How to Inexpensively Increase Internet Bandwidth by Bonding Low Cost Coax Cable and DSL Circuits

A BusinessPhoneNews.com Whitepaper, August 2012

Dan **B**aldwin: Today I'm speaking with Adil Zaidi, Operations Manager of Bandwave Systems, a nationwide business broadband provider that integrates and aggregates all carriers and cable operators and technologies (DSL, T-1, Cable, Fiber Ethernet, Wireless) so that businesses with multiple locations are provided a complete nationwide network solution with just a single point of contact. Adil thanks for speaking with our audience today.

Adil, many telecom companies have long told business customers that low cost "best effort" bandwidth services like DSL or coax cable were "residential grade" products that where not comparable in quality to higher cost T-1 level solutions and above.

Question #1: What is Bandwidth System's experience with having your business customers successfully use DSL and cable for business solutions?

Well Dan, we've actually had a lot of success with our customers using DSL and cable for business solutions. T1 technology is a high cost, low speed product. We're able to bring in a 10meg by 1meg next gen DSL or a 50meg by 10meg cable circuit for under 200 dollars per month. We have metrics on both DSL and cable and we see two solid reliable products that have low latency and high bandwidth for the fraction of the cost of a T1 circuit.

Question #2: Please give us a brief history of circuit bonding, how and when did it all get started?

We explored circuit bonding after seeing how businesses are looking for high bandwidth, low cost circuits to run all functionality within their organization such as Voice Over IP, mail servers, and general daily web browsing. Bonding T1's in order to achieve this isn't very cost effective the way DSL and cable are. Not only are you getting circuit bonding which will increase your download and upload speed, but you are also getting carrier redundancy which is very important when you have voice and data traffic going over your circuit.

Question #3: How are circuits bonded, what equipment is involved, what vendors are involved and what are the limitations?

We recommend diverse carriers where available. We would bring in – say a cable connection and a DSL rather than two cable connections which would provides true redundancy and less failure points on the Wide Area Network side. We have several options when it comes to the type of equipment we use to bond the clients circuits. Our primary goal is to have a tech consultation with the client to figure out their concerns and limitations before we determine the type of equipment we will be using. We factor in several variables before making our recommendation. Basically - we want the client to tell us what they need, and we'll figure out how to deliver the desired end result to them.

Question #4: How does bonding different "best effort" circuits together create a low-cost synergy?

The limitation of bonding a T1 circuit is that you have the same failure points, such as an outage at the central office, a bad smart jack – even a faulty router. When you bond diverse pathways together such as DSL and cable or cable and 3g/4g wireless, you have true redundancy with less failure points and a low monthly cost. As you know, Bandwave Systems has a national footprint servicing all cable providers such as Comcast, Time Warner, Cable Vision, Charter, Cox Communications, and Brighthouse to name a few – so we can provide cable internet service to any qualifying address in the US.

Question #5: What are the parameters that a business should consider when interviewing prospective "bandwidth bonding" solution partners like Bandwave Systems?

Our goal is to make it easy for the client. We recommend a custom solution that will fit their needs, deliver the internet services, as well as the bonding appliance. Everything is provided on one contract, one bill and one 24 by 7 technical support.

Learn More from a Bandwave Authorized Agent

To learn if Bandwave's coax cable aggregation management solutions can help you inexpensively increase your Internet bandwidth, please contact your local Bandwave Systems authorized agent. To find an authorized agent visit BandwaveSystems.com.