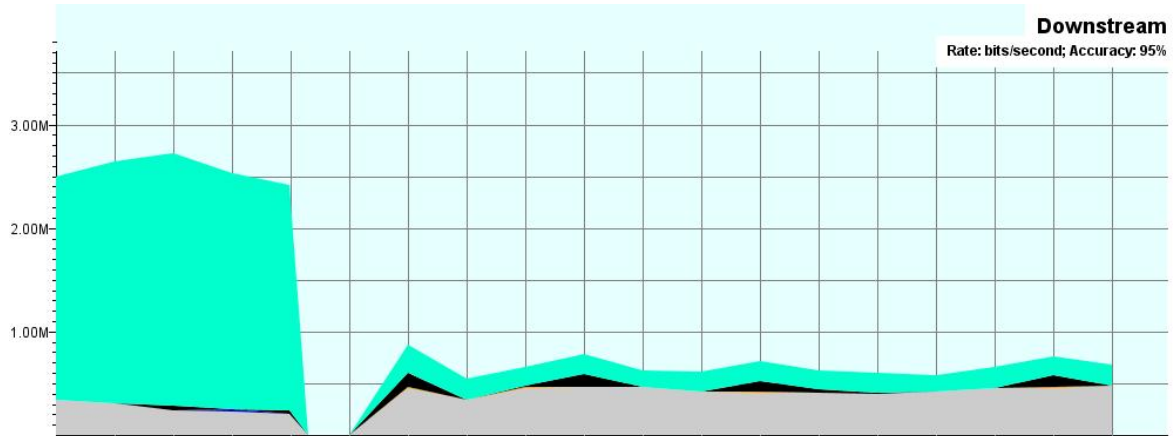
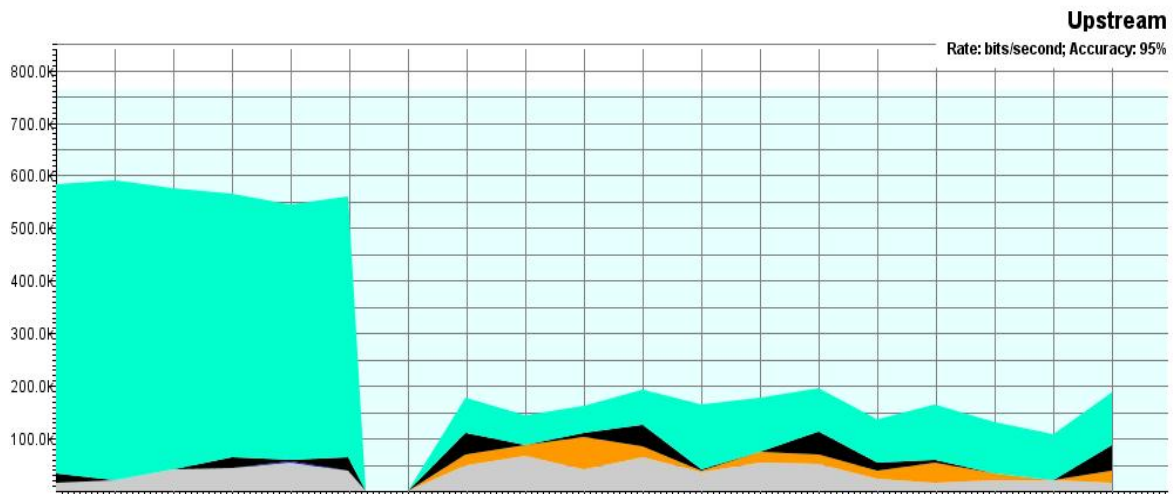


Dbam - Packet Shaping

The following document shows the affects of a rogue Peer2Peer application (such as Limewire, Napster or Bittorrent) on a business network that relies on the internet to deliver services/applications to remote sites.

The graphs below are a direct export of the upstream and downstream usage of our ADSL Max service during the testing period. The Cyan colour indicates Peer2Peer traffic, Black is General Web, Orange is Terminal Services and Grey is uncategorized traffic such as Dbam Management, DNS, Etc, etc.



As you can clearly see, for the first 4 or 5 blocks of testing the upload speed in use was maxing out at around 600kb and the download speed at 2.7mb – the maximum speed of our ADSL Max service.

The result of this rogue Peer2Peer application is a total saturation of the available bandwidth and denial of service to legitimate business applications. The consequence would be that applications such as Terminal Services, Citrix or other bandwidth critical applications would be severely affected by the rogue application.

By deploying and enabling traffic shaping on the Dbam, the available bandwidth to the rogue application was immediately restricted to a manageable level (as shown above) and hence legitimate applications such as Terminal Services would no longer be affected.

With the Dbam range of products, all services and applications can be easily categorised and allocated a guaranteed percentage bandwidth allowing business critical applications an advanced Quality of Service and access to the bandwidth as and when needed.

In addition to the **guaranteed bandwidth**, applications can also be allocated a borrow limit which means that if a user wants to use a Peer2Peer service then they can, but not at the expense of legitimate applications. If all of the guaranteed bandwidth is in use then no borrow facilities are available however, if Terminal Services is not using its percentage allocation then the Peer2Peer service can borrow up to its pre-defined allocated amount.

Of course, if required the Dbam can easily be configured to block all traffic flow of Peer2Peer applications.

For further information or a demo please contact:-

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