



IP Address & BGP Request Form

Business Automation Technologies d/b/a Data Network Solutions conforms to the North American IP Registry (ARIN) policies regarding IP address allocation. As part of its standard service, DNS will assign only the amount of IP addresses that a customer can sufficiently justify for use on their local area network (LAN).

DNS requires a completion of this form for all IP address blocks. This policy is required to demonstrate to ARIN that IP addresses allocated to DNS are being utilized efficiently.

Per ARIN's guidelines, organizations will be assigned address space based on immediate utilization plus six months. Organizations must exhibit a high confidence level in their initial and six month utilization and supply documentation to justify the level of confidence. If you have any questions about the IP assignment policy or process, please refer to ARIN's Address Assignment Policy and Procedures (<https://www.arin.net/policy/nrpm.htm> section 4.2.3), and RFC 2050 (<http://www.faqs.org/rfcs/rfc2050.html>).

If you are requesting a /24 of address space for use with BGP, one of the DNS affiliate(s) must be the primary connection, and as such must have no AS-Path padding or local preference setting which may prefer any other path.

In order for DNS to fulfill ARIN's requirements, we need to collect from our users/customers network engineering plans inclusive of subnets, host counts, and hosts per subnet. DNS reserves the right to perform network scans across its customer's allocations to verify compliance.

ARIN has received its last allocation of IPv4 address space, and is working under more restrictive guidelines than historically imposed. Consistent with those restrictions, DNS is using targets of 25% utilization at service turn up, and 50% at six (6) months. DNS explicitly reserves the right to recall any public space not used after the initial six (6) months of the applicable term of any service provided to its customer(s).

Directions: Please complete this form to the best of your ability. Feel free to contact your Sales Engineer with any questions you may have.



0. General Information:

Customer Name	
Location Name	
Street Address	
Room/Suite/Floor	
City State ZIP	
ARIN ORG Handle (if available)	

The Technical contact will be our primary point of contact 24 hours per day x 7 days per week, which must be someone knowledgeable about your network.

Technical Contact	
ARIN Handle (if available)	
Name (Last, First)	
Email Address (if different from ARIN db)	
Direct Phone	

The Administrative contact will be the contact used if there are any non-technical issues regarding your IP service. If this is the same as the Technical contact, please put the word **SAME** in the line for Administrative Contact

Administrative Contact	
ARIN Handle (if available)	
Name (Last, First)	
Email Address (if different from ARIN db)	
Direct Phone	

Will the network be connected to:

- Router () (requires /31 link and routed subnet)
- Firewall () (subnet appears as though on a local router port)
- Switch () (subnet appears as though on a local router port)



1. Domain Information

- Do you need Data Network Solutions to host DNS name to address lookup for your domains? DNS will directly maintain your DNS files, with updates being requested via email to tech@dnetit.com. Please allow until the end of the next business day after submission for DNS updates to be processed.
 - No ()
 - Yes () If yes, please enter your domain information here. Please use a separate sheet, or attach a spreadsheet for more than three domains.

Domain Name	E-mail contact for domain	Comment/Note

- Do you have your own name-server for hosting reverse DNS? Data Network Solutions will directly maintain your DNS files, with updates being requested via email to tech@dnetit.com. Data Network Solutions will default to its standard reverse entry if no other requests are made via tech@dnetit.com
- - No ()
 - Yes () If yes, what is/are the host name(s) and IP(s) of your name server(s)? If you only list one name server, please note if you are using ANYCAST to hide multiple DNS servers. We assume compliance with RFC2137

Fully Qualified Doman Name	IP Address	Comment/Note

2. IP Address Space

- Do you currently have IP space?
 - No ()
 - Yes ()

If yes, were the addresses assigned by an existing service provider or directly allocated by a Regional Internet Registry such as ARIN/APNIC/LACNIC/AfriNIC/RIPE NCC.

- No ()
- Yes ()
- If you have existing IP address space are you planning on renumbering into DNS and or associated IP space? If you have multiple allocations, please note which allocation you will be returning after renumbering.



- o No ()
- o Yes () If yes, will you be able to complete your renumbering within three (3) months from date of service delivery?
 - No ()
 - Yes ()

Please list any allocated IP space at this location even if you are not planning on re-numbering your network.

Subnet/Prefix (w.x.y.z/xx)	Being Renumbered?	Date Allocated (MM/YYYY)	Allocated By	Globally Routable?

If Network Address Translation (see RFC2663) is not being used, an explanation why it cannot be implemented is required. Please add your explanation to the end of this document, or attach separate sheets if required. Care must be taken to ensure that the host and subnet estimates correspond to realistic requirements and are not based on administrative convenience.

Time Span	Number of Addresses Requested
At Service Turn Up	
Within six (6) months	

Use the following table to describe your initial current IP usage and where you will be in six (6) months. Please attach additional pages with specific host counts to justify all address blocks accordance with RFC 2050 Section 3.2.



Host Type/Use	In Use Now	Total after six months	Description
Totals:			

For example:

Host Type/Use	In Use Now	Total after six months	Description
Web Server	1	3	General Web Server – In DMZ
Mail Server	1	2	SMTP Server – in DMZ
Firewall	2	2	DMZ front end – VPN concentrator
Totals:			

In most cases, the common combination of a firewall/VPN concentrator, web server, incoming email server can all be accommodated in a /29 using common NAT technology where each individual server shares the same public IP address and uses address translation based on protocol and function.

2. BGP

For customers using BGP with DNS please fill out the companion Letter of Authority which will allow DNS and its partner networks to route your net blocks. We will only accept routing requests for network blocks which are either directly issued by one of the Regional Internet Registries, or have been registered via SWIP or RWHOIS to you as the end user.

- Do you intend to use BGP4 with DNS?
 - No ()
 - Yes ()
 - If yes, please provide your ASN: _____ DNS will accept both legacy 16 bit and new 32 bit Autonomous System Numbers (ASN)



- Please fill out the Letter Of Agency and send it to DNS on your letterhead and list the prefixes you want DNS to route for you.

If yes, please indicate which BGP routes you want.

- Full Internet ()
- Full Internet + Default ()
- Default Only ()
- DNS Customer Routes Only ()
- DNS Customer Routes + Default ()
- Other () Please Specify: ()

If yes, do you want MD5 hash authentication

- No ()
- Yes () Plain text key ()

DNS does not accept and will strip BGP communities. We will accommodate Local Preference changes on a request basis.

4. Signature

Customer, through its duly authorized representative, represents and warrants that the above information is true and correct. Customer further agrees and understands that Internet Protocol Version 4 address space is limited and that users of the Internet are responsible for conserving address space and ensuring that space is utilized efficiently, and Customer agrees that each DNS company reserves and shall have the right, without liability, to recall any space allocated to Customer not used after the initial six (6) months of the applicable term for the respective service(s).

Customer: _

Name (printed) Title (printed)

Signature Date



Data
Network
Solutions

106 Apple St. - Suite 103
Tinton Falls NJ, 07724
Ph. 800.649.6741 X 195
Fax. 732.747.3584
www.dnetit.com

For DNS Use Only	
Approved Date	
Approver	
Subnet Issued	
Issue Date	