



RIPE NCC

RIPE NETWORK COORDINATION CENTRE

Introduction

The RIPE NCC and this region

About the RIPE NCC



- **Established in 1992 as secretariat to the RIPE community**
 - Not for profit association since 1997
 - Based in Amsterdam, The Netherlands
- **Small offices in Dubai and Moscow**
- **Service region consists of 76 countries**
 - Europe, Middle East and parts of Central Asia



Regional Internet Registry



- **One of five Regional Internet Registries (RIRs) globally**
 - Responsible for distributing IP addresses and AS Numbers
 - According to policies set by the RIPE community
- **Maintaining the RIPE Database (whois)**
 - Public information about the holders of IP addresses and AS Numbers
 - Supports coordination between network operators

Supporting the RIPE Community



- **Meetings for the community**
 - Two RIPE Meetings each year
 - Regional meetings in Middle East, South East Europe and Caucasus
 - Supporting local and regional network operator groups, e.g. MENOG
- **Supporting the RIPE Policy Development Process (PDP)**
 - Running mailing lists and publishing RIPE Documents
 - Preparing impact analyses and providing technical input

Supporting Internet Operations



- **Tools for network operators**
 - RIPE Atlas and RIPEstat
 - Resource Certification / RPKI (securing routing on the Internet)
 - Statistics, measurements and analysis
- **Training**
 - IPv6, security, routing and other topics
 - Both face-to-face training courses and online training options
 - Bespoke training for law enforcement and other stakeholders

RIPE NCC as a Global Stakeholder



- **Represent the technical community in global forums**
 - Coordinate and collaborate with other technical partners, e.g. IETF
 - Sector member of ITU Standardization and Development sectors
- **MoUs with public and private sector partners**
 - Universities
 - Governmental organisations and law enforcement agencies
 - Industry partners, e.g. APTLD, CENTR and SAMENA

Observations in this Region



- **Initiatives to keep traffic in the region**
 - More data centres to host content local
 - Internet Exchange Points to facilitate peering
- **IPv6 is slowly gaining momentum**
 - Several large deployments underway
 - Working with authorities on national strategy

The Challenge Ahead



- **The Internet is changing at a rapid pace**
 - Massive growth in number of users
 - Everything has become mobile and locally focused
 - Internet of Things
- **Stakes are getting higher**
 - Growing concerns about privacy, security and safety
- **We need to respond and change along with this**

Helping to Reach Your Goals



- **Provide the data you need**
 - Accurate and reliable source for attribution
 - Monitor and report on the development of the industry
- **Provide information and technical expertise**
 - Neutral input to policy making and legislative process
 - Raising awareness about technical developments
 - Capacity building for both public and private sector

Outcomes of 2017 Middle East Roundtable (1)



- **What we heard**

- Data, statistics and analysis at the country and regional level are valuable for public policy makers
- The RIPE NCC data and analysis needs to be presented in a format that can be easily used and understood

- **Outcome**

- The RIPE NCC will publish a Country Report on Saudi Arabia this week
- At this Roundtable we will present the information from this report
- Based on feedback, we will develop further Country Reports in 2019

Outcomes of 2017 Middle East Roundtable (1)



- **What we heard**

- Public policy makers understand the potential impact of RIPE policy on national Internet-related goals and priorities
- Government agencies are not well equipped to participate in open policy discussions on RIPE mailing lists

- **Outcome**

- The RIPE NCC will compile a quarterly Government Policy Update to be shared with government contacts
- Goal: facilitate greater government engagement with RIPE Policy Development Process



Questions



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