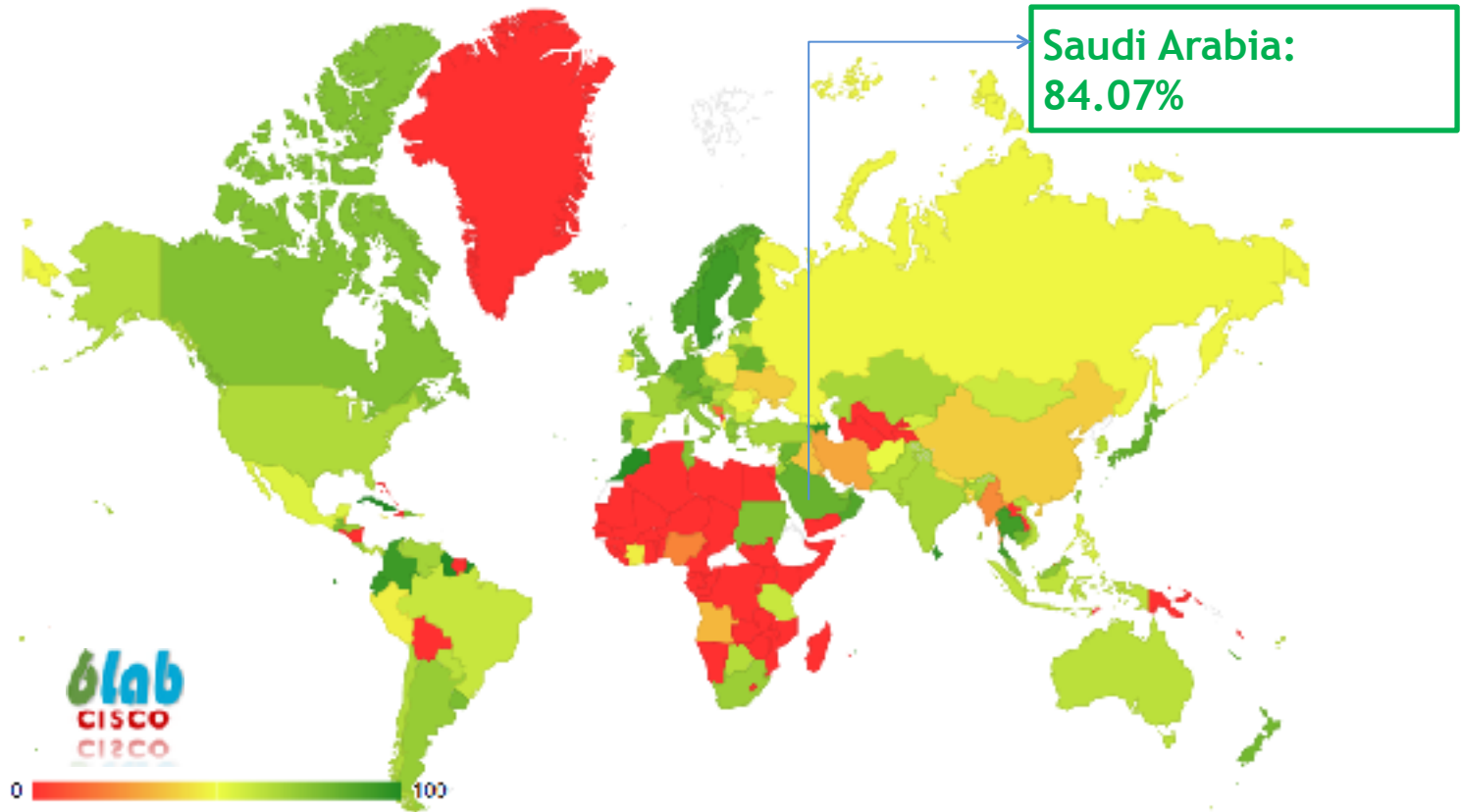
KSA IPv6 Prefixes

2008	2
Q2 2017	76

This graph shows the percentage of networks (ASes) that announce an IPv6 prefix for a specified list of countries or groups of countries



