

The RPKI logo features the text "RPKI" in a bold, black, sans-serif font centered within a white circle. This circle is surrounded by two concentric rings: an inner orange ring and an outer black ring. The entire logo is set against a light beige background with a large orange triangle on the left side.

RPKI



AFRINIC



1

What is Resource Certification?

Resource certification is a security framework for verifying the association between Internet number resources (IP and ASN) and their rightful holders. It is aimed at adding a verifiable form of a holder's current right to use those resources over the Internet. The main component of Resource certification is the Resource Public Key Infrastructure (RPKI) through which certificates are issued to members to match their resources to a public key.

2

RPKI at AFRINIC

We offer a hosted service via the MyAFRINIC portal.

Members can view their certificates and manage Route Origin Authorizations (ROA) specifications.

The system takes care of all the cryptographic operations such as certificate requests and renewals, re-keys and object publication in the repository (<rsync://rpki.afrinic.net> or <https://rpki.afrinic.net>).

3

What Can You Do With Your Resource Certificate?

1. Prove your right to use the resources
2. Sign Route Origin Authorizations
3. Sign Internet Routing Objects (not yet available).
4. Prove ownership of Internet number resources in the context of IPv4 transfer after the exhaustion of IPv4 pool of the RIR.
5. Help secure the inter-domain routing protocol by allowing the use of the resources and validating routing information exchange.

4

Set Your RPKI at AFRINIC

Activate your account on MyAFRINIC if you have not done so before.

Enroll your BPKI certificate under My Account

Navigate to Resources Certification under Resources

If you have any questions, please contact us on: rpki-help@afrinic.net.

<http://afrinic.net/en/initiatives/rpki-certification>