### **MyAPNIC Features**

# (I) APNIC





### **MyAPNIC Access**





## Access for Corporate Contacts is easy...

Simply register and confirm the details





Login Register

MyAPNIC / Register

### Registration

### **Your details**

Username	*	fazza	Help
Password (at least 8 characters)	*	•••••	Help
Confirm password	*	•••••	Help
Full name	*	Faza Azzam	
Email address	*	vivek@apnic.net	
Member account name	*	MYAPNIC-TEST-AP	Help
		Register	





#### Login Register

MyAPNIC / Register

### Registration

### Your registration

#### Success

You have successfully registered for MYAPNIC-TEST-AP.

You will receive an email shortly containing an activation link that must be clicked for you to be able to access MyAPNIC.





Subject: MyAPNIC Registration From: helpdesk@apnic.net ▼ Date: 7:20 PM To: vivek@apnic.net ▼

Dear Faza Azzam,

This email confirms your registration to access MyAPNIC for the following account:

MYAPNIC-TEST-AP

Your details are as follows:

Name = Faza Azzam Username = fazza Email address = <u>vivek@apnic.net</u>

Before you can access MyAPNIC, you will need to click the following link:

https://myapnic.net/auth/ccactivate.html?ctc\_id=317615&uid=fazza&token=2B8BE7AC-9E17-11DF-96C1-A46637E08A02

Kind regards,

MyAPNIC











### **Non-Corporate Contact Access**

Step 1: Register

### Step 2: Forward the Authorization Code to your Corporate Contact for approval





### Login Register

#### MyAPNIC / Register

### Registration

#### **Your details**

	Username	*	haru	Help	
	Password (at least 8 characters)	) *	•••••	Help	
	Confirm password	*	•••••	Help	
	Full name	*	Haru Golding		
	Email address	*	vivek@apnic.net		
	Member account name	*	MYAPNIC-TEST-AP	Help	
			Register		
(:: <b>]</b> ::y::					A



Login Register

MyAPNIC / Register

#### Registration

#### Your registration

#### Success

You have successfully registered for MYAPNIC-TEST-AP.

Your authorization code is hOv6mducYE

Please provide your authorization code to one of your corporate contact(s) below for approval to access MyAPNIC:

- Tom H
- George K
- Vivek Nigam
- Vivek Nigam
- gkgk
- Wita Laksono
- Faza Azzam

You will receive an email confirming your registration.

Your corporate contact(s) will receive an email informing them of your request for approval to access MyAPNIC.

PN

Login

(::j::j::j:

Subject: MyAPNIC Registration From: helpdesk@apnic.net ▼ Date: 7:34 PM To: vivek@apnic.net ▼

```
Dear Haru Golding,
```

This email confirms your authorization code to access MyAPNIC for the following account:

MYAPNIC-TEST-AP

Your details are as follows:

Name	=	Haru Golding
Username	=	haru
Email addrogg	_	wiweklappig not
Authorization cod	le =	hOv6mducYE

Before you can access MyAPNIC, you will need to provide your authorization code to one of the following Corporate Contact(s) to approve your access.

\* Tom H
\* George K
\* Vivek Nigam
\* Vivek Nigam
\* gkgk
\* Wita Laksono
\* Faza Azzam

Kind regards,

MYAPNIC





### Access Multiple Accounts with One Login





	Home	Resources	Administration	Training	Tools
	Home				
Hello Faza! My Profile	Welcome	e to MyA	PNIC		
Manage Contacts	What ca	n I do?			
Membership details Account: MYAPNIC-TEST-AP Expiry: 2020-02-28 Renew Tier: very small	<ul> <li>View at Resource</li> <li>View at history</li> <li>Use the</li> <li>Use the</li> <li>Use the</li> </ul>	nd update you ce certificatior nd update you e Training sect e APNIC lookir	ir resource information ir Member details and ion to view training a ing glass or generate a	n for IPv4, IPv Contact detai nd events hist prefix report	v6, AS numbers, Whois updates and ils. You may also track your Billing ory
APNIC Digital Certificate Get your certificate now.	02-08-2010 19-07-2010 19-07-2010 07-07-2010 05-07-2010	APNIC attend NRO NC nomi 2009 APNIC A APNIC suppor New APNIC p	s APEC TEL 42 inations close 26 July Annual Report now availal rts SANOG 16 olicies now active	ble	
Get a certificate	More n	ews			





