



Mobily IPV6 Readiness

3rd IPv6 National Forum

Riyadh, May 7th 2015

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Mobily IPv6 Readiness Journey

Agenda

- ❑ IPv6 Evaluation & Awareness
- ❑ IPv6 Infrastructure Readiness
- ❑ IPv6 Offering & Customers
- ❑ IPv6 Statistics
- ❑ IPv6: what is next?



IPv6 Evaluation & Awareness

- ❑ Participating in CITC IPv6 task Force meetings
- ❑ Participating in IPv6 global and regional meetings
- ❑ Participated in World IPv6 Days.
- ❑ Participated in World IPv6 Launch (6 June, 2012).
- ❑ Conducting various IPv6 training & awareness sessions
- ❑ Acquiring 3x /32 IPv6 prefixes from RIPE.
- ❑ Establishing IPv6 links with some of our upstream providers
- ❑ Conducting various IPv6 POCs and trials
- ❑ Provided IPv6 Internet Service to some pilot customers.

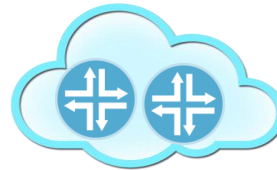


IPv6 Infrastructure Readiness

- ❑ Mandating IPv6 implementation in all new IP Network projects



**International
POPs**



**IGW / DNS/
Filtering Solution**



IP/MPLS



IPv6 Infrastructure Readiness

- ❑ IPv6 enabled with multiple peers at various Global Internet Exchanges using Dual stack (IPv4 & IPv6)
 - ✓ 20+ content providers & Content Distribution network like Google, Facebook, Akamai, Microsoft, Limelight, Apple, Booking.com, LinkedIn, Yahoo,...



IPv6 Infrastructure Readiness

- ❑ IPv6 enabled with All Upstream providers using Dual stack
 - ✓ 8 Tier-1 providers (L3, Cogent, FT, TelecomItalia, Tinet, TeliaSonera, TATA, HE)



AS Info | Graph v4 | Graph v6 | Prefixes v4 | Peers v4 | Peers v6 | Whois | IRR

Rank	Description		IPv4	Peer
1	Hurricane Electric, Inc.			AS6939
2	TeliaSonera International Carrier		X	AS1299
3	TELECOM ITALIA SPARKLE S.p.A.		X	AS6762
4	Level 3 Communications, Inc.		X	AS3356
5	King Abdul Aziz City for Science and Technology		X	AS8895
6	Jordan Telecommunications Company		X	AS8697
7	Tango S.A.			AS48526
8	Etihad Etisalat Company (Mobily)		X	AS35819
9	QualityNet General Trading & Contracting Co.		X	AS9155

Reference: http://bgp.he.net/AS48237#_peers6



IPv6 Offering & Customers

□ Mobily IPv6 Services:

- ✓ IP Transit: Regional Operators
- ✓ DIA: ISP/Business customers
- ✓ IPv4/IPv6 DNS hosting

□ Mobily IPv6 Customers:

- ✓ IPv6 service is already provided for the below SP:
 - ✓ KACST.
 - ✓ Quality Net at Kuwait
 - ✓ Orange – Jordan.

