

Bigleaf Networks Application

IP Address /27+ Request — LAN Route

Use this form to request a LAN Route: a block of publicly routable IP addresses routed to a customer device via a Bigleaf IP address. An existing LAN Network assigned to the site is required.

Bigleaf Networks is required by the American Registry for Internet Numbers (ARIN) to maintain records of customers' planned usage of IP addresses and apply a utilization efficiency criterion when evaluating requests. Organizations considering the use of static IP address assignment are expected to investigate and implement dynamic assignment technologies whenever possible.

A Customer Info

End User Company Name

Site Name

Partner Name (If different from End User Company Name)

Deployment Timeline

B Request Type

New Site
(Complete Section C)

Return and Add IP Block
(Complete Sections C and D)

Retain and Add IP Block
(Complete Sections C and E)

C New IP Block Request

Complete this section for the new IP Block you are requesting.

1 IP Block Requested

Requested IP Block Size: /27 /26

2 Planned Usage for New IP Block

List quantity of IPs and the technical use case(s) for new IPs requested.

ARIN requires demonstrating 50% utilization for new blocks.

IP Block	Usable IPs	50% of IPs
/27	32	16
/26	64	32

Quantity of IPs	Usage
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Example	
Qty of IPs	Usage
3	Firewall
2	VoIP
2	Point of Sale
2	Security Cameras

Attach another sheet if you need more space to list the use cases of the new IPs you are requesting.

3 Describe the site or customer environment

Example: A branch office supporting ~25 employees with some onsite hosted applications.

4 Is the site or customer environment single tenancy or multi-tenancy?

Multi-tenancy is defined as services and infrastructure hosted at the site and shared among two or more customers (tenants) at the same time.

Single Tenancy

Multi-Tenancy

5 For each technical use case defined in section C.3. with a quantity of 4 IPs or more, provide the technical reasons why public IPs may be necessary.

Reasons such as administrative convenience or past historical decisions do not qualify as technical reasons.

6 Do you expect to submit IP requests with similar planned IP usage for future Bigleaf sites? If so, how many?

7 Any additional information you would like to add?

D Returning Existing IP Block(s)

Complete this section and section C if you are returning existing Bigleaf IP block(s) and requesting a new, larger block.

1 Bigleaf Site ID

View the site in the Bigleaf Cloud Connect dashboard and inspect the URL.
For example, the site ID is 1234 for <https://app.bigleaf.net/new/site/1234/dashboard/overview>.

2 Return Existing IP Block(s)

List the Bigleaf IP blocks currently assigned to this site that you are returning.

IP Block 1
IP Block 2
IP Block 3

E Retaining Existing IP Block(s)

Complete this section and section C if you are retaining your existing Bigleaf IP block(s) and requesting additional blocks.

1 Bigleaf Site ID

View the site in the Bigleaf Cloud Connect dashboard and inspect the URL.
For example, the site ID is 1234 for <https://app.bigleaf.net/new/site/1234/dashboard/overview>.

2 Planned Usage of Retained IP Block

List blocks assigned to existing site by listing quantity of **retained IPs** and current technical use case.

ARIN requires demonstrating 80% utilization of existing blocks to apply for additional blocks.

Example	
Qty of IPs	Usage
3	Firewall
2	VoIP
2	Point of Sale
2	Security Cameras

Essential Service (LAN Network)			Premier Service (LAN Network)		
IP Block	Usable IPs	80% of IPs	IP Block	Usable IPs	80% of IPs
/29	5	4	/29	3	3
/28	13	11	/28	11	9
/27	29	24	/27	27	22
/26	61	49	/26	59	48
/25	122	98	/25	120	96
/24	253	203	/24	251	201

Essential Service (LAN Route)			Premier Service (LAN Route)		
IP Block	Usable IPs	80% of IPs	IP Block	Usable IPs	80% of IPs
/29	8	7	/29	8	7
/28	16	13	/28	16	13
/27	32	26	/27	32	26
/26	64	52	/26	64	52
/25	128	100	/25	128	100
/24	256	205	/24	256	205

Quantity of IPs	Usage
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Attach another sheet if you need more space to list the IPs you are retaining and their use cases.

Please send completed form to se@bigleaf.net