

Economic and Social Commission for Western Asia

Arab Digital Agenda implementation and collaboration framework

IPv6 and RPKI for a Stable, Secure and Resilient Internet Chafic Chaya - RIPE NCC

Consultative Conference and Expert Meetings on the Arab Digital Agenda and
the Arab International Digital Cooperation and Development Forum
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RIPE NCC Initiative for IPv6 and RPKI Deployment in the Arab Countries

As we increasingly turn to the Internet to manage our lives, Internet access, routing, and security become increasingly important topics.

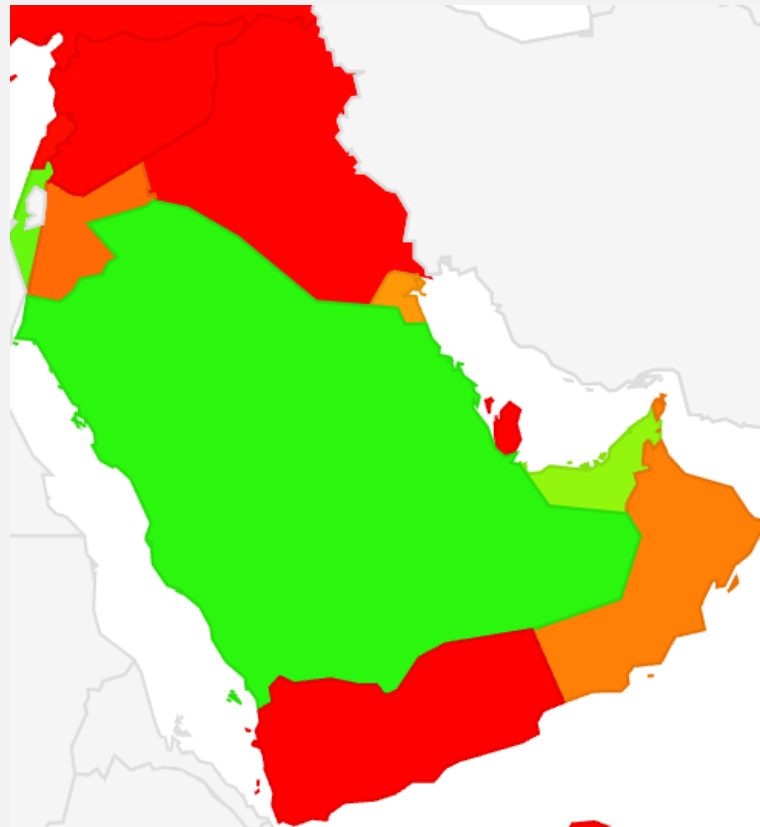
This initiative aims to offer technical expertise and support to deploy digital infrastructures such as IPv6, network security and routing, and raise awareness on public policy Internet-related issues.

This initiative will expand RIPE NCC's ongoing efforts and capacity-building in Internet Protocol version 6 (IPv6) and Resource Public Key Infrastructure (RPKI) deployment, helping and supporting Arab governments in their efforts to develop and secure their national networks to leverage digital transformation and digital economy.

RIPE NCC Initiative for IPv6 Deployment in the Arab Countries: Actual Status and expected accomplishments

Actual Status

Country	IPv6 Capable
Saudi Arabia	61.17%
United Arab Emirates	46.40%
Kuwait	19.25%
Oman	16.02%
Jordan	13.24%
Lebanon	1.52%
Syrian Arab Republic	0.34%
Qatar	0.15%
Bahrain	0.09%
Iraq	0.07%
State of Palestine	0.07%
Yemen	0.05%



