

ARIN31



BARBADOS

Delegated RPKI / ARIN Command Line

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Chief Engineer

delegated RPKI

CA Types

Hosted

Delegated

Up/
Down

Web

Hosted or Delegated

Hosted RPKI

To participate in Hosted RPKI you will need to do the following:

1. Generate a ROA Request Generation Key Pair.
2. Select Hosted.
3. Read and agree to the RPKI Terms of Service.
4. Enter your *ROA Request Generation Public Key* into the field provided.
5. Click Submit.

Hosted

Delegated RPKI

To participate in Delegated RPKI you will need to do the following:

1. Generate a Delegated RPKI Key Pair.
2. Select Delegated.
3. Read and agree to the RPKI Terms of Service.
4. Submit your *Delegated RPKI Public Key*.
5. Submit your Base CA Repository URI.
6. Click Submit.

Delegated

Create ROA

Browser Signed

Signed

* denotes optional field

ROA Name: ?

Origin AS: ?

Start Date: ?

End Date: ?

Prefixes: **x 204.117.0.0/24 max length 26**

Prefix: / Max Length * ?

Private Key:

This key will not be uploaded to ARIN.

Web Delegated

Base CA Repository URI:

Learn more about the [Base CA Repository URI](#)

```
rsync://rpki.example.com/repository/
```

Delegated RPKI Public Key for ARIN allocated resources:

Learn more about the [Delegated RPKI Key Pair](#). Or, just how to [create one and extract the public key](#).

```
-----BEGIN PUBLIC KEY-----  
MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAugqlEMmJlenmVQDhBdfz  
XQwypGiRpVuwbwGb73gzUW2ofS3DdP663VNIprKASq/st6iQ7p1a4hSzbUfzegSL  
0C6g0xa6/c3ZvoDu8P5D8EAVj+KZYzIzPSaszyH6jSEmlvatVkpjssQJIG/pJ+8F  
LqerOGQ8N9X47ENf0PLzyt2jBUqwNcRchD/b4W+MkuVBq+iBQ3qsQ8WEI pQg/csd  
Wc9N9c2VmNKxP92CaRKAsrTX4TXd7u1g+fAMsVdSTM6IRbDIrqjn2i4yl6e0VnWW  
8sxrO4V0qbNpYng52jl43LY6pYhCS015d+VoEW3hUIMFCTXcL2rEUI7aqYYeRg/5  
nQIDAQAB  
-----END PUBLIC KEY-----
```

