

# Bigleaf Solves Internet Problems.

We enable seamless integration of multiple ISPs with varying quality and bandwidth. Our system is simple to implement and will enhance your Internet performance and uptime. Bigleaf is dedicated to providing powerful technology with friendly support and simple interfaces.

Bigleaf uses Software-Defined Networking (SDN) and a distributed architecture to manage traffic in real-time across your multiple Internet connections.

- Works with any Internet provider
- Actively solves Internet problems
- Built-in monitoring and alerting

## Bigleaf's Key Features



### Intelligent Load Balancing

Monitors circuit conditions, adapting load balancing in real-time to match application traffic needs to circuit performance.



### Dynamic QoS

Prioritizes VoIP and other real-time traffic across commodity Internet connections, even with varying bandwidth.



### Same IP Address Failover

The benefits of BGP without the hassle and cost. All applications (even VoIP) stay connected when a circuit fails.

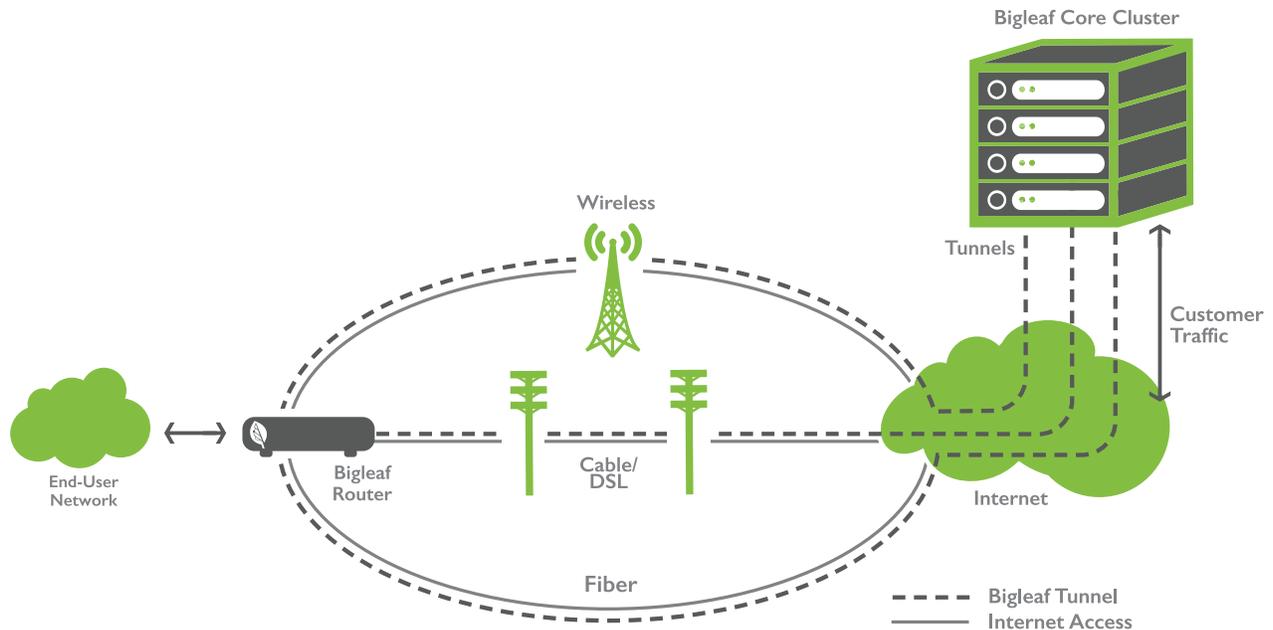


### Plug-and-Play Provisioning

Simple setup and service changes, no complex configuration required.

# How Bigleaf Works

Bigleaf's service distributes monitoring and control across both our core server clusters in the cloud and our router in your building. We encapsulate your traffic within tunnels that connect from our on-premise router, running across multiple ISP paths, to our core network. These tunnels efficiently and reliably move your traffic to and from the Internet, while providing our adaptation system with end-to-end visibility and control of each circuit. The Bigleaf monitoring system constantly measures circuit performance in both directions, evaluates traffic flows from your applications, and adapts to changing conditions in real-time based on algorithms and alarm thresholds.



## Core Redundancy

Bigleaf's infrastructure is designed to provide SLA-backed services for mission-critical traffic. We know you're trusting us to provide a very high level of reliability. Our core network has full redundancy for all hardware and graceful failure adaptation built in to our software. We also set up multiple redundant tunnels across each of your ISP circuits to ensure quick failover in the event of a core hardware or data center issue. We have multiple data centers throughout the United States to provide geographic redundancy, and diverse backbone and peering connections to the Internet.

## Quality & Continuous VoIP

Bigleaf enables quality VoIP calls across commodity Internet connections. We prioritize traffic using our proprietary Dynamic QoS system, automatically detecting and adapting to changing circuit bandwidth and quality.

When one of your Internet circuits experiences issues such as packet loss, latency, jitter, congestion, or an outage, your VoIP call is moved to a higher-quality circuit in real-time. Because we handle public IP addressing in our cloud, real-time applications aren't interrupted during circuit outages.

# About Bigleaf

Bigleaf Networks improves Internet performance and enables peace of mind. We are telecommunications professionals who built our cloud-based optimization and redundancy service based on the natural architecture of leaves. We are dedicated to providing a better Internet experience with simple implementation, friendly support and powerful technology. Founded in 2013, Bigleaf Networks is investor-backed, offering nationwide service.

