



# AFRINIC Routing Registry

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# Current status

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- Integrated to WHOIS
- Prefix and origin have to be IN region
- Mirrored by APNIC, NTT Com, RADB and RIPE

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## **Routing registry v2.0 in testing phase**

- Input: `whois.afrinic.net` – Query: `rr.afrinic.net`
- Origin might be administered by another RIR
- GRS (daily dump) of APNIC, RADB and RIPE

# Benefits

Free service provided to community

Only AFRINIC hostmasters can create aut-nums

Only owner of prefixes can create route objects for given inet(6)nums

Route objects tied to aut-num

Reduced risk of hijacking

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## **Encourage members to migrate from RIPE:**

- Currently ~40K route objects with AFRINIC administered prefix
- ~34K with an AFRINIC ASN.
- ~6K with a RIPE NCC ASN.

**IRR Homing project: ensure objects belong to authoritative registry**

# Route objects in RIPE database

ASN	AFRINIC	APNIC	ARIN	LACNIC	RIPE
Route objects with AFRINIC prefix	33575	11	11	0	5845

# Prefix IN- Autnum IN

## **Same maintainer for prefix and autnum:**

1. Authentication performed
2. Creation approved



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## **Different maintainers for prefix and autnum:**

1. First maintainer authentication performed
2. Second maintainer authentication performed
3. Creation approved

Possible use of pending update in case of failure to authenticate

# Prefix IN- Autnum OUT

**Process to be finalized**

# Prefix OUT

Creation denied, whether the autnum is IN or OUT

# AFRINIC RR adoption

## **BoFs to:**

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	Imported from RIPE	Imported from RADB	Created locally	TOTAL
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Approx. 2500 queries on the RR since January 2015

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## **Preparation activities:**

1. Get IN-IN member objects from APNIC, RIPE and RADB and sanitize them
2. Publish list on a website with a list of objects to migrate for every organisation



# Boot camps

## Setup:

1. Announce on members list
2. Interest expressed by sending an email at [irr@afnic.net](mailto:irr@afnic.net)
3. Check whether members have existing IN-IN objects in RIPE, APNIC or RADB
4. Remind member to have maintainer password ready
5. Make sure the objects are sanitized

# Boot camps

## **During boot camps:**

- Clarify objective
- Invite each participant to use the migration tool
- Ask participants to review their objects before migration
- Encourage participants to use AFRINIC tools (MyAFRINIC, webupdate) to manage their route objects
- Inform them about mirroring mechanisms and constraints
- Encourage them to clean up the various registries to avoid inconsistencies. Use <http://irrexplorer.nlnog.net>

# Next steps

**Based on adoption of plan by RIPE community,  
communication to AFRINIC community:**

- AFRINIC-23
- Website
- Mailing lists
- Capacity building sessions

Seek feedback from AFRINIC community

Thanks for your attention