



Jabil

Powering Global Manufacturing Services with High-performance Transfers of Large Design Files

Overview

The need

Jabil needed to replace a slow and file size limited MFT product with a superior fast, secure and reliable transfer solution to exchange high-value design files internally and with external partners and customers.

The solution

IBM® Aspera® *fastpex* on Demand to quickly and reliably upload and download large design files to and from the IBM® SoftLayer® Cloud.

The benefit

Jabil has substantially improved transfer speeds, with throughput now reaching 95 Mbps.

Jabil is a global supply chain management and electronics manufacturing company that provides customers across multiple industries with intelligently designed global supply chains and product development services.

As one of the world's largest manufacturing services providers, with over 30 million square feet of manufacturing space, Jabil manages customers' supply chains from product development to design engineering to final manufacturing. As Jabil's business has grown, so has the need for faster exchange of larger and larger design files, such as CAD models and circuit diagrams, with global customers, peers and partners in order to bring innovative products to market quickly, reliably and securely.

Jabil relies on IBM® Aspera® *fastpex*™ on Demand, a high-speed person-to-person file transfer solution, running on IBM® SoftLayer® cloud to enable global users to send and exchange high-value design and engineering files. Since deploying the Aspera solution, Jabil has reduced their annual operating expenditures and replaced slow and tedious transfers via their previous managed file transfer (MFT) solution, thereby drastically reducing project turnaround times with high-speed transfers that utilize available bandwidth to move files at maximum speed regardless of size, transfer distance and network conditions.

“As a company dedicated to providing better, faster and cheaper services to our customers, we knew we needed a new solution more aligned with our service objectives,” says Dan Eng, Director of IT at Jabil.



Solution components

Software

- IBM Aspera *faspex* on Demand
 - IBM Aspera Connect Server
-

“Aspera’s speed, security and ease of use enable us to provide quality service to our valued customers.”

— Dan Eng, Director of IT, Jabil

Replacing a slow, expensive MFT product

On a daily basis, Jabil team members must exchange very large collections of engineering and design documents with internal users as well as external customers, peers and partners. Their existing MFT solution was costly, slow and impractical for the massive data sizes and volumes they required. In addition, the solution limited transfers file size, which required the sender to split up and compress large files and folders before sending in pieces to recipients. This made the end-to-end process of sending large files and folders much more complex and time consuming.

To keep up with the speed of business that their customers demanded, Jabil had to quickly correct the issue of slow, unreliable transfers and replace their legacy tool with a superior high-speed file transfer solution. The solution would need to offer performance scaling for very large files and folders as well as provide ease of use for the 1,400 external and 1,100 internal users that would need to access the transfer service.

Seamlessly exchange large design files globally

Jabil set out to find a cloud-based transfer solution that would help them achieve their performance and budgetary goals while complementing their business mantra: better, faster, cheaper. After considering their options, Jabil selected Aspera *faspex* on Demand to streamline collaboration between geographically dispersed team members, partners and customers.

With *faspex* on Demand, Jabil can utilize the one-step Direct-to-Cloud technology to significantly improve the transfer speed of design files to and from SoftLayer cloud storage. By leveraging platform-specific features and Aspera’s patented FASP technology that is natively integrated into SoftLayer’s object storage, users can seamlessly exchange files at high speed to other internal and external users. The advantage of running *faspex* on the SoftLayer cloud is its extraordinary scalability and flexibility that enables streamlined processes, global accessibility, and effective project management.

faspex on Demand’s intuitive user interface requires little instruction or training, providing ease of use for technical and non-technical users alike. Recipients are notified via email when files are available, and senders can opt to receive notification when the recipient downloads the package.

Aspera protects high-value design files with built-in security features that include SAML identity provider integration, SSH user authentication, encryption in transit and at rest and data integrity verification for each transmitted block.