Home / My Profile

### My Profile

### Memberships

Account	Email address	Notifications?	Authorization code
You have access to the followin	ig account:		
MYAPNIC-TEST-AP	vivek@apnic.net		
	Save changes	1	
Add another accour	nt		
To access another account, a	dd the account name and yo	our email for the acco	unt below.
Account	Email address	Notification	s?
APNICTRAINING-AU	vivek@apnic.net		
	Add		





Home / My Profile

### My Profile

#### Memberships

Account	Email address	Notifications?	Authorization code
You have access to the followin	g account:		
MYAPNIC-TEST-AP	vivek@apnic.net		
Your access to the following ac	count is pending approval:		
APNICTRAINING-AU	vivek@apnic.net	$\checkmark$	8AsXtPOZ2d
	Save changes		

#### Add another account

• Your request has been successfully sent. Check your email to ensure your authorization code is sent to your corporate contact for approval.





### Contact Management by Corporate Contact





### **Approve Access Requests**







### Administration

View your billing history and membership details:

- Member details
- Contact details
- Access list
- Billing history
- Annual membership fee calculator
- Correspondence







#### Pending access

Date (UTC)	Username	Email address	Authorization code	Billing	Technical	Approve access	Reject access
2010-08-02 09:34:38	haru	vivek@apnic.net	hOv6mducYE		V	Approve	Reject







Access request successfully approved.

#### Pending access

No pending access requests.





### **Add/Remove Contacts**





#### Manage contacts

Use this page to add, delete and modify contact information and MyAPNIC access privileges. To add a contact, type in the contact detail into the input fields at the bottom of this table, and click 'Add'. To update access privileges for a contact, click on the "+" next to the username.

#### **Registered member contacts**

Full name	Email (red == invalid)	Job title	MyAPNIC username	Corporate	Billing	Technical	
Tom H	tomh@apnic.net		[+] tomtest		$\checkmark$		Delete
George K	hdtest01@gmail.com		georgetest	1		$\checkmark$	Delete
Jen Anderson	jen@apnic.net		[+] jena				Delete
Bhadrika Magan	bhadrika@apnic.net		[+] BhadrikaM				Delete
James Lemon	jlemon@apnic.net		[+] jlemon				Delete
Mario Crnic	ario@apnic.net	project officer					Delete





Add new contact

### Manage Access Privileges





Robert Bailey	rbailey@apnic.net	[+] rbailey			Delete	Approve certificate
Robert Bailey	rbailey@apnic.net	[+] rbaileytest			Delete	Approve certificate
tomd	tomd@apnic.net	[+] tomd			Delete	
test test	vivek@apnic.net				Delete	
test test	vivek@apnic.net	]			Delete	
vivek tester	vivek@apnic.net				Delete	
vivek tester	vivek@apnic.net				Delete	
test	test@apnic.net				Delete	
Faza Azzam	vivek@apnic.net	fazza	1		Delete	
Haru Golding	vivek@apnic.net	[+] haru			Delete	Approve certificate
		Update	)			
Add new contact per	rson					
		-				
		Add				







Delete





### Approve Digital Certificate Requests Submitted by Non-Corporate Contacts





#### **Registered member contacts**

#### Email (red == Job title Corporate Billing Technical Full name MyAPNIC username invalid) $\checkmark$ $\checkmark$ Tom H tomh@apnic.net [+] tomtest Delete Approve certificate George K ✓ $\checkmark$ hdtest01@gmail.com Delete georgetest $\checkmark$ Approve certificate Jen Anderson jen@apnic.net [+] jena Delete $\checkmark$ Approve certificate bhadrika@apnic.net Bhadrika Magan [+] BhadrikaM Delete $\checkmark$ Approve certificate James Lemon jlemon@apnic.net [+] jlemon Delete $\checkmark$ project officer Mario Crnic ario@apnic.net Delete ⊻ $\checkmark$ Approve certificate tanya@apnic.net Tanya Samuel [+] tanyas Delete





Add new contact

#### **Registered member contacts**

Certificate request from user 'tomd' approved.

