

# APNIC Update

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PacNOG 21 04-12-2017

# Outline

- APNIC in the Internet ecosystem
- APNIC Policy update
- APNIC Whois database upgrade
- Implementation of org object

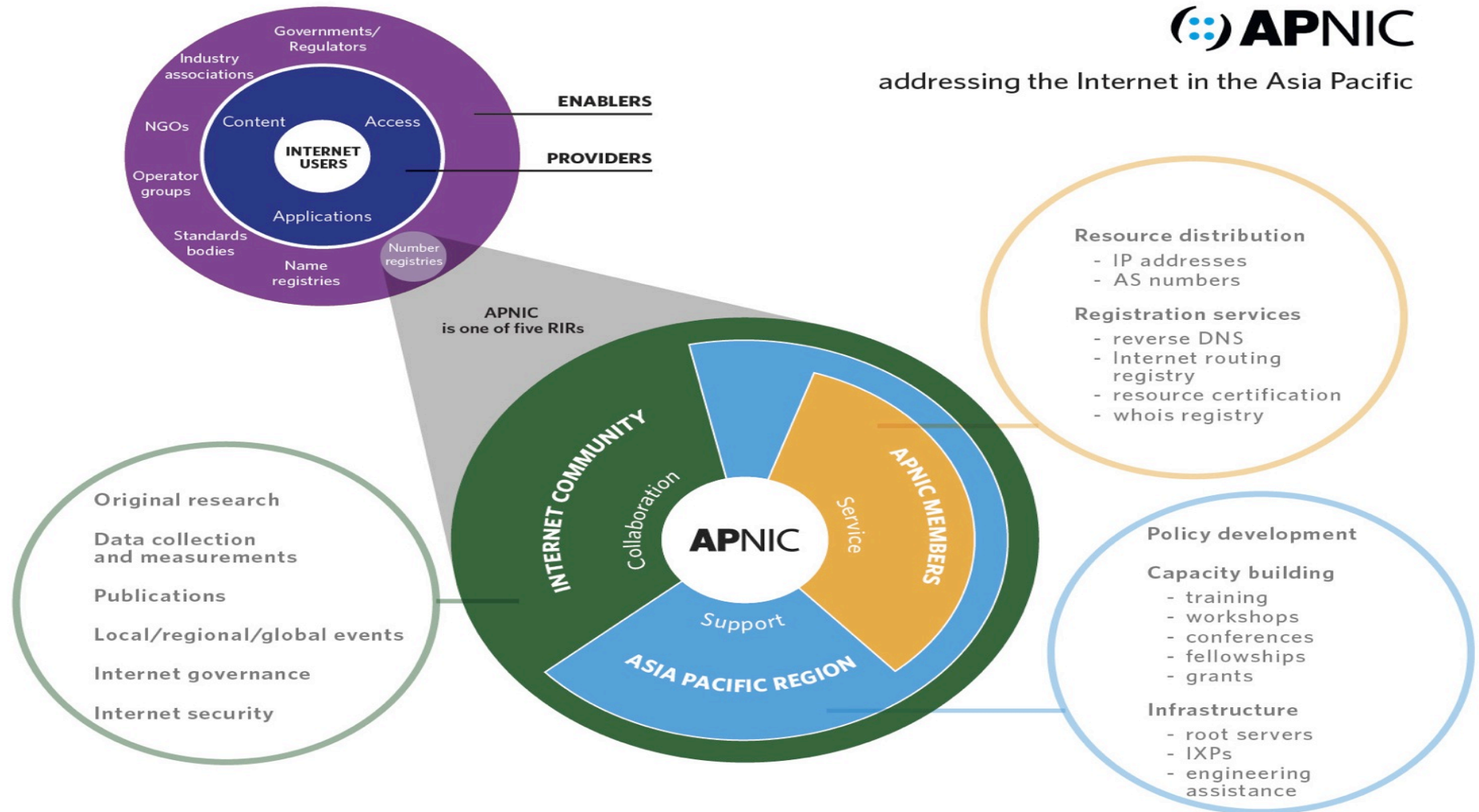
# APNIC and other RIRs



# APNIC region

We serve 56 economies and 6,300+ Members (as of Sept 2017)

