



CLOUD FILE TRANSFER SOLUTION

CLIENT OVERVIEW

Our client is a leading US based ISV delivering data acceleration and management solutions that enable companies and individuals to transfer large amounts of data at high speed over the internet cloud. Our client's portfolio of software solutions help organizations and individuals transfer data fast and manage data across a multitude of applications while maximizing performance, maintaining data security, privacy and minimizing capital and operating costs.

KEY REQUIREMENTS

- Ensuring the solution is available for different flavors of Windows and Linux operating systems.
- Support individual users and also be able to be used in an organizational setup supporting multiple systems and multiple applications.
- In case of enterprise solution, data security was considered as a prime factor.
- Cost effective mechanism for data transfer without effecting quality/ speed of the transfer
- Testing the application for various systems which is unique for different users/ organizations.

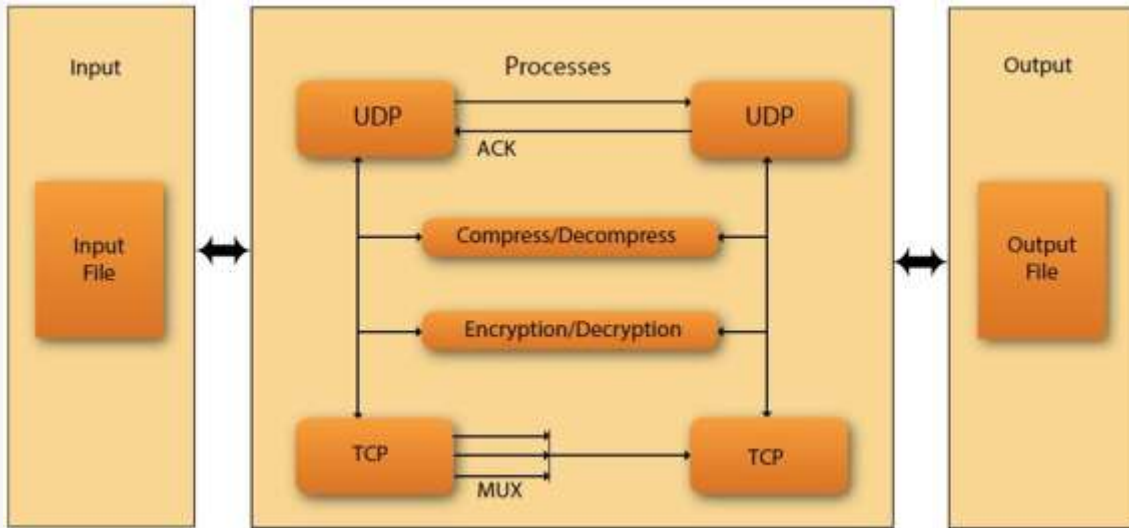
KEY CONTRIBUTIONS

- Two separate code bases were created to run as Windows service or a Linux demon on the Windows and Linux machines respectively
- Data reliability is ensured by sending an acknowledge module which does the sampling of the packets sent and ensures that data is sent to the receiver end for transfer using UDP
- Data security is ensured by using AES-128 and AES -256 encryption algorithms
- Solution is also used as an enterprise level where a single receiver component can be connected to the multiple sender components installed on standalone and the inbuilt SOCKS5 client can deliver data across the firewall after due proxy authentications.
- In-memory compressor feature is built in for compression/decompression of data thereby resulting in faster transfer
- Intensive testing both manual and automated was performed for different flavors of Linux and Windows OS

KEY BENEFITS

- Provided the client 'first mover' advantage over its competition as there was no product exclusively for accelerated data transfer available in the market
- Product could meet the targeted the enterprise customers by providing product reliability and the security feature which became the key drivers of customer growth
- Achieved time to market goals and cost advantage due to offshore model of project execution
- Enabled client engineering team to focus on core competency areas as Xoriant team was involved in end-to-end solution development
- Product also could target huge transfer requirements for clients by improvement in speeds of data transfer to the tune of 100 Mb in 17 seconds versus the earlier 100 Mb in 6*60 seconds.

HIGH LEVEL ARCHITECTURE



TECHNOLOGY STACK

- C #
- Qt
- NSIS scripts
- Batch scripts
- shell scripts
- VS 2008 IDE
- Qt Creator
- JMeter
- Wireshark
- Filezilla
- Bugzilla
- Tortoise CVS



About Xoriant:

Xoriant Corporation is a Product Development, Engineering and Consulting Services Company, serving technology startups as well as mid-size to large corporations. We offer a flexible blend of onsite, offsite and offshore services from our eight global delivery centers with over 2000 software professionals. Xoriant has deep client relationships spanning over 25 years with various clients ranging from startups to Fortune 100 companies.