Add new contact

Full name	Email (red == invalid)	Job title	MyAPNIC username	Corporate	Billing	Technical		
Tom H	tomh@apnic.net		[+] tomtest				Delete	
George K	hdtest01@gmail.com		georgetest	1		$\checkmark$	Delete	
Jen Anderson	jen@apnic.net		[+] jena				Delete	Approve certificate
Bhadrika Magan	bhadrika@apnic.net		[+] BhadrikaM				Delete	Approve certificate
James Lemon	jlemon@apnic.net		[+] jlemon				Delete	Approve certificate
Mario Crnic	ario@apnic.net	project officer					Delete	
Tanya Samuel	tanya@apnic.net		[+] tanyas				Delete	Approve certificate





### **APNIC Digital Certificates**

### **Required for:**

- Online voting
- Resource Certification
- Corporate Contact to approve other contacts' certificate requests





### **APNIC Digital Certificates**

### Corporate Contacts can download immediately after login





	Home	Resources	Administration	Training	Tools
	Home				
Hello Faza! My Profile	Welcome	e to MyA	PNIC		
Manage Contacts	What ca	n I do?			
Membership details Account: MYAPNIC-TEST-AP Expiry: 2020-02-28 Renew Tier: very small	<ul> <li>View ar Resource</li> <li>View ar history</li> <li>Use the</li> <li>Use the</li> <li>Use the</li> </ul>	nd update you ce certification nd update you e Training sect e APNIC lookin	r resource information r Member details and ion to view training a ng glass or generate a	I Contact deta d Contact deta and events hist a prefix report	v6, AS numbe ils. You may a tory
APNIC Digital Certificate Get your certificate now.	02-08-2010 19-07-2010 19-07-2010 07-07-2010 05-07-2010	APNIC attend NRO NC nom 2009 APNIC / APNIC suppor New APNIC p	s APEC TEL 42 inations close 26 July innual Report now availa ts SANOG 16 olicies now active	ble	
Get a certificate	More no	ews			



,





Voting

Resources

### Administration

Training Tools

Home / Submit certificate request

### Submit Certificate Request







### **Digital Certificate Request**

For a **Non-Corporate Contact**:

- Request upon login
- Request to be approved by Corporate Contacts





	Home	Resources	Administration	Training	Tools
	Home				
Hello Wita!	Welco	ome to MyA	PNIC		
My Profile Manage Contacts	Mem (2010	1 <b>ber Services Up</b> 1-07-01)	date		
Membership details Account: MYAPNIC-TEST-AP	The APNI APNI enqu	APNIC Secretariat C Member Service iries.	has extended Helpdes s staff are now availal	sk services hou ble 12 hours p	urs to 21:00 (UTC +10). er day to assist Members
Tier: very small	What	can I do?			
APNIC Digital Certificate Get your certificate now.	<ul> <li>Vie</li> <li>Re</li> <li>Vie</li> <li>Vie</li> <li>his</li> <li>Us</li> <li>Us</li> </ul>	ew and update you source certification ew and update you story se the Training sector se the APNIC looking	ur resource information n ur Member details and tion to view training a ng glass or generate a	n for IPv4, IPv Contact detaind events hist prefix report	v6, AS numbers, Whois u ils. You may also track yo cory
Request a certificate	News	5			

### Home Voting Resources Administration

Home / Request approval

### **Request approval**

Approval request emails have been sent to the corporate contacts for your member account. You will receive an email once a corporate contact has approved your request.

Training

Tools





### Lost Your Digital Certificate?




# You Can Request a New Digital Certificate





Home / My Profile My Profile Memberships				Account Permission View your account
Account	Email address	Notifications?	Authorization code	permissions
You have access to the follow	ing account:			Certificate
MYAPNIC-TEST-AP	vivek@apnic.net			details
Your access to the following a	ccount is pending approval:			View your certificate
APNICTRAINING-AU	vivek@apnic.net	$\checkmark$	8AsXtPOZ2d	ucians
	Save changes			CA Certificate
				Download CA certificate





Home / My Profile / Certificates

#### Your Certificates

You have been issued with the following certificate(s):

Serial number	Expiry date
536C3AAA2C4905D4	2011-08-02 09:50:44

If you require an additional certificate, you are advised to use a backup copy of your current valid certificate.