Managing RPKI



ARIN Allocated

Updated: 04-15-2013

Nets: 60

ASNs: 28



View Resources



View Cert



RIPE Allocated

Updated: 04-15-2013

Nets: 1

ASNs: 0



View Resources



View Cert



APNIC Allocated

Updated: 04-15-2013

Nets: 1

ASNs: 0

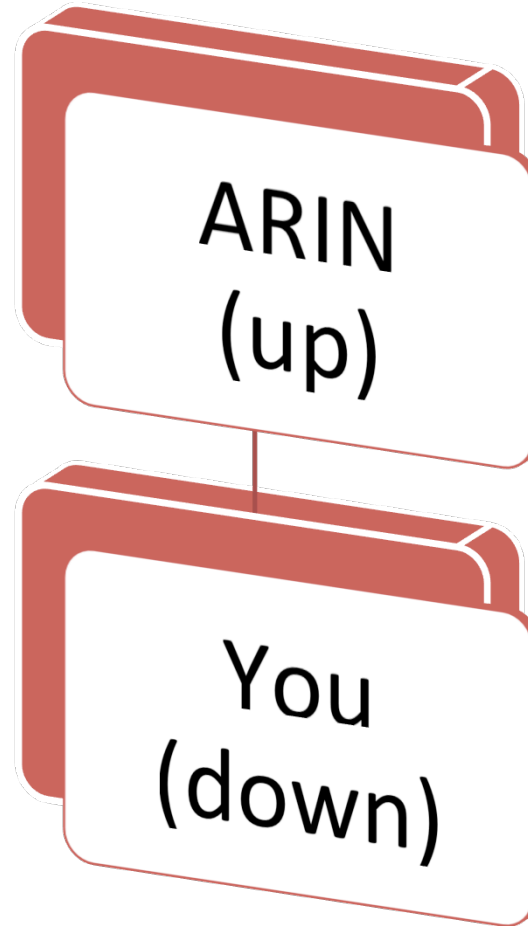


View Resources



View Cert

Up/Down (RFC 6492)




```
<ns0:identity xmlns:ns0="http://www.hactrn.net/uris/rpki/myrpki/"
handle="ChildEngine" version="2">
<ns0:bpki_ta>
MIIC+zCCAeOgAwIBAgIBATANBgkqhkiG9w0BAQsFADANMSUwIwYDVQQDExxDaGls
ZEVuZ2luZSBCUEtJIHJlc291cmNlIENBMB4XDTEzMDIyMDAyMjgwNlloXDTEzMDIy
MDAyMjgwNlloJzElMCMGA1UEAxMcQ2hpbGRFbmdpbmUgQ1BLSSByZXNvdXJjZSBD
QTCCASIWdQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAKuDQ09YNBmIrmwesRw7
8ID38x3UXPAzeQH5COIsFXYEKHoAoJkwfBLUe7oCusMBM/KVRoU44p6/d4f/UYM2
upYoS2nptg9bbPjPteE0PWCMSa5p/HYEKc7v1xZ5+ohothPEf85sL4uQmk2ZgSlT
qTrwjLiT9ywQd4TP0bsgdKcjs0J6YpifRJVaRIkhpNQpZLofBX8iKAC1bLilon2b
ur0u/5lFqDqjCrj8By+DCkmJHx0AKAIPCKWa9ma8bKYfp>lgEUvmRP4VaqNPgV
6T5XoxSeTjvbX8A0uuhS44ezKMYDJo98CierlcE1ghNJ0s7uFlRrSot+
SycCAwEAAaMyMDAwHQYDVR0OBBYEFp2FmAG4u1Q6ykQTbHCE97akPPQhMA8GA1Ud
EwEB/wQFMAMBAf8wDQYJKoZIhvcNAQELBQADggEBACD605rkVLIoHK8yFgG0nqxA
8ToDtV1Or529AaaFE15sGuKFm3YCRLli1IFvSu58Msw7+6ymYRMEYu5fff2pNaQ2
JImJPEkTlS9KZ5wtIz1bc7vKCnbH0/ZKwpsqqbBkKmK63FhLEeU2F4415tyVXku5
485JaXR4+PvljsBViAU2G0TMGOV54b41U3xb60Z5n2vhjYMH2kYNBC6v5Ab/Rcdb
zd0WXWHZh5KvmKHJynOQVh0YUbH34ZikpcoIVF0H5izt7pPUCGc0Ot9Z7VN2rvlv
vEsQU3cs2rKDzNysiubCuv4xz1/py6FohJ5cX+FCeQvcYNFY/8k+O1H+tF+cH5g=
</ns0:bpki_ta>
</ns0:identity>
```

Identity.xml

ARIN from the command line

projects.arin.net

ARIN

American Registry for Internet Numbers

**COMMUNITY
PROJECTS**

PROJECTS

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- Mailin

NAME

arincli - ARIN Command Line Interface

DESCRIPTION

ARINcli is a set of command line scripts, written in Ruby, that utilize both the Whois-RWS(7) service and the Reg-RWS(7) service. Whois-RWS(7) is ARIN's Whois/NICNAME RESTful web service for exposing IP network and ASN registration data to the public (Note this service pre-dates the IETF WEIRDS/RDAP service and is not yet compatible with that specification). Reg-RWS(7) is ARIN's registration RESTful web service available to customers of ARIN.

At the time of this writing, the ARINcli scripts should be considered

		Total	REST	TEMPLATE
Total		2,200,286	832,236	1,368,050
2013	Total	675,844	428,893	246,951
	April	47,868	8,812	39,056
	March	91,808	19,331	72,477
	February	252,566	183,637	68,929
	January	283,602	217,113	66,489
2012	Total	1,010,253	374,862	635,391
	December	126,154	74,418	51,736
	November	62,046	7,723	54,323
	October	74,290	2,760	71,530
	September	64,196	11,660	52,536
	August	67,043	3,263	63,780
	July	51,890	4,927	46,963
	June	285,810	237,866	47,944
	May	70,906	17,102	53,804

arininfo –Whois data

```
anewton@andytop-2:~  
→ arininfo Mark Kusters  
# ARINcli v.1000.0.0-SNAPSHOT  
# Assuming query value is POCNAME  
  
1= Kusters, Mark (KOSTE-ARIN)  
2= Kusters, Mark (KOSTE6-ARIN)  
  
# Use "arininfo -h" for help.
```

```
anewton@andytop-2:~  
→ arininfo 2=  
# ARINcli v.1000.0.0-SNAPSHOT  
# Assuming query value is RESULT  
  
Full Name: Mark Kusters  
POC Handle: KOSTE6-ARIN  
Company Name: ARIN Operations  
Email: markk@arin.net  
Registration Date: Fri, 07 Sep 2012 18:38:22 -0400  
Last Update Date: Fri, 07 Sep 2012 18:38:22 -0400  
  
# Use "arininfo -h" for help.
```