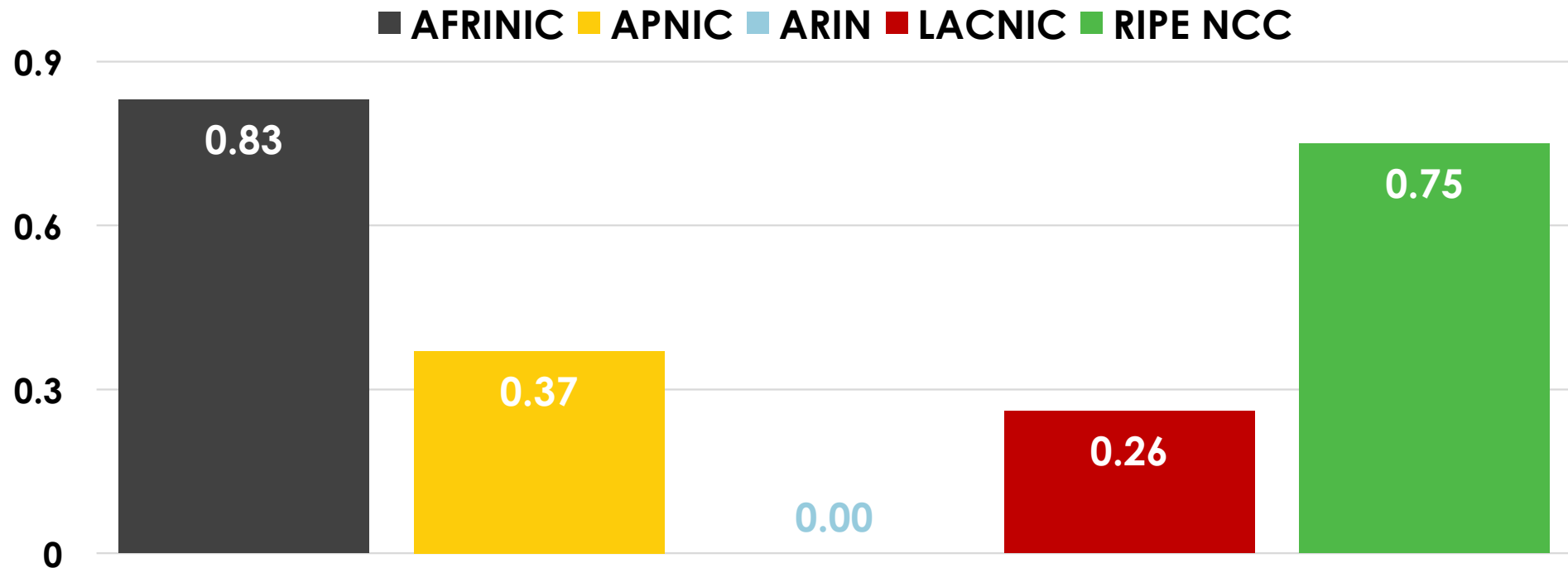




# Where do IP addresses come from?

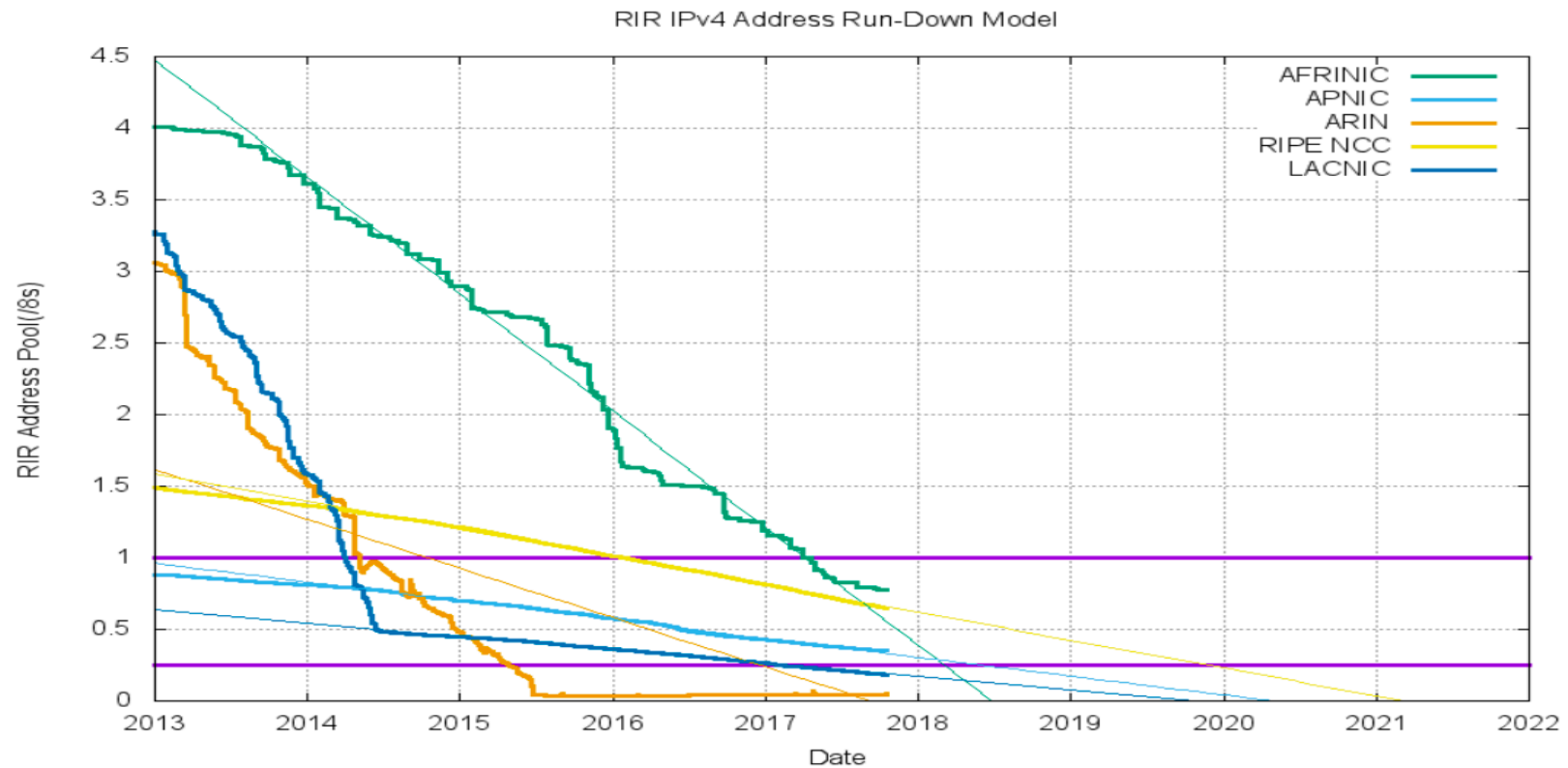


# Remaining address pool consumption



June 2017, NRO

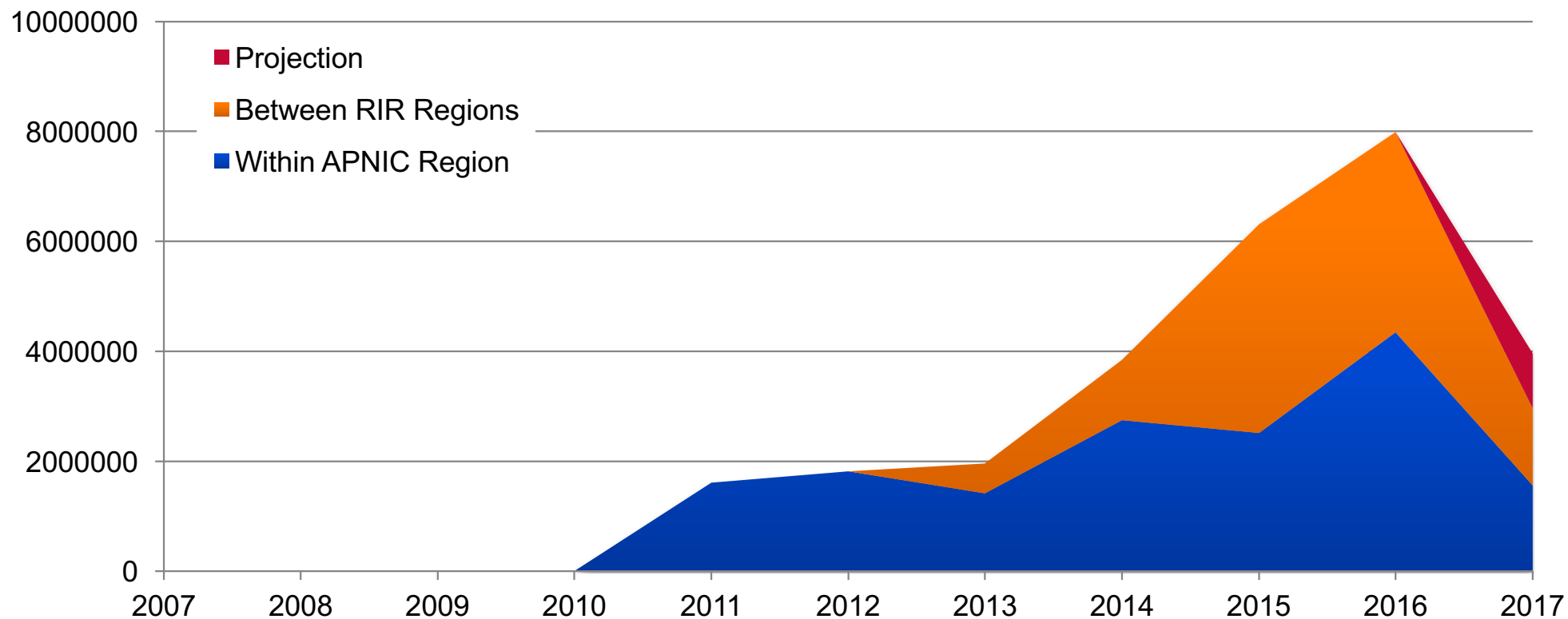
# IPv4 exhaustion



November 2017



# Total IPv4 Transferred



As at 30 Sep

# APNIC policy update

- Implementation of APNIC 44 proposals:
  - *prop-116*: Prohibit to transfer IPv4 addresses in the final /8 block
  - *prop-121*: Updating “Initial IPv6 allocation” policy
  - *prop-122*: Updating “Subsequent IPv6 allocation” policy

# APNIC Whois database upgrade

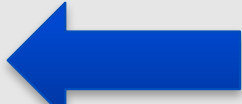
- Motivation
  - To take advantage of enhanced syntax, new flags, and attributes