Please only request an additional certificate when you are not able to recover your backup copy.

An APNIC certificate is required to perform certain operations such as Resource Certification and Online Voting. It is also required for a Corporate Contact to approve certificate requests for other account contacts. A certificate is valid for 12 months from the date of issue.

For more information on APNIC certificates, please see http://www.apnic.net/services/manage-resources/digital-certificates.

If you have any other queries, please email helpdesk@apnic.net for assistance.







#### Home

Resources Adm

Administration

Training Tools

Home / Request approval

### **Request approval**

Voting

Your certificate request has been sent to APNIC Member Services. You will receive an email when your request is approved.





# **Billing and Payment**





# Online Membership Fee Calculator





### Annual membership fee calculator

Use this tool as a guide to estimate APNIC fees based on your resource holdings.

	Your fe	es are based on t	he higher of the	following			
		Resources	Total	Fee			
	IPv4	/22	1,024	\$1,994			
	IPv6			\$0			
÷,	Donouus	l fee baced on re	eource holding	an of 02 Au	- 2010		
1	Reliewa	in ree based on re	source norungs		9 2010		
	Fee base	d on the table abov	/e		\$1,994		
	Total fe	e		:	\$1,994		
œ	lide growt	th prediction					
Add or remove resources							
			Add or	remove reso	urces		
	=	Resources	Add or Add	remove reso	urces Remove	Total	
	IPv4	Resources	Add or Add	remove reso	urces Remove	<b>Total</b> 1,024	
	IPv4 IPv6	Resources 1,024	Add or Add	remove reso	Remove	<b>Total</b> 1,024	
R	IPv4 IPv6 Reset	Resources 1,024 Calculate	Add or Add	remove reso	Remove	<b>Total</b> 1,024	
R	IPv4 IPv6 Reset	Resources 1,024 Calculate Renewal fee ba	Add or Add	remove reso	Remove	<b>Total</b> 1,024	
R	IPv4 IPv6 Reset	Resources 1,024 Calculate Renewal fee bass are based on the l	Add or Add	remove resol	Remove	<b>Total</b> 1,024	





Fee

\$1,994

\$0

# Online Membership Fee Payment





Home	Resources	Administration	Training	Tools		
Member d	letails Contac	t details Billing	history Anni	ual fee calculator	Correspondence	
Home / A	Administration / B	illing history				

## Billing history

#### Total outstanding balance: AU\$ 1,994.00

Pay your invoice by credit card below.

See your invoice for other payment methods.

**Note:** If you have made your payment online, there may be a delay of 1-3 days for that transaction to be shown in your Billing history.

#### Full Billing History

Date	Ref.	Description	Amount debit	Amount credit	Pay status
01 Aug 2010	B00001574	Renewal Member Fee 01/08/2010-31/07/2011	AU\$ 1,994.00		Pay now







Transaction Details					
Merchant	Apnic Pty Limited				
Amount	\$1994.00				
Reference B00001574					
More information about the merchant please click here.					

Payment Details					
Credit Card Number					
CVV Number	(What is my CVV number?)				
Expiry Date	/ (format: MM/YY)				
Card Holder's Name (Optional)					
Receipt Email Address (Optional)	dinesh@eroads.in				
PLEASE CLICK BUTTON ONLY ONCE Processing may take up to 80 seconds. Do not use the BACK or FORWARD buttons of your browser.					
	Cancel Payment Confirm Payment				

#### Important Information

Once the payment is complete you may receive a warning from your Browser that you are entering an insecure area. This is of no consequence as your payment has been completed and you are returning to **Apnic Pty Limited**'s website.





# View Contact: Non-Corporate Contact







### Contact details

Pay your invoice by credit card at https://www.apnic.net/payments.

See your invoice for other payment methods.