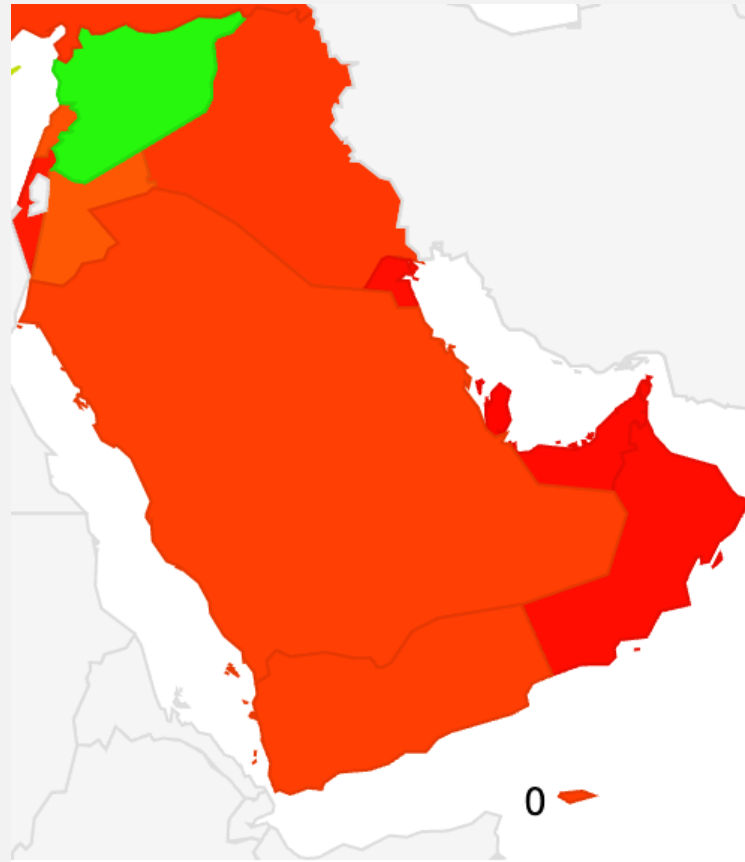
Expected Accomplishments

- Develop tailored IPv6 roadmaps and building capacity programs for each country
- Offer face-to-face IPv6 training
- Support regulatory authorities in their efforts to encourage IPv6 deployment
- Support the League of the Arab States and Arab governments with statistics and progress on IPv6 deployment

RIPE NCC Initiative for RPKI Deployment in the Arab Countries: Actual Status and expected accomplishments

Actual Status

Country	RPKI Validates
Syrian Arab Republic	68.67%
Jordan	12.30%
Lebanon	11.33%
Saudi Arabia	8.83%
Yemen	8.75%
Iraq	7.90%
State of Palestine	3.56%
Kuwait	1.98%
Oman	1.83%
United Arab Emirates	1.52%
Qatar	1.01%
Bahrain	0.71%



Expected Accomplishments

- Target large network operators and Internet Service Providers in each country to increase RPKI deployment
- Offer technical expertise that increases the resilience and security of the Internet
- Eliminate obstacles to RPKI deployment in collaborating with regulatory authorities

Linkages to ADA Cluster-2 goals: Infrastructure, governance and legal environment policy areas

- Goal 1. Enhance the competitiveness and improve the regulatory environment of the telecommunications sector in the Arab countries
- Goal 2. Strengthen cooperation and coordination in the regulatory environment among Arab countries to improve access to regional digital and telecommunications services
- Goal 3. Improve access rates to basic telecommunications services
- Goal 4. Improve Internet access speeds while maximizing the use of its services and interactive content.
- Goal 5. Develop the Internet backbone and interconnection at national and regional levels.
- Goal 6. Enable the use of e-signature services and e-transactions at national and regional
- Goal 7. Safeguard the privacy of personal data online
- Goal 8. Enhance the cybersecurity in the Arab region

Linkages to ADA Cluster-4 goals: Digital transformation and social inclusion policy areas

- Goal 1. Enable affordable access to broadband services
- Goal 2. Promote an inclusive access to the Internet for all, especially women
- Goal 3. Improve accessibility and digital inclusion of persons with disabilities in the Arab region
- Goal 4. Empower young people to use the Internet safely and responsibly
- Goal 5. Enhance and improve Internet connectivity for schools and health centers (and community centers), especially in rural and remote areas
- Goal 6. Enhance the benefits of using ICT in education
- Goal 7. Develop a comprehensive infrastructure for e-government and its services in the Arab countries
- Goal 8. Increase the efficiency and quality of e-government services infrastructure
- Goal 9. Improve the health sector's efficiency through the use of ICT



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Thank you

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