  - To have a better operational testing platform (dry-run updates)
  - To provide richer APNIC database query options to the public
- Implementation in stages
  - To ensure smooth transition
  - For more details refer to:
    - [https://www.apnic.net/about-apnic/whois\\_search/whois-upgrade/whois-database-upgrade-plan/](https://www.apnic.net/about-apnic/whois_search/whois-upgrade/whois-database-upgrade-plan/)

# New attribute

- “last-modified”
  - The attribute “last-modified” indicates when an object was last updated
- Replaces “changed” attribute
  - Eventually lead to deprecation of the “changed” attribute


# Implementation of last-modified

```
organization: ORG-APNIC1-AP
org-name: Asia Pacific Network Information Centre
descr: Regional Internet Registry for the Asia Pacific r
country: AU
address: 6 Cordelia Street, South Brisbane, QLD 4101, Aust
phone: +61 7 3858 3100
fax-no: +61 7 3858 3199
e-mail: helpdesk@apnic.net
mnt-ref: APNIC-HM
notify: helpdesk@apnic.net
mnt-by: APNIC-HM
changed: hm-changed@apnic.net 20170715
source: APNIC
```



From

```
organization: ORG-APNIC1-AP
org-name: Asia Pacific Network Information Centre
descr: Regional Internet Registry for the Asia Pa
country: AU
address: 6 Cordelia Street, South Brisbane, QLD 4
phone: +61 7 3858 3100
fax-no: +61 7 3858 3199
e-mail: helpdesk@apnic.net
mnt-ref: APNIC-HM
notify: helpdesk@apnic.net
mnt-by: APNIC-HM
last-modified: 20170530T13:27:32Z
source: APNIC
```