Full name	Email	Corporate	Billing	Technical
Amante Alvaran	amante@apnic.net	×	1	1
Champika Wijayatunga	champika@apnic.net	×	1	1
George Kuo	george@apnic.net	1	1	1
Tanya Samuel	tanya@apnic.net	×		1
Anna	anna@apnic.net			1
Arth Paulite	arth@dnskey.net	×	1	1
Adam Gosling	adam@apnic.net			1
Vivek Nigam	vivek@apnic.net	×	1	1
Wita Laksono	wita@apnic.net	×	1	1
anan	anan@apnic.net			1
Jeffrey Tosco	jeffrey@apnic.net	×	1	1
Stella Best	stella@apnic.net	1	1	1





# **One-Click IPv6**





	Home	Resources	Administration	Training	Tools	
	IPv4	IPv6 ASN	Whois updates	Maintainers	IRTs	Correspondence
Home / Resource management						
Resource management						

#### **Internet resources**

View and manage resources

#### Whois database updates

Add/Update/Delete Whois objects

#### **Resource request forms**

- IPv4 addresses
- IPv6 addresses
- AS numbers

#### **Resource transfer/return**

- Transfer resources into another account
- Receive resources into my account
- Return resources to APNIC



Get your IPv6

addresses!



Home / Resource management / One-Click IPv6

## **One-Click IPv6**

- Based on your current IPv4 holding, you are eligible for a /32 IPv6 allocation.
  - This IPv6 allocation will not affect your annual membership fee.

Please click 'Confirm' button below to accept this allocation.













## **Resource Management**





## **View Your Resources**





Home	Resources	Administration	Training	Tools			
IPv4 I	Pv6 ASN	Whois updates	Maintainers	IRTs	Correspondence		
Home / Resource management							
Deservice mene contact							

### Resource management

#### Internet resources

View and manage resources

### Whois database updates

Add/Update/Delete Whois objects

#### **Resource request forms**

- IPv4 addresses
- IPv6 addresses
- AS numbers

#### **Resource transfer/return**

- Transfer resources into another account
- Receive resources into my account
- Return resources to APNIC





	Home	Resources	Administration	Training	Tools	
	IPv4 I	Pv6 ASN	Whois updates	Maintainers	IRTs	Correspondence
Home / Resource management /	Summary					

### Summary of all resources

IPv4 manage	IPv4 manage		IPv6 manage		
Address range	<u>Length</u>	Address Range	<u>Length</u>	Number	
61.45.250.0	/23	2001:0DF0:0090::	/48	55471	
61.45.252.0	/22	2401:4600::	/32	131211	
202.125.96.0	/23				





# **Whois Updates**





Home	Resources	Administration	Training	Tools	
IPv4 I	v6 ASN	Whois updates	laintainers	IRTs	Correspondence
Home / Re	source manage	ement / Whois update			

### MyAPNIC Whois Update

The information you register will be available publicly in the APNIC Whois database, unless the 'Private' option is available and specified.







Add Update Del	lete Bulk Whois Updates
	Object type inetnum
	Search 61.45.253.0 - 61.45.253.25
	Public OPrivate
	Search
inetnum	61.45.253.0 - 61.45.253.255 Т
netname	TEST-AP T
descr	test.
country	AU
admin-c	VN61-AP
tech-c	VN61-AP
status	ASSIGNED NON-PORTABLE
mnt-by	MAINT-MYAPNIC-AP
mnt-irt	IRT-MYAPNIC-TEST-AP
changed	vivek@apnic.net 20101115
source	APNIC
	descr 🗘 Add field
	Submit





# **Bulk Whois Updates**





### Whois bulk update

<ul> <li>All objects (text file upload)</li> </ul>
Please attach a plain text file containing the object templates you wish to register, update, or delete.
Whois type Public 🗘
Please select file to upload Browse
Submit
Single attribute update
Domain objects (zone file upload)





### Whois bulk update

All objects (text file up	load)
<ul> <li>Single attribute update</li> </ul>	•
You can do a bulk upda using the form below:	te of your inetnum, inet6num, and aut-num objects
Whois type	Public ≑
Object type	inetnum ≑
Attribute	mnt-irt 🗧 IRT-APNICTRAINING-AU 😫
Range	
	Submit
Domain objects (zone	file upload)





