

DATA EXPEDITION, INC.®

MTP™/IP APPLICATIONS

EXPEDAT™

A drop-in replacement for conventional FTP applications that delivers files with maximum reliability and performance. This low-profile application can be used with scripts and dynamic data sources to produce fully automated data exchanges faster and more reliably than FTP.

SYNCDAT™

A high-performance file replication and synchronization application capable of rapidly scanning and synchronizing hundreds of thousands of files across the WAN. Overcomes the latency and congestion problems created by slow CIFS and rsync solutions.

DEVELOPMENT KITS

C-language APIs allow you to integrate this highly efficient transport layer directly into your application, providing scalable network services. The feature rich interface delivers control and ease of design.

Modern Solutions For Modern Networks

The Data Expedition, Inc. Difference

Data Expedition, Inc. provides software solutions for network performance and reliability. Our Multipurpose Transaction Protocol (MTP/IP) technology uses modern flow-control and error recovery to overcome the packet loss, congestion, and latency inefficiencies of TCP/IP. With better error-recovery and more sophisticated flow and congestion control, use of MTP/IP provides significant performance gains over TCP/IP and other legacy technologies. Our MTP/IP software solution sets Data Expedition, Inc. apart from the crowded market that pushes appliances and one-size fits all solutions using flavors of compression, caching, and TCP acceleration.

Enterprise networks are facing a growing problem with performance and reliability. Tasks such as data migration, remote file-sharing, multi-system synchronization, and web application deployment present challenges that can have a direct impact on an organization's efficiency and profitability. By addressing a network's inefficiencies, businesses can reduce or eliminate latency and congestion delays, resulting in less time spent waiting and more time spent doing.

Data Expedition's lightweight and scalable MTP/IP applications are built on top of existing internet standards. This means implementation, deployment, and costs are easily controlled and managed within your existing IP networks and systems. Our solutions adapt to solve your challenges, while keeping you in control.

For example, at Motorola's *Advanced Product Technology Center (APTC)*, located in Plantation, Florida, engineers manage a network of high-performance computing facilities sited around the world. These design centers run data intensive simulation and modeling software to assist Motorola and its partners in the

development and testing of new technologies and products. With gigabytes in each typical data set, file transfer between end-users and the design centers is part of the product development critical path.

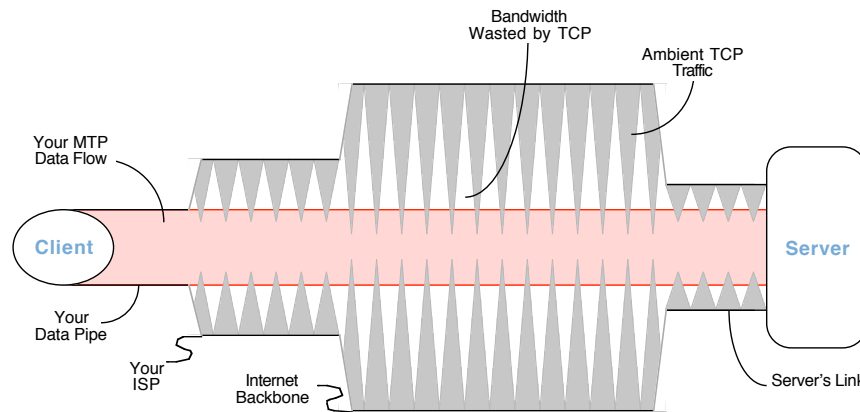
The problem faced by Motorola's engineers was that the 45 megabit per second leased network lines connecting the facilities were not living up to their performance potential. Users were spending hours each day waiting for data to move, time that could have been better spent on successive model runs.

That changed when Motorola's Commercial Government and Industrial Solutions Sector, parent of the APTC facility, purchased licenses of Data Expedition Inc.'s ExpeDat file transfer software for five of their global data centers. Based on MTP/IP, ExpeDat provided a drop-in replacement for Motorola's existing network of FTP servers and clients.

Engineers and users immediately observed a six times reduction in file transfer times. As ExpeDat has been deployed to Motorola facilities in the US, Europe, and Asia, end-users are spending one half to one sixth as much time waiting for their modeling data.

According to Motorola engineers, this is the equivalent of increasing their total system investment by 40%, at just a fraction of the cost. The speed and flexibility of MTP/IP allows benefits like this to be realized in a wide variety of scenarios.

Contact us or visit our website to learn more about how this unique technology can benefit your unique situation.



Patented Technology
MTP/IP SOFTWARE

By taking a conservative and informed approach to flow control, error recovery, and data modeling, MTP/IP achieves high performance without disrupting the network. It monitors network behavior to find the maximum sustainable data rate of the current path, and constantly adjusts as network conditions change from moment to moment.

Unlike some UDP products, MTP does adjust to third-party traffic. Failing to do so would only contribute to congestion, latency, and packet loss. MTP adapts to the network, taking advantage of underutilized resources while smoothing out the overall data flow.

Q&A

MTP/IP Frequently Asked Questions

Why is MTP faster than TCP?

TCP's design is over thirty-years old and it makes a lot of assumptions about the network that are now just plain wrong. As a result, TCP wastes a lot of time and bandwidth causing congestion and latency that it must then correct. MTP's modern design allows it to fully utilize the resources that TCP wastes.

Who benefits from MTP and how?

Anyone moving data across IP networks can benefit from MTP/IP. Users of MTP applications are able to move data faster, taking less time to complete their jobs. Network managers are achieving better performance without expensive upgrades. Software developers can integrate these benefits into their own products and take advantage of features and capabilities that used to be impossible.

Does MTP replace TCP?

No. Although MTP provides superior performance for the vast majority of applications and network conditions, the protocols can, and do, peacefully coexist. The same network, even the same application, can use both MTP and TCP at the same time.

Don't all your gains come at the expense of third party traffic?

No. While any new network traffic will impact existing traffic, kilobyte for kilobyte MTP has less of an effect on TCP data flow than TCP itself. Much of MTP's performance gains comes from its better utilization of otherwise wasted resources. MTP even has bandwidth management features built-in, giving you a variety of tools to control how resources are allocated.

What is needed to use MTP?

End users need an MTP enhanced application, such as ExpeDat or SyncDat. Developers can use the MTP Software Development Kits to enhance their own applications. Each MTP application programming interface is designed to provide easy access to the MTP technology for a variety of uses.

Does MTP work with standard networks and equipment?

Yes. MTP is built on top of existing internet standards and is already supported by IP networks.

Do I need to install any special hardware or drivers to use MTP?

No. MTP applications are entirely software based and do not require any drivers or system modifications.

Can I try MTP on my network?

Yes. Free trials of our products are available at DataExpedition.com.