

Accelerating Lakeview's MIMIX Over the WAN

- **Nonstop business continuity reliably over the toughest WANs**
- **Reduce throughput requirements and shorten transfer times over the WAN**
- **MIMIX real-time data sharing even on shared links**

Compass enhances MIMIX with:

- Average acceleration improvements between 800% and 1,000%
- High Availability traffic accelerated between 700% and 3,000%
- Both Journal and Data Replication accelerated between 600% and 3,000%
- QoS for real-time data sharing on shared links
- Transparency to simplify infrastructure integration

The Mandate

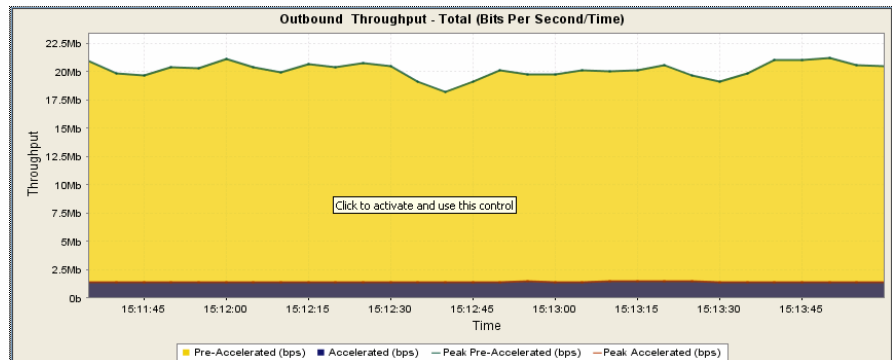
As businesses compete at an unprecedented global scale, commercial success and agility require continuous access to the applications and data. The expanding economy also means this data is located in multiple locations. Without access to the data, business is all but paralyzed, business processes slow down, and productivity grinds to a halt. Fortunately, Lakeview's MIMIX provides a robust and comprehensive solution for high availability and data protection and recovery.

The Challenge

As data replication is conducted to remote locations, the hostile environment of the WAN works against performance. For example, the high costs of these networks often make it cost prohibitive to maintain

a dedicated network for data replication. However, enabling MIMIX's continuous data protection (CDP) to allow real-time data sharing may mean that other business-critical applications are stepped on in the name of data replication – not acceptable in the bandwidth constrained WAN environment.

Next, even though MIMIX will save significant bandwidth by only transferring updated or modified blocks from files or data, sometimes even that subset of data can be significant and overwhelm the WAN's available resources. Even worse, many WAN Optimization solutions that rely heavily on caching technology will have no benefit here as all of the traffic will be new (no chance for caching to help performance). This could leave networks in desperate circumstances.



MIMIX traffic can benefit with an average throughput improvement to over 20 Mbps on a 1.5 Mbps link.

The Solution

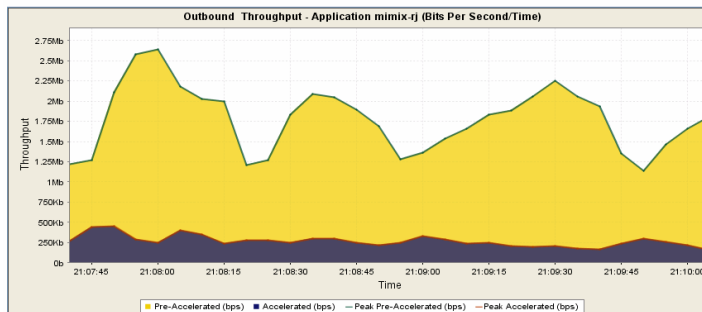
Fortunately, when combined with Expand's Compass platform, the performance hindering WAN can be made to behave like the LAN. In fact, recognizing the challenges of the WAN and the complete solution offered by Compass, Lakeview sold their own Network1 WAN Optimization solution, an OEM of Compass technology, for several years. Using advanced predictive compression algorithms that are lossless, Compass is able to reduce MIMIX's traffic footprint on the WAN – even when all of the traffic is from MIMIX's bandwidth saving features. In fact, on average, Compass will accelerate traffic by more than 800% while fully utilizing the link.

Instant access to mission-critical data, from any location or during a disaster, means that data sharing must be in real-time. With Compass' QoS, real-time data sharing can occur over WAN links shared by other applications without hindering their

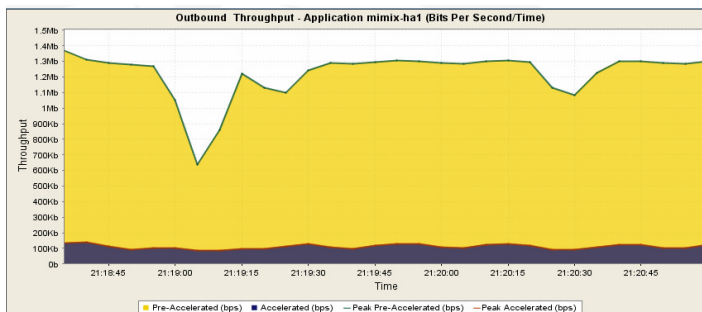
performance (or allowing their use of the network to impair MIMIX performance). Compass' QoS makes sure that the network understands what is important to the business, ensuring the right traffic gets the right amount of bandwidth at the right time.

Some WANs are particularly malicious with their performance robbing latency. In fact, some of these links are even difficult to fully utilize. However, with Compass' SCPS-based TCP acceleration, full utilization is possible and latency-caused slows downs become a thing of the past.

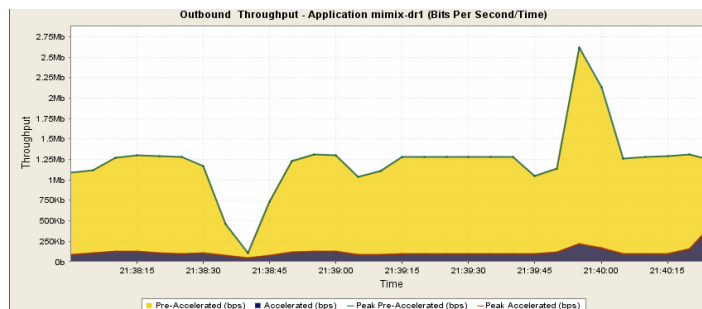
Combined with a MIMIX solution, Expand's Compass platform ensures that high availability and data protection activity for remote offices can be both reliable and effective. Working together, non-stop business continuity is enabled with this robust information availability solution.



MIMIX Journal Replication traffic sees Compass acceleration of at least 600% and up to 3,000%.



MIMIX High Availability traffic sees Compass acceleration of at least 700% and up to 3,000%.



MIMIX Data Replication traffic sees Compass acceleration of at least 600% and up to 3,000%.