### Whois bulk update

All objects (text file upload)	
Single attribute update	
<ul> <li>Domain objects (zone file u</li> </ul>	pload)
By using this update, the info the nserver and ds-rdata att For more information on DN http://www.apnic.net/dnsse	ormation on your zone file will be used to update ributes of your existing domain objects. SSEC, please see : c
Please select file to upload	Browse
	Submit





# **Maintainer List**





Home	Resources	Administratio	on Training	Tools		
IPv4 I	Pv6 ASN	Whois updates	Maintainers	I RTS	Correspondence	
Home / Re	Home / Resource management / Maintainer list					
Maintainer list						

When using MyAPNIC to manage your Whois objects, MyAPNIC will retrieve the maintainer and its password from this list. You should ensure that all maintainers referenced by the Whois objects you manage are added to this list. To add a maintainer, please supply the maintainer name and its plain text password in the fields below. If you have reset the password, you must update the password saved in this list.

Registered maintainers	Authentication method	Password	Update password	Delete
MAINT- AU-APNICTRAINING	MD5-PW	Password invalid, please update.	Update	Delete
MAINT-AU-VIVEK	CRYPT-PW	Valid password		Delete
	Maintainer	Password	Add	
			Add	





# **IRT** object





Home		Resources		Administration	Training	Tools			
IPv4	I	Pv6	ASN	Whois updates	Maintainer	IRTs		Correspondence	
Home	/ Re	esourc	e manage	ment / IRT list					
IDT list									

### IRT list

The APNIC Whois Database now requires the IRT object to be referenced by your inetnum, inet6num, and aut-num objects.

You should ensure that all IRT objects referenced by the whois objects you are managing are added to this list.







# **Bulk Reverse DNS**





Home / Resource management / Reverse DNS

### Add reverse DNS delegation

Important: The information you provide in the form below will be used to create your domain object in the APNIC Whois Database. Please make sure that your name servers are running and are authoritative for the zone, or your reverse DNS delegation might not function correctly.

Address range:	202.125.97.0/24	
Use CIDR address prefix notation. Multiple range allowed, one range per line.		
	Example:	
	202.12.28.0/22 202.120.0.0/20	
Name servers:	ns1.apnic.net	
List fully qualified domain name of at least one server.		
Important: Do not list IP addresses or reverse DNS names.	Example: nsl.example.com ns2.example.com	
Maintainer:	MAINT-AU-VIVEK Example:	
	MAINT-AU-EXAMPLE	
	Next	





### Add reverse DNS delegation

The following reverse domain objects have been created in the APNIC Whois Database. This information will be merged into the APNIC master zone file within the next 2 hours.

To include DNSSEC for your domain objects, you can click on the individual domain objects below, or use the Whois bulk update form.

For more information on DNSSEC, please see

http://www.apnic.net/dnssec

Reverse domain	Zone contact	Primary server	Maintained by	Delete
97.125.202.in-addr.arpa	AH256-AP	ns1.apnic.net	MAINT-AU-VIVEK	Delete





### MyAPNIC Whois Update

The information you register will be available publicly in the APNIC Whois database, unless the 'Private' option is available and specified.

Add Update	Delete Bulk Whois Updates				
	Object type domain 🗧				
	Search 97.125.202.in-addr.arpa				
	Search				
domain	97.125.202.in-addr.arpa	Т			
descr	Reverse zone for 202.125.97.0/24	Т			
admin-c	AMS11-AP	Т			
tech-c	AH256-AP	Т			
zone-c	AH256-AP	Т			
nserver	nserver ns1.apnic.net				
nserver	ns2.apnic.net	ΤΧ			
mnt-by	MAINT-AU-VIVEK				
changed	tomh@apnic.net 20110812	Т			
ds-rdata		ТХ			
source	APNIC				
descr 🗘 Add field					
	Submit				





## **IPv6 Tools**




## - IPv6 Sparse Assignment

The IPv6 Sparse Assignment tool enables you to create assignments that are spaced apart from one another, ensuring assignments can grow as needed while maintaining route aggregation.

