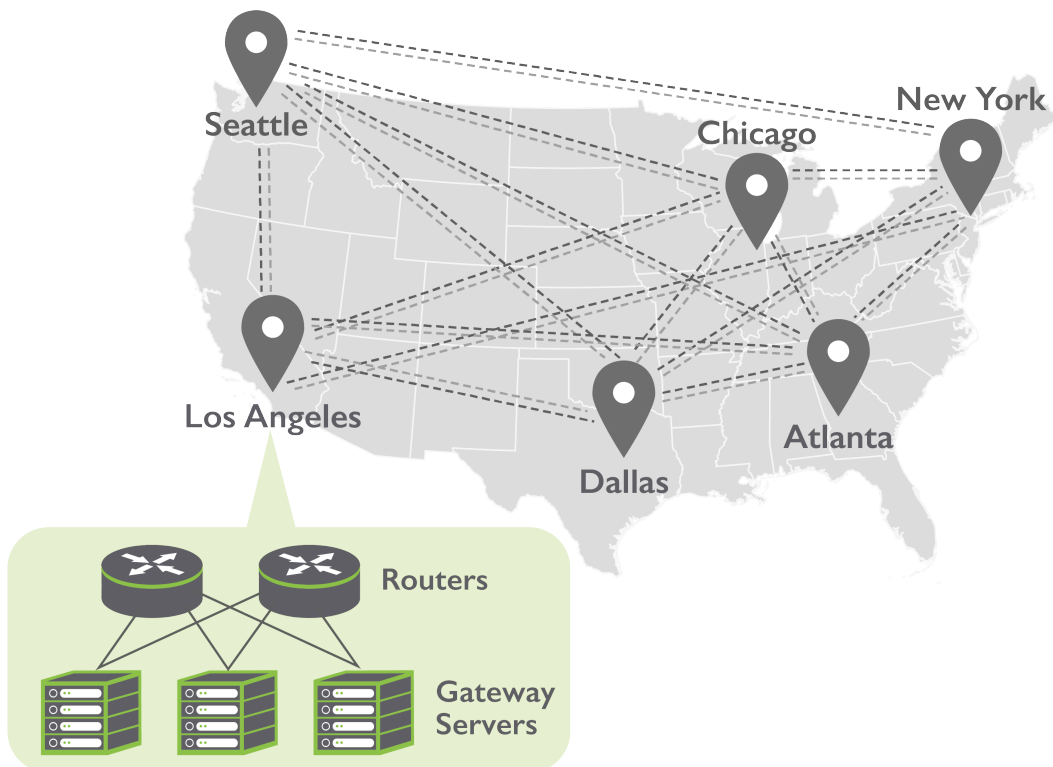


Site-to-Cloud Architecture

The foundation of your Cloud experience

Bigleaf's Cloud-Access Network is a purpose-built IP network that we own and operate. Our carrier-grade routers connect to peering at major internet exchanges or "hubs", dedicated private backbone paths, and multiple upstream transit circuits.

This platform is built specifically to deliver SD-WAN service, so it doesn't suffer from the compromises in network architecture and management required of other networks. For example, telecom networks also run MPLS, which adds complexity and more risk of bugs and outages; and content based networks are optimized for serving high-volume data in one direction rather than business-critical applications like VoIP.



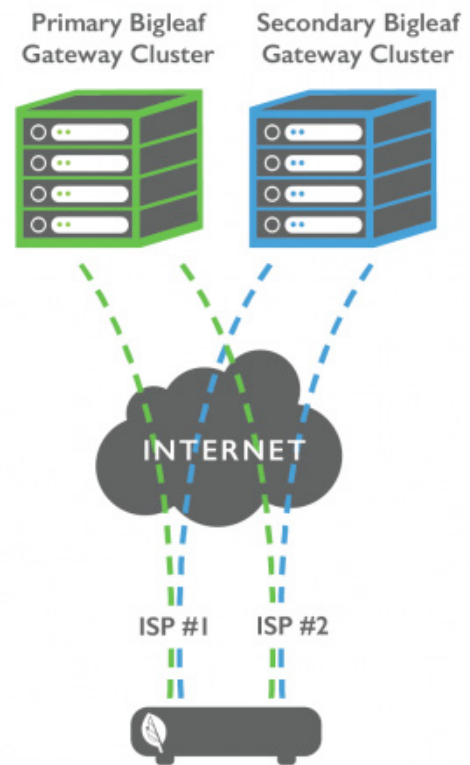
How is it architected?