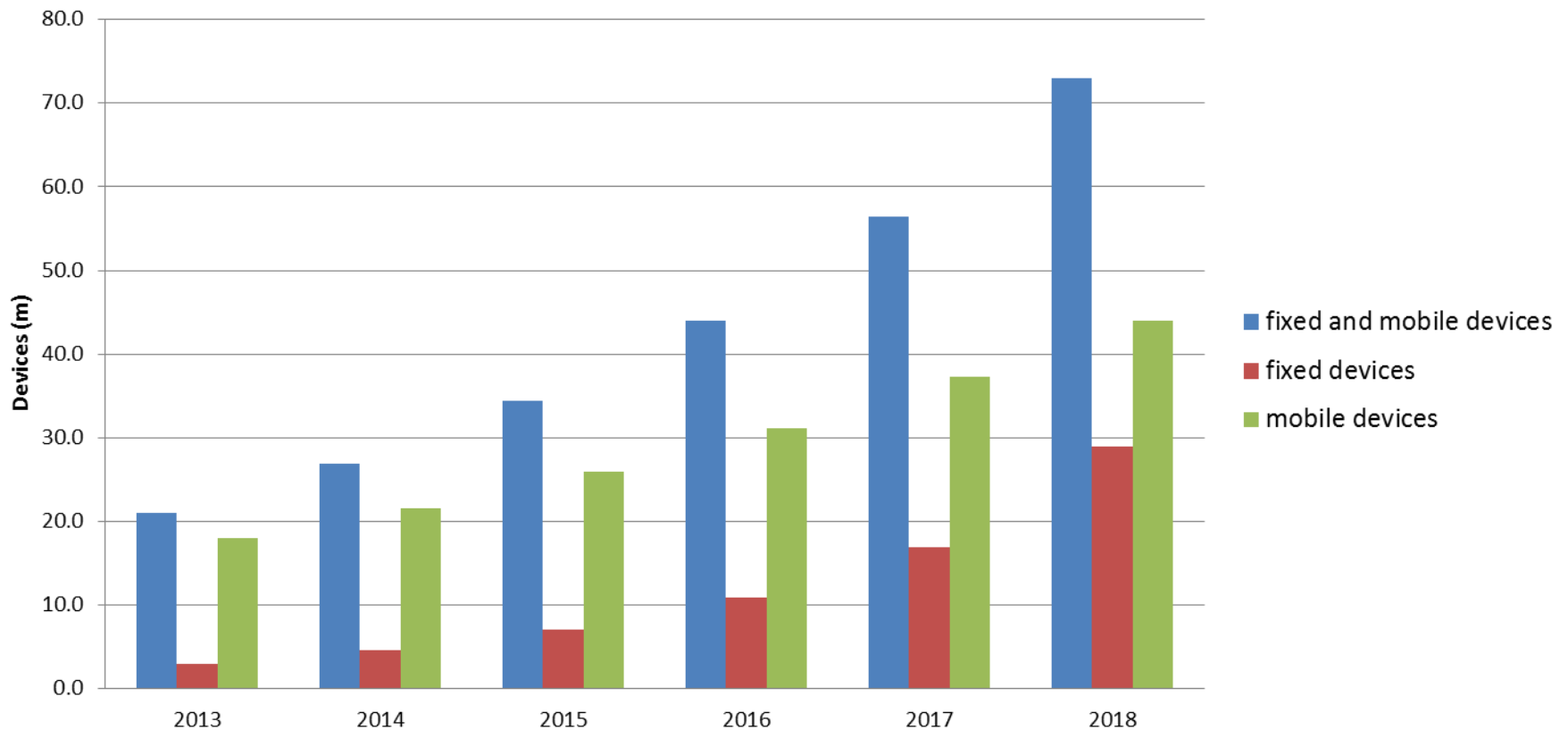


- ✓ IPv6 service is activated for various local enterprise customers
- ✓ IPv6 service is activated for various government agents.