Internet Core Readiness



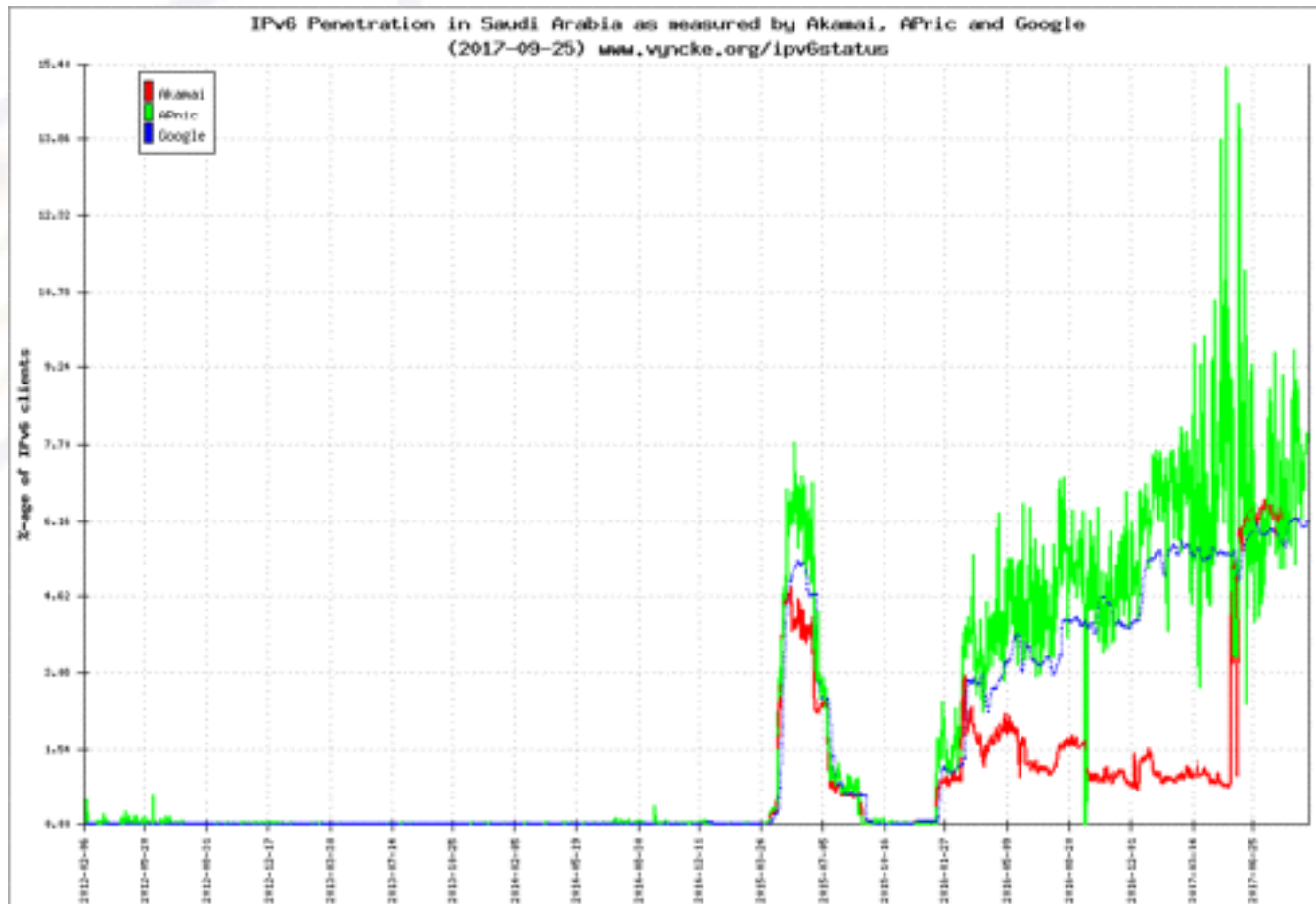
IPv6 Users

2008

0 %

2017 September

6.1 %





Moving Forward...

We are working on:

- Continue capacity building and collaboration
- Following up with the service providers about their IPv6 deployment.
- Utilizing the collaboration forum to improve the internet ecosystem in Saud Arabia
 - IoT, Cloud, QoE
- IPv6 + Emerging internet topics

Visit the Taskforce website for more info

www.IPv6.sa



Secondary Links

Home and Objectives

IPv6 Strategy

Meetings and Events

IPv6 National Forum

Media

IPv6 Tools

Services

Recent Activities



IPv6 task force 17th meeting

June 1, 2011
The Saudi Telecommunications Authority (STA) task force 17th meeting will be held at the Sheraton Jeddah Hotel in Jeddah, Saudi Arabia on Tuesday 1 June 2011. The meeting will be held in Arabic and English.



Workshop on the Academic Sector Role in IPv6 Adoption

October 20, 2011
Workshop on the Academic Sector Role in IPv6 Adoption will be held at the Sheraton Jeddah Hotel in Jeddah, Saudi Arabia on Tuesday 20 October 2011. The workshop will be held in Arabic and English.

Hot Topics



IPv6 Indicator

Your IPv6
Status
IPv6 using IPv6



IPv6

IPv6 Information



شكراً
Thank You