arininfo – sorted, tree-form

```
# ARINcli v.1000.0.0-SNAPSHOT
# Assuming query value is ORGHANDLE

1= ARINOPS ( ARIN Operations )
|--- 1. Points of Contact
|   |--- 1= AOA4-ARIN (Abuse)
|   |--- 2= CHRIS167-ARIN (Tech)
|   |--- 3= KOSTE6-ARIN (Admin)
|   |--- 4= MJ0282-ARIN (Tech)
|   `--- 5= NEWT024-ARIN (Tech)
|--- 2. Autonomous Systems Blocks
|   |--- 1= AS10745
|   |--- 2= AS53535
|   |--- 3= AS393220
|   `--- 4= AS393225
`--- 3. Networks
    |--- 1= NET-192-136-136-0-1      ( 192.136.136.0 - 192.136.136.255 )
    |--- 2= NET-192-149-252-0-1      ( 192.149.252.0 - 192.149.252.255 )
    |--- 3= NET-199-43-0-0-1         ( 199.43.0.0 - 199.43.0.255 )
    |--- 4= NET-199-71-0-0-1         ( 199.71.0.0 - 199.71.0.255 )
    |--- 5= NET-199-84-0-0-1         ( 199.84.0.0 - 199.84.0.255 )
    |--- 6= NET-199-180-180-0-1      ( 199.180.180.0 - 199.180.183.255 )
    |--- 7= NET-199-212-0-0-1        ( 199.212.0.0 - 199.212.0.255 )
    |--- 8= NET-199-253-249-0-1      ( 199.253.249.0 - 199.253.249.255 )
```

Mange POCs / Request Reports

NAME

poc - ARINcli Point of Contact Program

SYNOPSIS

```
poc options --create
poc options --modify POC_HANDLE
poc options --yaml YAML_FILE POC_HANDLE
poc options --delete POC_HANDLE
```

DESCRIPTION

This program uses ARIN's Reg-RWS(7) service to create, modify, or delete

NAME

arinreports - ARINcli Reports Request

SYNOPSIS

```
arinreports options --type whowas_net IP_ADDRESS
arinreports options --type whowas_asn AS_NUMBER
arinreports options --type associations
arinreports options --type reassignments NET_HANDLE
```

DESCRIPTION

This program uses ARIN's Reg-RWS(7) service to request reports from ARIN.

View tickets

1= 20130217-X829 ASSOCIATIONS_REPORT CLOSED
`--- 1= ARIN-20130217-X829 - Associations Report - PROCESSED
`--- 1= ARIN-Associations-Report.xls

2= 20120826-X8953 QUESTION CLOSED
|--- 1= what is whois
|--- 2= Ticket Status Update
|--- 3= Ticket Status Update
|--- 4= [ARIN-20120826-X8953] - Question - WHOIS/Routing Registry - what is
|--- 5= Ticket Status Update
|--- 6= Ticket Status Update
`--- 7= Ticket Status Update

3= 20120826-X8952 WHOWAS_ACCESS CLOSED
|--- 1= Ticket Status Update
|--- 2= Ticket Status Update
|--- 3= [ARIN-20120826-X8952] - WhoWas Access - MORE INFO NEEDED
|--- 4= Ticket Status Update
|--- 5= (no subject)
|--- 6= [ARIN-20120826-X8952] - WhoWas Access - ACCEPTED
|--- 7= Ticket Status Update
`--- 8= Ticket Status Update

Messages & Attachments

----- BEGIN MESSAGE 4 -----

Subject: [ARIN-20120826-X8953] - Question - WHOIS/Routing Registry - what is
Category: NONE
Date: Mon, 27 Aug 2012 11:32:13 -0400
Message Id: 500781

Hello Andrew,

Whois tells you who is the Spammer. Whois also sells IPs in packs of 6, 12, and cases of 24 shipped to you bubblewrapped in a discrete unmarked brown box.

If your request has not been resolved to your satisfaction, please click the Reply button below. If you are satisfied with this resolution, please click the Close Ticket button below. The ticket will automatically close on 09-10-2012 if no action is taken.

Regards,

Eddie Diego
ARIN Resource Analyst

For an up to date look at ARIN's current IPv4 inventory, please check here:
https://www.arin.net/resources/request/ipv4_depletion.html

ARIN31

Manage Reverse DNS

```
$TTL 86400 ; 24 hours could have been written as 24h or 1d
$ORIGIN 136.136.192.IN-ADDR.ARPA.
@ 1D IN SOA ns1.example.com. mymail.example.com. (
    2002022401 ; serial
    3H ; refresh
    15 ; retry
    1w ; expire
    3h ; minimum
)
    IN NS    ns1.example.com.
    IN NS    ns2.example.com.
; server host definitions
1     IN PTR  ns1.example.com.
2     IN PTR  www.example.com.
; non server domain hosts
3     IN PTR  bill.example.com.
4     IN PTR  fred.example.com.
```

```
anewton@andytop-2:~
→ rdns --zonefile ~/tmp/rdns-example.db --no-verify
# ARINcli v.1000.0.0-SNAPSHOT
# Parsing /Users/anewton/tmp/rdns-example.db.
# Modifying reverse DNS delegation 136.136.192.in-addr.arpa.
```

Questions?

HELP

Questions and comments regarding this software may be directed to ARIN's Technical Discussion mailing list (arin-tech-discuss@arin.net). Archives and subscription information are available at <http://lists.arin.net/pipermail/arin-tech-discuss/>.