Bigleaf Networks Application
Public IP Block

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)
- ○ Retain, Return, and Add IP Block (Complete ALL Sections)

C New IP Block Request

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

1 IP Block Requested

Requested IP Block Size: ○ /30 ○ /29 ○ /28 ○ /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.

Essential Service (LAN Network)			High-Availability Service (LAN Network)		
IP Block	Usable IPs	50% of IPs	IP Block	Usable IPs	50% of IPs
/30	1	1			
/29	5	3	/29	3	2
/28	13	7	/28	11	6
/27	29	15	/27	27	14
/26	61	31	/26	59	30

Quantity of IPs	Usage	Justification
List the quantity of IPs requested.	*List the technical use case(s) for the new IPs.*	*Clearly explain the technical requirements that cannot be met by using a private or shared IP address, and why. Provide details specific to your actual infrastructure.*
EXAMPLE		
2	Web Servers	One is on a load balancer in front of our customer portal and other web services, which customers reach from the internet. The same IP serves multiple services, each with its own hostname or DNS record. The other is a DMZ, separate from our internal network, for a partner API that partners call from outside.

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

For further details on Bigleaf's IP Justification requirements, please visit our Help Center.

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.

Essential Service (LAN Network)		
IP Block	Usable IPs	80% of IPs
/30	1	1
/29	5	4
/28	13	11
/27	29	24
/26	61	49
/25	125	100
/24	253	203

High-Availability Service (LAN Network)		
IP Block	Usable IPs	80% of IPs
N/A		
/29	3	3
/28	11	9
/27	27	22
/26	59	48
/25	123	99
/24	251	201

Essential Service (LAN Route)		
IP Block	Usable IPs	80% of IPs
/30	4	4
/29	8	7
/28	16	13
/27	32	26
/26	64	52
/25	128	103
/24	256	205

High-Availability Service (LAN Route)		
IP Block	Usable IPs	80% of IPs
/30	4	4
/29	8	7
/28	16	13
/27	32	26
/26	64	52
/25	128	103
/24	256	205

Fill in detail about the Bigleaf IP block(s) you are retaining on the following page.

For further details on Bigleaf's IP Justification requirements, please visit our Help Center.
Please send completed form to se@bigleaf.net

2 (Cont.) 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.

Quantity of IPs	Usage	Justification
List the quantity of IPs requested	*List the technical use case(s) for th new IPs*	*Clearly explain the technical requirements that cannot be met by using a private or shared IP address, and why. Provide details specific to your actual infrastructure.*
EXAMPLE		
2	Web Servers	One is on a load balancer in front of our customer portal and other web services, which customers reach from the internet. The same IP serves multiple services, each with its own hostname or DNS record. The other is a DMZ, separate from our internal network, for a partner API that partners call from outside.

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

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Please send completed form to se@bigleaf.net