Resource Certification in MyAPNIC

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Resource Certification in MyAPNIC

- Focus on tasks
- MyAPNIC pages
- Future direction
Focus on Tasks

• What do you want done?
  • Focus on tasks and resources…
  • … not certificates
• Complex details, if you want them
Welcome to MyAPNIC

Kickstart IPv6!
(2010-02-09 14:00:00)

APNIC Members holding IPv4 addresses but no IPv6 addresses can now obtain an IPv6 address block easily. Eligible Members can see a “Get your IPv6 addresses” icon on the bottom left-hand corner of this page. To take advantage of this new policy, simple click on that icon.
For more information, see Kickstart IPv6.

What can I do?

- View and update your resource information for IPv4, IPv6, AS numbers, Whois updates and Resource certification
- View and update your Member details and Contact details. You may also track your Billing history
- Use the Training section to view training and events history
- Use the APNIC looking glass or generate a prefix report

News

10-02-2010   New APNIC policies now active
27-01-2010   IPv6 indicator in business leaders
21-01-2010   Global recovery to pressure IPv4 address pool
20-01-2010   APNIC supports JANOG 25
20-01-2010   IANA IPv4 pool less than 10%
11-01-2010   EC Nominations now open

- More news...
Resources Management

Reminder
Please register your whois maintainer.

Internet resources
Use MyAPNIC to view and update your information about the following Internet resources:

- IPv4
- IPv6
- ASN
- Whois updates
- Certification
- Maintainers
- Correspondence

Resource request forms
Request more:
- IPv4 addresses
- IPv6 addresses
- AS numbers
Activate Certification

Resource Certification

Activation

Your service is not yet activated. To activate the service click the button below.

NOTE: This process may take a couple of minutes. Please be patient.

Activate Service
Service Activated

Resource Certification

- Your engine has been activated and is ready for use

Resource Certificate Download
Download the current issued certificate covering your owned resource set.

Sign Route Origin Authorization
Create a signed ROA document, certifying your authorization for an Autonomous System to originate routes for your resources.

Sign Adjacency Attestation Object
Create a signed AAO document, certifying that one of your Autonomous Systems is adjacent to other Autonomous Systems.

Recent Signed Products
You have no recently signed products

Advanced Management
For more advanced management of your Route Origin Authorization, Adjacency Attestation Object details or viewing of the activity log.
Create Route Origin Authorization

Resource Certification

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Name ROA

Sign ROA

ROA name

"Owned" Resources

New Collection

IPv4
1.0.0.0/24
1.1.0.0/24
1.2.0.0/24
1.4.0.0/24
1.10.0.0/24
203.133.248.0/22
203.147.108.0/23
IPv6
2401:2000::/32

AS number

Valid from date
2010–08–16

Valid to date
2011–08–16

Create ROA
Add Resources

Sign ROA

ROA name

“Owned” Resources

IPV4
1.0.6.0/24
1.1.1.0/24
1.2.3.0/24
1.4.6.0/24
1.10.10.0/24
203.133.248.0/22
203.147.108.0/23
IPV6
2401:2000::/32

AS number

Valid from date
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Create ROA
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“Owned” Resources

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1.4.0.0/24
1.10.10.0/24
203.133.248.0/22
203.147.108.0/23

IPv6
2401:0000/32

New Collection

Add Selected Resources To Collection

Remove Selection From Collection

AS number
Valid from date 2010-08-16
Valid to date 2011-08-16

Create ROA
Resource Certification

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Download the current issued certificate covering your owned resource set.

Sign Route Origin Authorization
Create a signed ROA document, certifying your authorization for an Autonomous System to originate routes for your resources.

Sign Adjacency Attestation Object
Create a signed AAO document, certifying that one of your Autonomous Systems is adjacent to other Autonomous Systems.

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Advanced Management
For more advanced management of your Route Origin Authorization, Adjacency Attestation Object details or viewing of the activity log.
Route Origin Authorization (ROA)

Advanced management

- **Manage Route Origin Authorization Details**
  Manage your ROA collections and objects.

- **Manage Adjacency Attestation Object Details**
  Manage your AAO collections and objects.

- **Activity Log**
  View the activity log to see when actions were performed, what they were and who initiated the action.
ROA Collection Management

ROA Management

**ROA Collection Management**

View the set of IPv4, IPv6 and ASN resources certified as being in your control. You can also view collections of named resources you have created and maintained to use when signing ROA objects.

**ROA Signed Object Management**

View the set of Route Origin Authorization objects over which you have control. You can reissue or delete these objects.
Add ROA Collection

Edit ROA Collection

Collection Name: Customer_Net
Description: My customer net

Collection Resources

"Owned" Resources

IPV4
203.176.189.0/24
IPV6
2001:db8:a/48

New Collection

Add/remove resources

Add Selected Resources To Collection
Remove Selection From Collection

Save Collection
Add ROA Collection

Edit ROA Collection

Collection Name: Customer_Net
Description: My customer net

Collection Resources

Owned Resources: IPv4 203.176.189.0/24 IPv6 2001:DF0:A/:48

New Collection

Add/remove resources: IPv6 2001:DF0:A/:48

Add Selected Resources To Collection
Remove Selection From Collection
Clear

Save Collection
Add/Remove Resources

Edit ROA Collection

Collection Name: Customer_Net
Description: My customer net

Collection Resources

"Owned" Resources
- IPv4: 203.176.189.0/24
- IPv6: 2001:0f0:a030::/56, 2001:0f0:a100::/56, 2001:0f0:a200::/56

Add/Remove resources
- IPv4: 203.176.189.0/24
- IPv6: 2001:0f0:a100::/56, 2001:0f0:a200::/56

Add Selected Resources To Collection
Remove Selected Resources From Collection

Save Collection
View & Update Collections

Route Origin Authorization Collections

OWNED
Owned Resources
IPV4
203.176.189.0/24
IPV6
2001:DF0:A2:/48
ASN
45192
131102

Customer_Net
My customer net
IPV6
2001:DF0:A5:/56
2001:DF0:A200::/56

Create New Collection
You can create a new collection of IP addresses to be used when signing ROA objects. You can only create a new collection with the resources you already have.
Resource Certification

Resource Certificate Download

Download the current issued certificate covering your own resource set.

Sign Route Origin Authorization

Create a signed ROA document, certifying your authorization for an Autonomous System to originate routes for your resources.

Sign Adjacency Attestation Object

Create a signed AAO document, certifying that one of your Autonomous Systems is adjacent to other Autonomous Systems.

Recent Signed Products

You have no recently signed products.

Advanced Management

For more advanced management of your Route Origin Authorization, Adjacency Attestation Object details or viewing of the activity log.
Future

- “General purpose” signer
- Verifier
General Purpose Signer

• MyAPNIC only
• Upload a file
• Download
  • a detached signature
  • a signed package
Verifier

- Public website
- Upload
  - a file and signature
  - signed package
  - signed object (ROA, etc.)
- Verify signature
- Show certified resource details
- Download package payload
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Questions?

Thank You!
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