Enable fast, secure collaboration over any distance

Using Aspera, Jabil is able to transfer files of unlimited size and quantity, and even entire directory structures, with reliable delivery times and accurate transfer completion time estimates. Plus, the solution maintains transfer performance independent of distance, connecting geographically dispersed team members, partners and customers and facilitating collaboration. On Jabil's most difficult production transfer, 124 GB worth of data spread across 3,400 files from several sub-folders was sent securely over the public Internet in less than 5 hours.

Aspera *faspex* on Demand replaced slow and tedious file package compression and the need to split up big collections of files into multiple transfers, saving team members time and effort. In addition, the solution resulted in substantial operation expense savings over their previous on-premises MFT solution.

“As a company dedicated to providing better, faster and cheaper services to our customers, we knew we needed a new solution more aligned with our service objectives,” said Dan Eng, Director of IT at Jabil. “We found the answer in Aspera. The solution's speed, security and ease of use enable us to provide quality service to our valued customers.”

Other notable benefits include the following:

- **Fast transfers:** With high-speed FASP transfers, Aspera maximizes bandwidth and enables geographically dispersed Jabil team members, customers and partners to exchange large design and engineering files via the cloud at the fastest speeds possible, regardless of file size, transfer distance, or network conditions.
- **Direct-to-cloud:** By leveraging one-step transfers between users and the IBM SoftLayer Cloud, Jabil shaves significant time off their project turnaround and enables efficient collaboration between team members, customers and partners.
- **Ease of use:** Aspera *faspex*'s intuitive user interface allows users to effortlessly send and receive digital packages, with little instruction or training required.
- **Strong security:** Aspera's enterprise-grade security plan features built-in, thorough SSH authentication, encryption in transit and at rest, and data integrity verification for each transmitted block, protecting Jabil's high-value design files throughout the transfer process.

About Jabil

Jabil is an electronic product solutions company providing comprehensive electronics design, production and product management services to global electronics and technology companies. Offering complete product supply chain management from facilities in 28 countries, Jabil provides comprehensive, individualized-focused solutions to customers in a broad range of industries.

About Aspera, an IBM Company

Aspera, an IBM company, is the creator of next-generation transport technologies that move the world's data at maximum speed regardless of file size, transfer distance and network conditions. Based on its patented, Emmy® award-winning FASP™ protocol, Aspera software fully utilizes existing infrastructures to deliver the fastest, most predictable file-transfer experience. Aspera's core technology delivers unprecedented control over bandwidth, complete security and uncompromising reliability. Organizations across a variety of industries on six continents rely on Aspera software for the business-critical transport of their digital assets.

For more information

To learn more about Aspera solutions, please visit www.ibm.com/cloud-computing/products/high-speed-data-transfer/ and follow us on twitter @asperasoft.



© Copyright IBM Corporation 2017

IBM Global Services
Route 100
Somers, NY 10589
U.S.A.

Produced in the United States of America
February 2017

IBM, the IBM logo, ibm.com and Aspera are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both. If these and other IBM trademarked terms are marked on their first occurrence in this information with a trademark symbol (® or ™), these symbols indicate U.S. registered or common law trademarks owned by IBM at the time this information was published. Such trademarks may also be registered or common law trademarks in other countries. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at:

ibm.com/legal/copytrade.shtml.

Other product, company or service names may be trademarks or service marks of others.

This document is current as of the initial date of publication and may be changed by IBM at any time. Not all offerings are available in every country in which IBM operates.

The performance data and client examples cited are presented for illustrative purposes only. Actual performance results may vary depending on the specific configurations and operating conditions. It is the user's responsibility to evaluate and verify the operation of any other products or programs with IBM product and programs. THE INFORMATION IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY OR CONDITION OF NON-INFRINGEMENT. IBM products are warranted according to the terms and conditions of the agreements under which they are provided.

SoftLayer® and SoftLayer® device are trademarks or registered trademarks of SoftLayer, Inc., an IBM Company.



Please Recycle