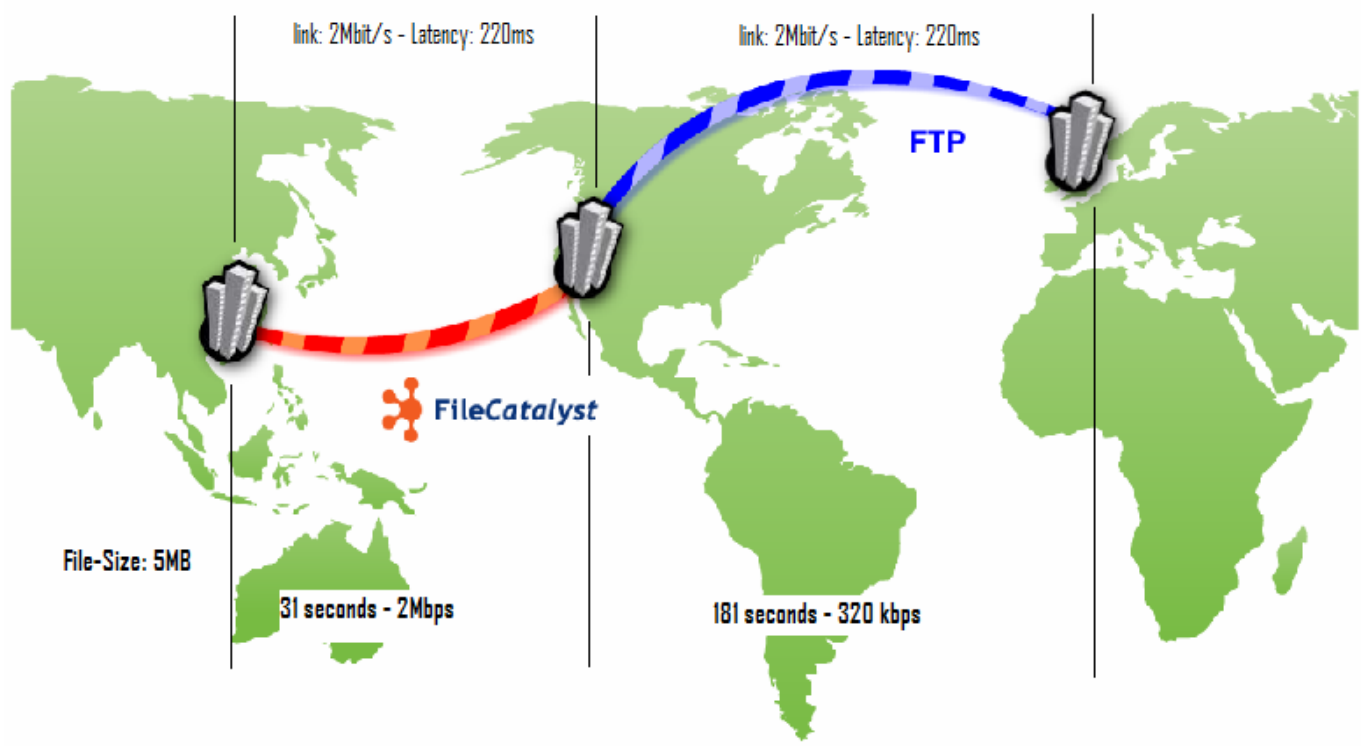
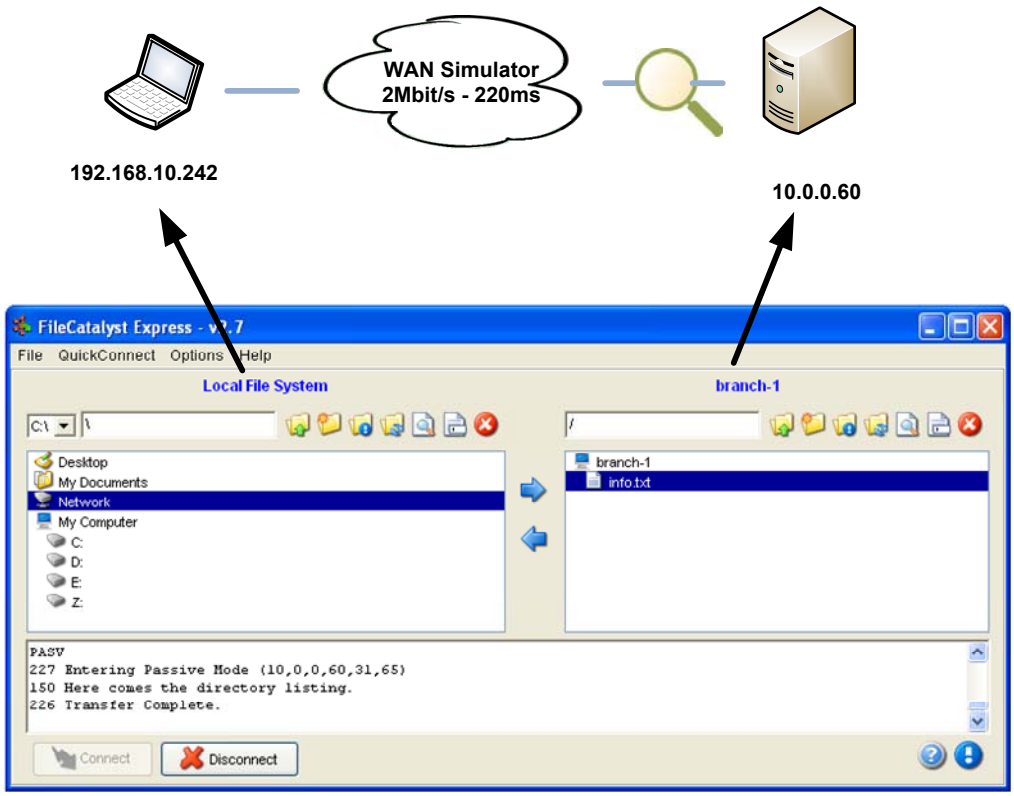
This document describes an alternative way to accelerate File Transfer over high latency links. File Catalyst offers currently (as of writing this document) following products:

FileCatalystExpress	Entry level product for accelerated file transfers Easy-to-use and simple to configure Optimizes network links up-to 45Mbps
FileCatalystDirect	Accelerated and Managed File Transfer Platform Features: Automation, Scheduling, Email Notifications, Reporting, monitoring and central administration Optimizes network links up-to 2Gbps
FileCatalystWebmail	Send files of any size to any email address Features: Web based access, reporting, user permissions and automatic file deletion Optional acceleration up-to 2Gbps
FileCatalystWebWorkflow	Web based workflow for online file submission Features: custom order forms, custom workflow and custom email notifications Optional acceleration up-to 2Gbps

For a simple test scenario I have used FileCatalystExpress to verify enhancements by accelerating file transfers over an high latency link.



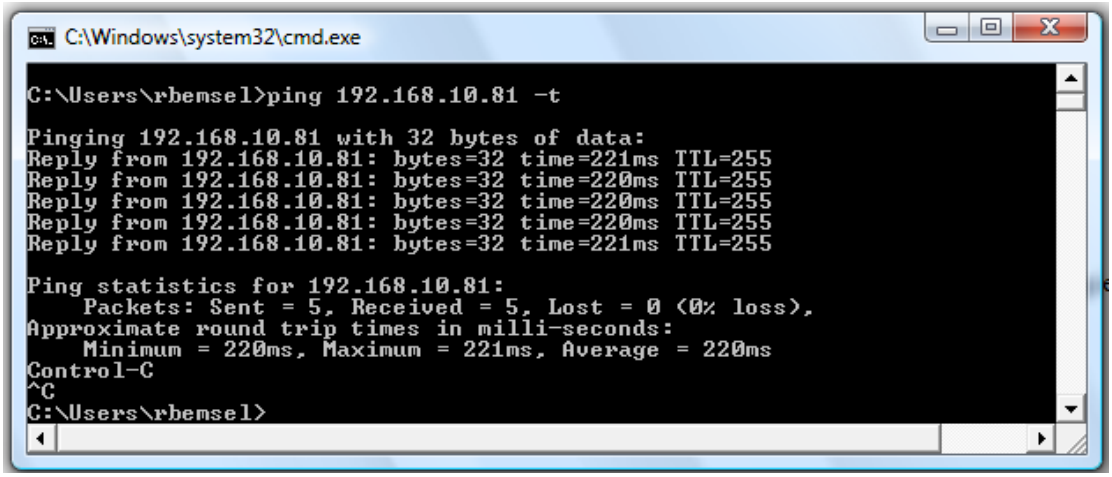
To rebuild this setup, you need FileCatalystExpress (Client & Server) and a WAN Simulator.
A monitoring Device is optional.



