# Syncplify.me Server! – A solution for Banking/Finance

The financial market is a highly regulated one. Entities that operate in such market are required to meet extremely high security requirements, among which the PCI-DSS regulation is certainly the most famous. And, to make things more challenging, such regulations tend to change frequently. Therefore, operating a traditional secure file transfer server (SFTP, MFT, EFT) is not enough. Running a secure file transfer solution that can adapt to ever-changing conditions has become necessary.

Most SFTP and MFT software vendors tend to take advantage of the rapidity of the above-mentioned changes to keep upselling new pieces of software and customization services to their customers; the consequence of this is that, for most financial institutions, the secure file transfer infrastructure becomes a constant money drainer (and a weakness).

The typical data-flow of traditional SFTP/MFT solutions doesn't leave much room for performing additional actions that may be essential to meet certain regulatory requirements. The picture below shows how this traditional (and ineffective) approach typically works:
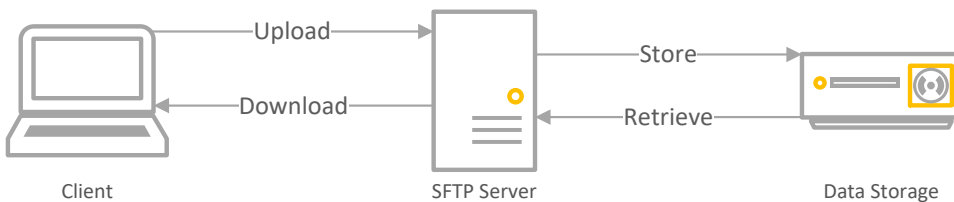
Syncplify.me Server!'s event-handling and scripting subsystem, instead, helps financial institutions meet regulatory compliance by allowing them to pre and post process data in transit through the SFTP server, as shown in the picture here below:
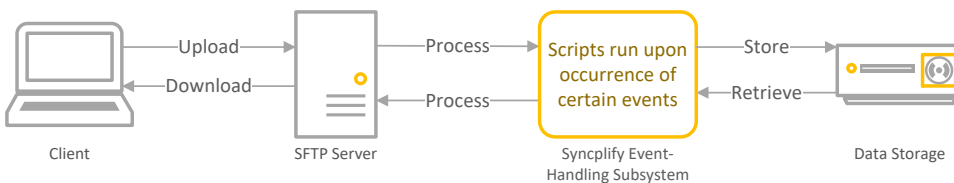
This way, the secure file transfer services can be infinitely extended and customized by simply adding new scripts to process data while they are in transit and events and as they occur.

New email notifications, custom log lines, automatic compression and archival of certain files, pretty much anything that a new regulation may require can be handled quickly and effectively via Syncplify scripts. And to increase flexibility even more, Syncplify supports 4 well-known scripting language syntaxes: JavaScript, Basic, C++, and Pascal.

Key Benefits

Compliance

- PCI 3.2 Compliance
- Security and Privacy
- Administration Roles

Visibility

- Nontamperable Logs
- Realtime Dashboard
- SysLog Support

Security

- At-rest Encryption
- Elliptic Curve Keys
- PKI Authentication
- Multi-factor Auth
- No DMZ Gateway
- Privilege Isolation
- Virtual File System
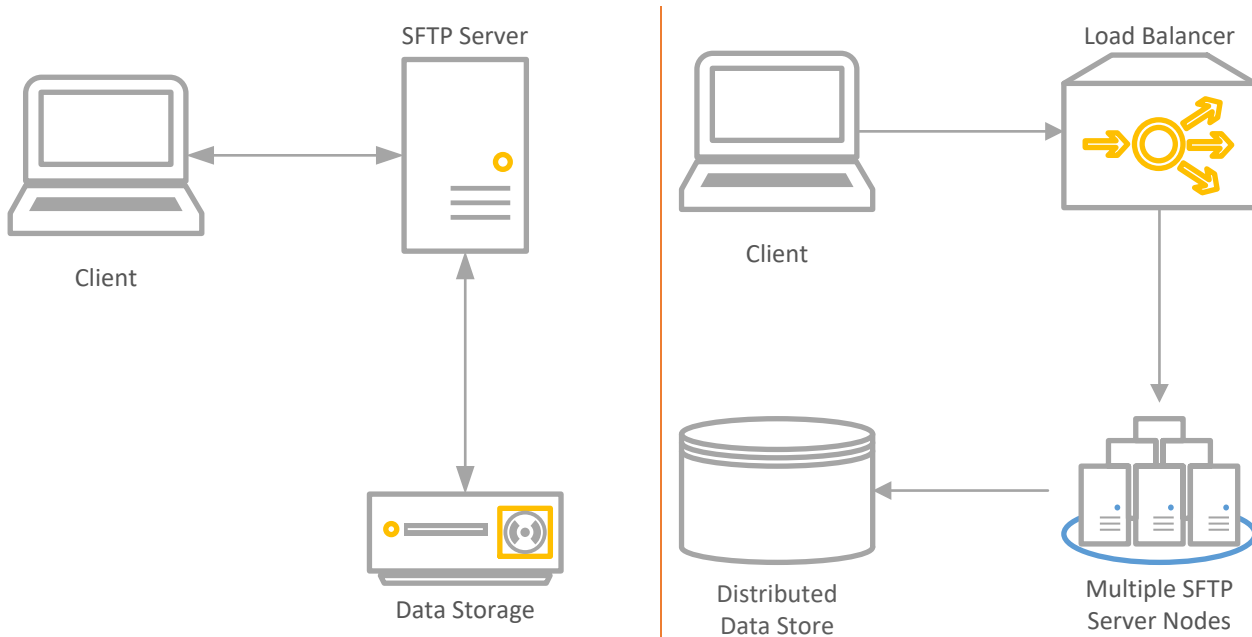
Automation

- Event Handling
- Extend with Scripts
- REST API

System Req.

- Windows XP through Server 2016 (both 32 and 64 bit)
- 300 GB Disk Space
- 2 GB RAM

Security beyond encryption: the "availability" issue

Another common mistake most SFTP/MFT solution vendors make is to focus almost exclusively on encryption as a form of data protection. Yes, encryption is more than important, it's essential, but what's the point of having the best-in-class encryption scheme if the secure file transfer services can become unavailable during an attack, or even just because of a normal maintenance operation (like installing operating system updates for example)? Deploying secure file transfer services in High-Availability (HA) is practically as important as managing encryption the right way. The two pictures here below clearly show why. On the left-hand side you can see a traditional SFTP server deployment, on the right-hand side the level of availability provided by Syncplify.me Server! when deployed in HA mode.

SFTP Server

Client

Data Storage

Load Balancer

Client

Distributed Data Store

Multiple SFTP Server Nodes

Traditional solutions deploy a single SFTP server that accesses a single data storage; if the SFTP server crashes under attack or is unavailable during maintenance, the entire SFTP service is offline.

With Syncplify.me Server! multiple SFTP Server nodes work together as one, and even if some of the nodes are temporarily offline, all secure file transfer services are still available and operational.

About Syncplify

Syncplify, Inc. is a young and dynamic ISV that aggregates several software designers and developers from around the world, each of them with at least 15 years of experience in secure file transfer solutions. Syncplify provides corporations, government and financial institutions, and several law-enforcement and security agencies with the most secure file transfer server and client software.

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