Fully Redundant to Prevent Outages

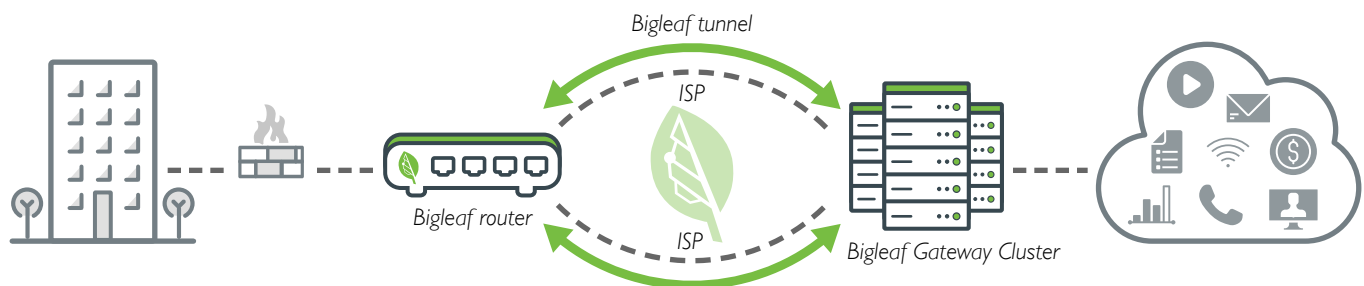
Bigleaf's network is fully redundant, with multiple core routers, servers, internet transit circuits, and core backbone circuits. All of our POPs connect across our dedicated backbone, so traffic between Bigleaf customer sites never hits the open internet unprotected. Beyond the core network, each Bigleaf customer-premises router connects to multiple Bigleaf POPs at all times, for automatic geographic redundancy. Our philosophy is that any datacenter can fail (e.g. due to fire), so customers shouldn't experience outages when that happens.

Peering

We peer with over 150 different cloud, content, and carrier networks. Each of our network points of presence (POPs) connects to the major peering exchange in each region, and we select our POP datacenter locations because they have the best peering available.



BIGLEAF'S SITE-TO-CLOUD ARCHITECTURE



The Bigleaf router installs outside the firewall, prioritizing application traffic in and out of the customer's LAN

Multiple broadband circuits are tunneled together as one pathway, providing bidirectional control and visibility of all traffic

Bigleaf's Gateway Cluster connects this streamlined Enterprise-grade connection to any Cloud application

How does it help?

Traffic Control & Session Quality

Our network is what makes Bigleaf possible. Without this network, SD-WAN has very limited functionality for cloud- and internet-based applications. With Bigleaf's Cloud Access Network, VoIP calls, virtual desktop sessions, credit card payments, and all other applications gain the benefits of our Same-IP Failover and Dynamic QoS. This means calls stay clear, virtual desktop is snappy, credit card payments are quick, and no sessions drop.

Immediate Optimization and Support

Because we own the routers and control the network, our support engineers can optimize application performance in real time. Unlike cloud-hosted SD-WAN platforms, we don't have to open tickets with third-party providers to make network changes. We take ownership of customer issues rather than pointing fingers at others.

Can Bigleaf be trusted with sensitive traffic?

As you think about our Cloud Access Network and how it relates to the routing of your applications, you probably realize the trust you are placing in us. We take that responsibility very seriously. Our charge is not just to build a network reliable enough to meet your needs, but rather to exceed your expectations.

The reliability of our network is a byproduct of purpose-built design and operation. Beyond the equipment, we have a seasoned team of professionals dedicated to protecting your experience. Our software and network are built to work in harmony – the network was designed to support the software and the software was built to augment the network. This provides higher availability than other solutions that mash together telco networks with generic SD-WAN software.

Where's the proof that it works?

We pride ourselves in the transparency that we provide to our customers. If you would like to review the reliability, performance, and maintenance of our Cloud Access Network, feel free to check out **status.bigleaf.net**. Here you can look into both real-time performance of the network, as well as review past incident reports and maintenance overviews.

About Bigleaf Networks

Bigleaf provides a software-defined WAN solution built with a Cloud Access Network that enables you to ensure performant uptime for any Cloud-based technologies across all sites and users. Unlike policy-based solutions, Bigleaf auto-detects application needs and network conditions and intelligently adapts traffic in real time. With Bigleaf, you can easily provide Enterprise-grade connectivity for all of your Cloud applications, improve visibility into your internet usage, and simplify your network.