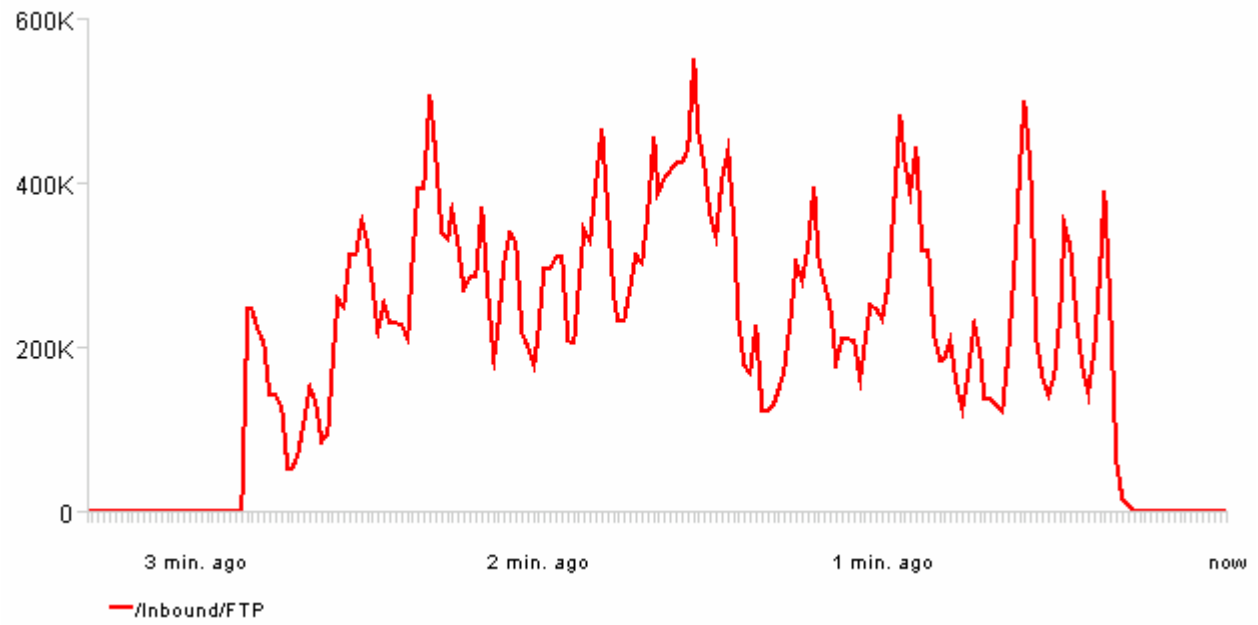
Some Benefits of FileCatalyst:

- On the fly compression
- Incremental transfer of file deltas
- 256-bit AES data encryption

I've used a Satellite Simulator, but M0n0Wall, Network Nightmare or Apposite-Technologies would do it as well.

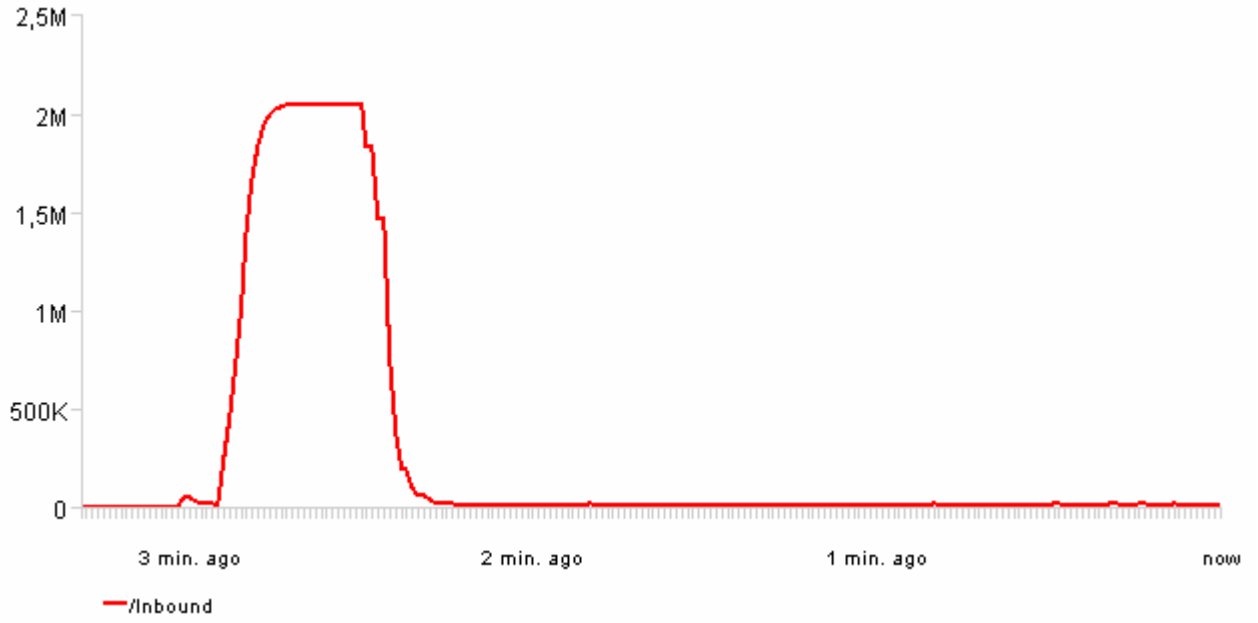


Test No. 1:
Use a big file (5MB) and transfer via FTP to the remote site. You should gather throughput and time to transfer.