Enter an IPv6 address of a block where the assignments will come from (beginning address & prefix length), number of assignments you need to make, and the minimum size of the assignment (optional).

	Beginning address *	2401:4600::	
	Prefix length *	32	e.g. 32
	Number of assignments *	16	e.g. 5
	Minimum assignment size		e.g. 35
		Submit	
•	IPv6 Subnets		
+	IPv6 Subnets IPv6 Reverse Domains		
•	IPv6 Subnets IPv6 Reverse Domains APNIC Looking Glass		
) ) )	IPv6 Subnets IPv6 Reverse Domains APNIC Looking Glass Prefix Report		





```
Prefix entered
                         \Rightarrow 2401:4600::/32
Block count
                         => 16
Required minimum block length => 128
Actual minimum block length => 37
_____
Beginning address
_____
2401:4600::
2401:4600:8000::
2401:4600:4000::
2401:4600:c000::
2401:4600:2000::
2401:4600:a000::
2401:4600:6000::
2401:4600:e000::
2401:4600:1000::
2401:4600:9000::
2401:4600:5000::
2401:4600:d000::
2401:4600:3000::
2401:4600:b000::
2401:4600:7000::
2401:4600:f000::
```





IPv6 Sparse Assignment

• IPv6 Subnets

The IPv6 subnet calculator allows you to subnet any given IPv6 prefix with a specified subnet length. Enter an IPv6 prefix and click on 'Submit' to view subnets based on the subnet length selected.

Address prefix *	3200::/32	e.g. 2001::/32
Subnet length *	36	e.g. 48
	Submit	
IPv6 Reverse Domains		
APNIC Looking Glass		
Prefix Report		
MD5 Hashing		





```
_____
Prefix entered => 3200::/32
Subnet mask
              => FFFF:FFFF:F000::
Subnet length
              => 36
Number of subnets => 16
_____
/36 prefixes
_____
          _____
3200::/36
3200:0:1000::/36
3200:0:2000::/36
3200:0:3000::/36
3200:0:4000::/36
3200:0:5000::/36
3200:0:6000::/36
3200:0:7000::/36
3200:0:8000::/36
3200:0:9000::/36
3200:0:A000::/36
3200:0:B000::/36
3200:0:C000::/36
3200:0:D000::/36
3200:0:E000::/36
3200:0:F000::/36
```





IPv6 Sparse Assignment					
IPv6 Subnets					
-	IPv6 Reverse Domains				
	The IPv6 Reverse Domain tool generates the reverse domains for any given IPv6 prefix. Enter an IPv6 prefix and click on 'Submit' to view the reverse domains.				
	Address prefix *	2001::/47	e.g. 2001::/32		
		Submit			
•	APNIC Looking Glass				
Prefix Report					
	MD5 Hashing				





Prefix entered	=> 2001::/47
Reverse domain length	=> 48
Reverse domain count	=> 2
Address range	Reverse domain
2001::/48	0.0.0.0.0.0.0.0.1.0.0.2.ip6.arpa
2001:0:1::/48	1.0.0.0.0.0.0.0.1.0.0.2.ip6.arpa





## **DNS Tools**





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## Tools

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Reverse domain verification			
The Reverse domain verification tool enables you to check that your zone has been configured correctly, in order to complete your delegation successfully. This includes verification of the required records for DNSSEC implementation.Reverse domain203.in-addr.arpaDNSSEC verification $\Box$			
	Submit		





## **Reverse domain verification**

The Reverse domain verification tool enables you to check that your zone has been configured correctly, in order to complete your delegation successfully. This includes verification of the required records for DNSSEC implementation.

Reverse domain DNSSEC verification		203.in-addr.arpa				]	
		1					
		Submit					
IP address	Name	Accessible	SOA found	AA bit	Zones	SOA serial	
			Touna	set	materi		
202.12.29.25	ns1.apnic.net	Yes	Yes	set Yes	Yes	3006114392	
202.12.29.25 Result	ns1.apnic.net	Yes	Yes	set Yes	Yes	3006114392	