To

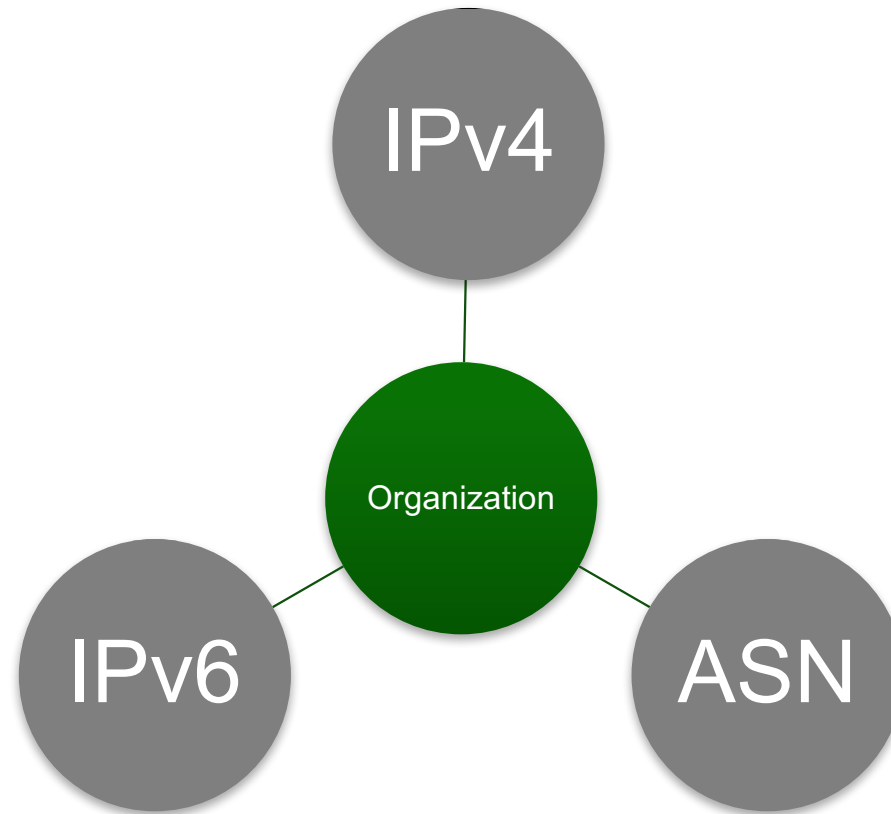
# Implementation of last-modified

- Implementation of last-modified will take place in two phases
  - Phase 1 – Introduction of last-modified
    - Database updates submitted containing the changed attribute will be accepted, but a warning message will be received
    - Database update automatically changed to contain last-modified
    - Implementation for Phase 1 end of September
  - Phase 2 – Use of changed will be obsolete
    - Therefore updates containing this attribute will no longer be accepted
    - Tentative implementation date for Phase 2 after APRICOT 2018

# New object - Organization object

```
organization: ORG-APNIC1-AP
org-name: Asia Pacific Network Information Centre
descr: Regional Internet Registry for the Asia Pacific region
country: AU
address: 6 Cordelia Street, South Brisbane, QLD 4101, Australia
phone: +61 7 3858 3100
fax-no: +61 7 3858 3199
e-mail: helpdesk@apnic.net
mnt-ref: APNIC-HM
notify: helpdesk@apnic.net
mnt-by: APNIC-HM
last-modified: 20170530T13:27:32Z
source: APNIC
```

# Organization object advantage



`whois.apnic.net -i org <Unique org ID> -T inetnum, inet6num, aut-num`



# How are organization objects created?

New APNIC accounts – when resources get delegated  
Existing APNIC accounts – MyAPNIC

MyAPNIC



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[Home](#) / [Administration](#) / [Member Details](#)

## Member Details

### Action Required

Please update any missing or incorrect organizational information in preparation for the introduction of the Whois organization object.

[Details are correct](#)

[Edit member details](#)

Fields marked with an asterisk (\*) are required

### Account details

<b>Account</b>	APNICRANDNET-AU
<b>Tier</b>	MEDIUM

### Organization details

Organization details are used for your Organization object in the APNIC Whois database.

<b>Organization</b>	APNIC Research and Development
<b>Organization email *</b>	tomhorg8@apnic.net
<b>Office address *</b>	6 Cordelia St
<b>Country/economy</b>	AU
<b>Phone *</b>	+61-7-38583100
<b>Fax</b>	+61-7-38583199

### Billing details

<b>Billing address *</b>	Attention: Irene Chan
	6 Cordelia St
<b>City</b>	South Brisbane

# Org objects - What's next for you

- Check your company information
- Update info via MyAPNIC if needed
- Org object created once details have been verified

# Next Conference



<https://2018.apricot.net/register>

# Later...



APNIC 46  
Noumea, New Caledonia  
6 to 13 September 2018  
Don't forget to apply for fellowship



APRICOT 2019  
Daejeon, Republic of Korea  
18 to 28 February 2019

# Thanks!

