



IP Address Request Form

Customer or Licensee Information

Licensee Name:	Chardan Capital Markets LLC
Technical Contact:	Kate Wainwright
Title:	
Licensee Address:	17 State St, 21st Floor, New York, NY 10004
ARIN ORG ID:	

Request Date:	0726/2023
Technical Contact Email:	kwainwright@forgeos.co
Phone Number:	
ARIN Tech. Handle:	

DDoS Defense Contact Information (*To be completed if ordering DDoS Defense)

Please provide two (2) contacts in your organization who can be reached 24 hours a day, 7 days a week, 365 days a year.

Primary Contact	
Full Name:	NA
Phone Number:	NA
Email Address:	NA

Secondary Contact	
Full Name:	NA
Phone Number:	NA
Email Address:	NA

Instructions

This form must be completed by the Licensee so that the Company can properly configure and activate the Product(s) hereunder. Please note that a new form must be completed by the Licensee and submitted to the Company each time the Licensee requests any modifications to IP address allocations, DDoS Defense, and/or BGP peering.

Crown Castle IPv4 Address Policy

Company conforms to the North American IP Registry (ARIN) policies regarding IP address assignments. As part of its standard delivery process, Company will only assign the amount of IP addresses that Licensee can sufficiently justify with this form for use on Licensee's local area network (LAN). Company reserves the right to perform network scans across Licensee's allocations to verify compliance. IP addresses assigned to the Licensee by Company are in conjunction with Licensee's Product hereunder. Upon termination of the Product, the assigned IP addresses must be returned to the Company. Company reserves the right to recall, without any liability to the Licensee, any public space not used in the fashion herein delineated. If you have any additional questions about the IP assignment policy or process, then please review ARIN's Address Assignment Policy and Procedures which can be found at <https://www.arin.net/policy/nrpn.html>.

Licensee MUST use 25% of the IP addresses requested on the day of installation, with a one-week grace period to cover equipment problems.

Licensee MUST use 50% of assigned addresses within six (6) months, or the addresses will be withdrawn.

Licensee MUST use 80% aggregate of assigned addresses before Company will issue any additional addresses. Proof of 80% aggregate utilization with detailed host break down or IP SWIP of existing space is required with the new request.

IP Address Space Requested

IPv4 Addresses Requested: Company will provide a maximum of one /24 equivalent space which can be discontinuous. Company will only provide a contiguous /24 subnet to multi-home with BGP under ARIN NRPM 2017.4 Section 4.2.3.6, Company must be the primary connection, and as such must have no AS-Path padding or local preference setting that would prefer another path. Licensee must also have its secondary provider confirm that they are providing Licensee with service and that the respective secondary provider is not providing Licensee with routable space, only link or WAN addresses. Licensee must work with ARIN directly for any requirements not otherwise stated herein.

Please Note: Any prefix /28 and larger will be statically routed over a directly connected /30 or /31

Cidr Size	Subnet Mask	Number of usable IPv4
/24	255.255.255.0	254
/25	255.255.255.128	126
/26	255.255.255.192	62
/27	255.255.255.224	30
/28	255.255.255.240	14
/29	255.255.255.248	6
/30	255.255.255.252	*1(1 of 2 IP addresses is allocated to Company WAN Router)

IPv6 Addresses Requested:

Licensee may request a /48 for each site in its network, and any sites that will be operational within twelve (12) months. A site is a discrete location that is part of a Licensee's network. A campus with multiple buildings may be considered as one or multiple sites, based on the implementation of its network infrastructure. For a campus to be considered as multiple sites, Licensee must submit reasonably detailed technical documentation to the Company describing how the network infrastructure is implemented in a manner equivalent to multiple sites.

Advertising IP Blocks not assigned by Crown Castle

Licensee shall provide Letter(s) of Authorization (each an "LOA") as required by the Company, in its sole discretion, for any IP blocks to be advertised through the Company Network. Licensee acknowledges and agrees that the Licensee may be required to submit multiple LOAs in the event such IP block was not allocated or assigned directly to the Licensee. Each LOA shall be on the respective entity's company letterhead providing such authorization. Company will withdraw advertisements for IP allocations revoked by the assigned owner of the respective IP block.

Please complete the form below

Current IP Address Allocation and Usage (List both IPv4 and IPv6 address space in use in Licensee's network from all sources)

Network	Assigned By	Date Assigned	% in Use	Being renumbered to Crown Castle?

IP Request Information			
	Block Size	Route Type	Description
IPv4 - WAN IP Block Size:	/29 (5 usable IPs for customer)	Direct	The WAN IP Block is for the connection from Licensee's router to the Company router
IPv4 - LAN IP Block Size:	Please Select <input type="button" value="v"/>	Please Select <input type="button" value="v"/>	The LAN IP Block for Licensee's network will either be statically routed to the WAN IP or announced by Licensee via BGP.
IPv6 - WAN IP Block Size:	Please Select	Direct	The WAN IP Block is for the connection from your router to the Company router
IPv6 - LAN IP Block Size:	Please Select	Please Select	The LAN IP Block for Licensee's network will either be statically routed to the WAN IP or announced by Licensee via BGP.

Based on the LAN IPv4 block selected above, please provide IP Justification for the amount of IPs that are being requested.
This is required for IPv4 requests larger than the default /30 allocation.

IP Addresses Required	Description (Routers, Firewalls, Servers, etc. Including host counts in each)
/29	Router/ Firewall

For Private BGP Peering, please write in Private in the AS Number Line. Licensee will only be able to peer with the Company under Private BGP Peering. A Private AS number will be provided.

BGP Request Information	
AS Number:	
If Multihomed, please list AS's you are connected to:	
Requested Advertisement:	Please Select
MD5 Key (Plain text) if Desired:	

Please review the IP Address LOA Policy above.

Routes to be Advertised to Crown Castle

Additional Remarks

Licensee represents and warrants that the above information is true and correct. Licensee agrees and understands that Internet Protocol Version 4 (IPv4) address space is limited and that users of the Internet are responsible for conserving address space and ensuring that address space is utilized efficiently. Licensee acknowledges and agrees that the Company reserves the right, without any liability to the Licensee, to recall any address space allocated to the Licensee not used after the initial six (6) months of the applicable term for the respective Product(s) hereunder.

Adriaan Klaassen

CTO

Name

Title

DocuSigned by:

Adriaan Klaassen

7/28/2023

Licensee Signature

Date