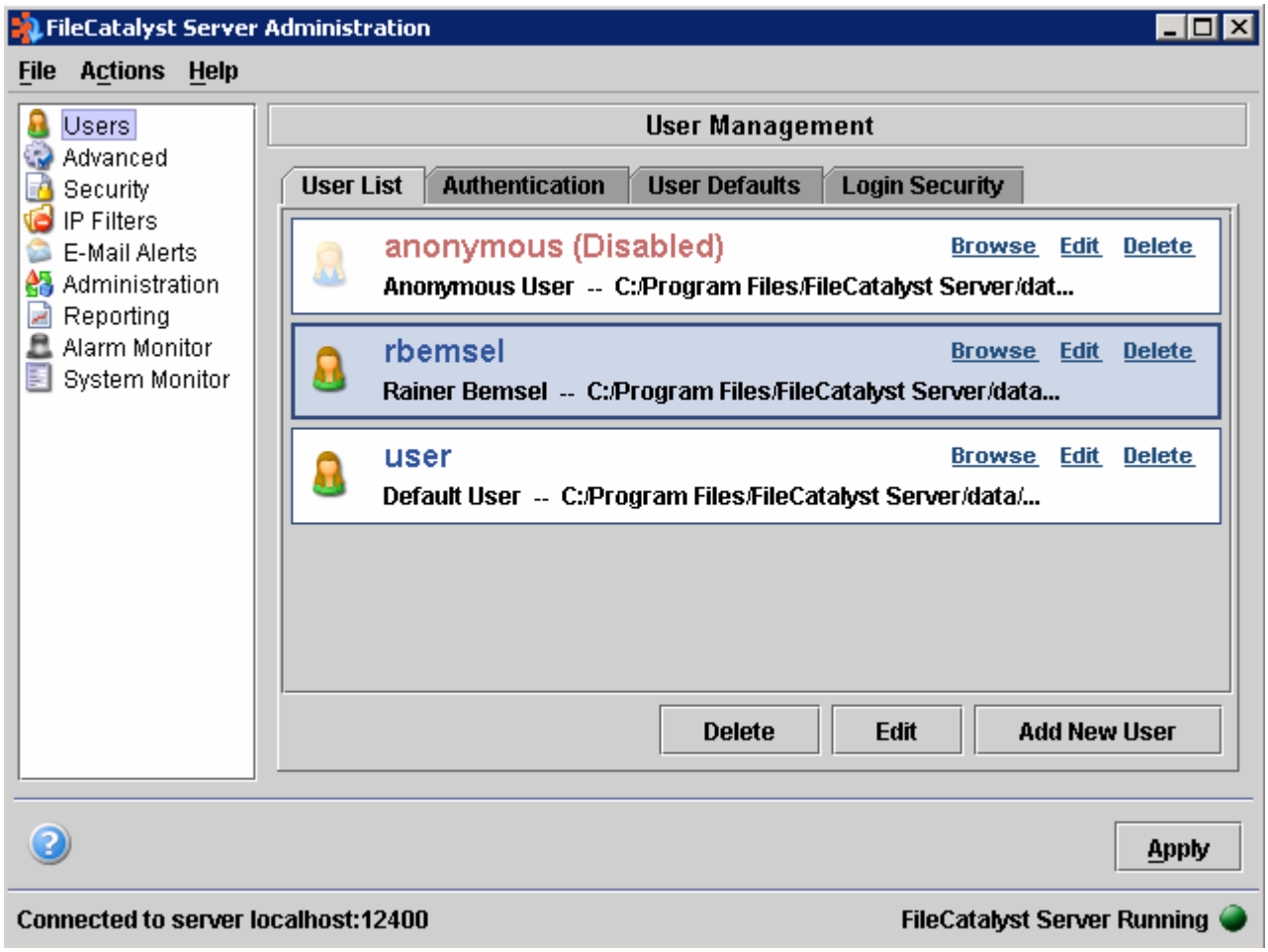
Average Throughput was 320bps and it took over 3 minutes to transfer that 5MB Powerpoint File

Test No. 2:
Use the same file and transfer via FileCatalyst. Note the difference on throughput and time to transfer.



Average Throughput was 2Mbps and it took 31 seconds to transfer that 5MB Powerpoint File

There are a few more things you can use, but that's beyond the quick tech note. Integrated Reporting and Alarming, IP Filters and E-Mail Alerts ……



I really like FileCatalystExpress to transfer files across. However, it does not help by opening a file from a remote site on a file server with an Office application, because those file actions relies on CIFS.