IPv6 Statistics: Saudi Arabia-Potential IPv6 Connections

Saudi Arabia IPv6 Capable Devices

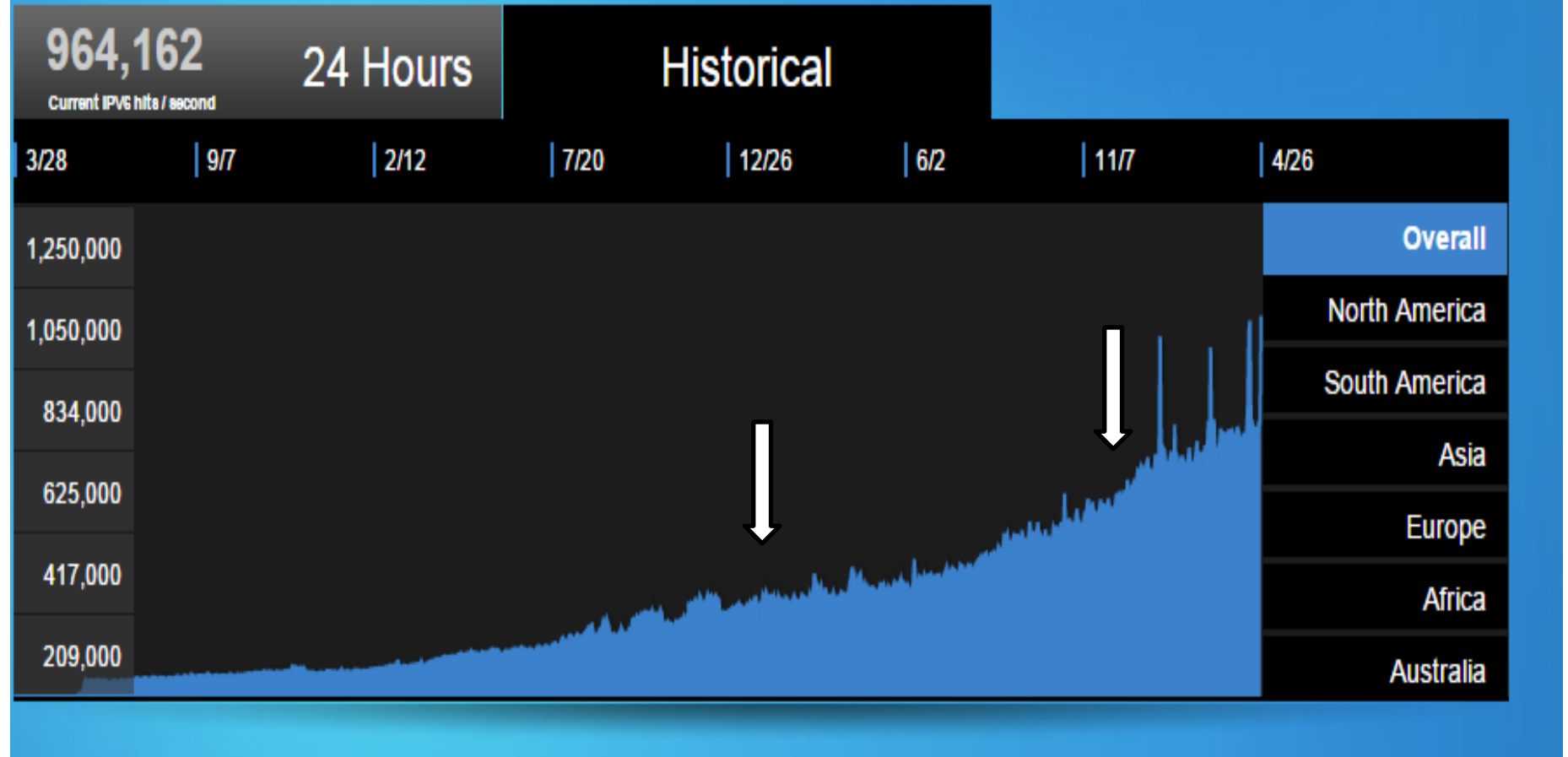


* http://www.cisco.com/web/solutions/sp/vni/vni_forecast_highlights/index.html



IPv6 Statistics: AKAMAI Prospective

Akamai IPv6 Traffic Volume



* <http://www.akamai.com/ipv6>



IPv6: what is next?

- ❑ Mobily will be focusing on extending IPv6 to Consumers (Fixed & Mobile Broadband)
- ❑ Mobily have conducted successfully initial testing for related systems like gateways, control systems, and charging systems.
- ❑ Mobily will introduce IPv6 gradually and seamlessly to consumers.



Thank you

