



Bonded Internet™

Increase your connection speed, redundancy and reliability with MultApplied Networks proprietary Bonded Internet technology.

At MultApplied Networks...

Bonded Internet improves network resilience and performance by bonding the bandwidth of multiple connections. The system splits the data from each application into its smallest possible component and spreads it across your bonded lines to maximize speed. Bonded Internet also uses supplementary features that provide additional enhancements to performance, resiliency, and packet integrity.

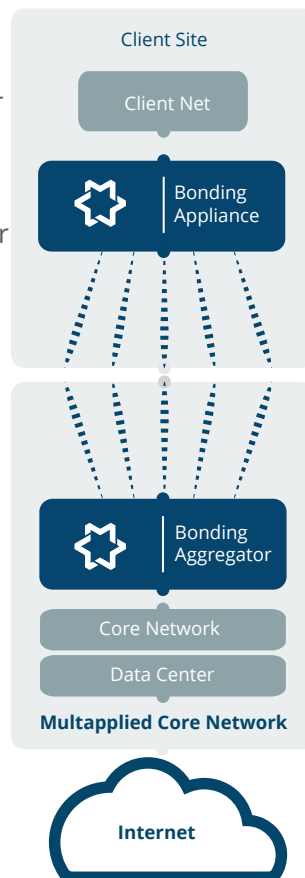
Who is MultApplied Networks?

MultApplied Networks provides cost-effective solutions for businesses seeking to integrate voice, video, and wired / wireless data networks. We specialize in end-to-end solutions that allow our customers greater flexibility and functionality in the way they communicate.



More bandwidth, greater reliability, improved quality, and lower costs.

A better Internet service.



Bonded Internet Features:

- ✓ **Multi-Line Architecture:**
Create a single-IP connection out of many lines to protect your network against the impact of a service provider outage.
- ✓ **Per Packet Load Balancing:**
Intelligent packet-level distribution ensures application sessions are not dependent on the uptime of a single connection.
- ✓ **(n+1) Line Flexibility:**
Adaptively increase network bandwidth by layering on additional lines, so the network scales to meet your business needs.
- ✓ **Same-IP Failover:**
Each bonding appliance maintains its own public IP address in the event of a failover. No more DNS round-robin time-delays.
- ✓ **3rd Party Back-Up Support:**
Manages the failover of your bond to a supplemental connection (usually 3G/4G/LTE) for ultra-resilient networks.
- ✓ **Turbo Data Acceleration:**
Additional performance enhancement can be achieved by applying data acceleration to compressible data travelling over the bond.
- ✓ **Quality of Service:**
Assigns unlimited priority layers inside the bond to ensure consistent delivery of important data from VoIP and other real-time applications.

Contact

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How Bonded Internet Works

Next-Generation Bonding

MultApplied Networks Bonded Internet takes diverse Internet lines from any number of providers and combines them to create a single, faster pipe for your network.

The sum is truly greater than its parts.

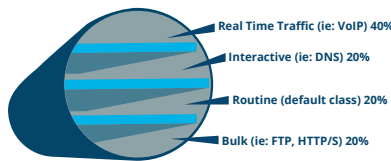
The technology advances traditional bonding by introducing sum-total aggregation of upload and download bandwidth. Under a single-IP address, the bonded pipe allows all traffic to make use of all of the available bandwidth at any time.

End-to-End Quality of Service (QoS)

We're pretty excited about our QoS. Not only is our QoS model completely customizable but it is also dynamic, so that priority in bandwidth fluctuates to accommodate changing volumes of sessions.

**Need to make a lot of VoIP calls?
Sorry, cat videos - you have to wait!**

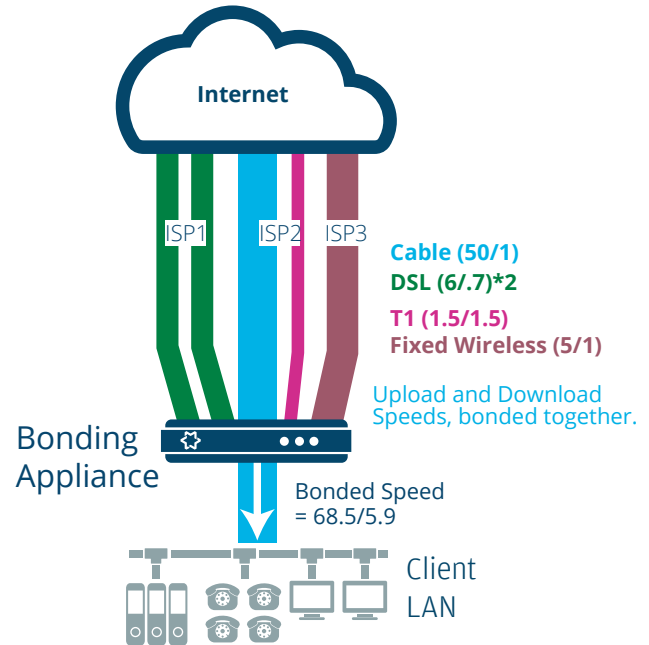
Through the QoS module, you can manage data flows according to the QoS profile you assign at configuration. But you don't have to assign a new profile for each node - simply build a default profile and fine-tune if need-be. The QoS module will automatically relegate or promote traffic based on specific expedited-forwarding markings and other criteria.



Bonded Data 'Tunnel'
with QoS (standard configuration)

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Same IP Failover

The single, bonded pipe is given an IP address that is static and whose routing is managed by the aggregation server located inside our core network. Thus, if a single connection fails, the customer.com IP address does not change - the bandwidth of the failed connection is lost but the IP remains unchanged.

No need for DNS hacks

The bonding service creates a virtual pipe through which all data travels. Fail-over and Fail-back are completely managed by the software, making it the most advanced multi-line protocol we've ever seen.

**The next generation
of internet
accessibility and
reliability is here.**

