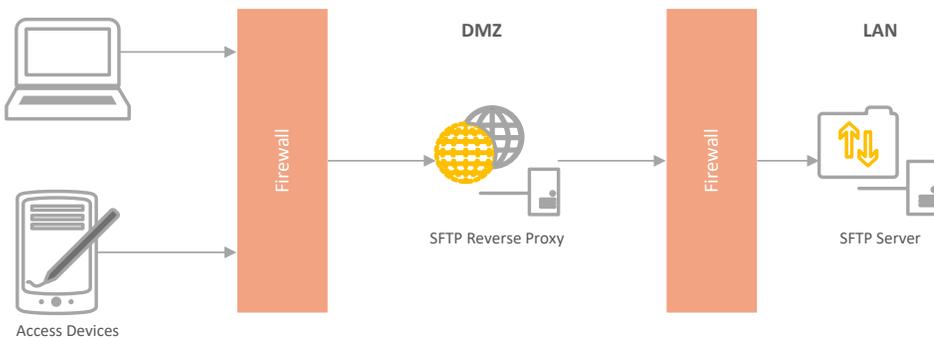


# Syncplify.me Server! – A solution for Healthcare

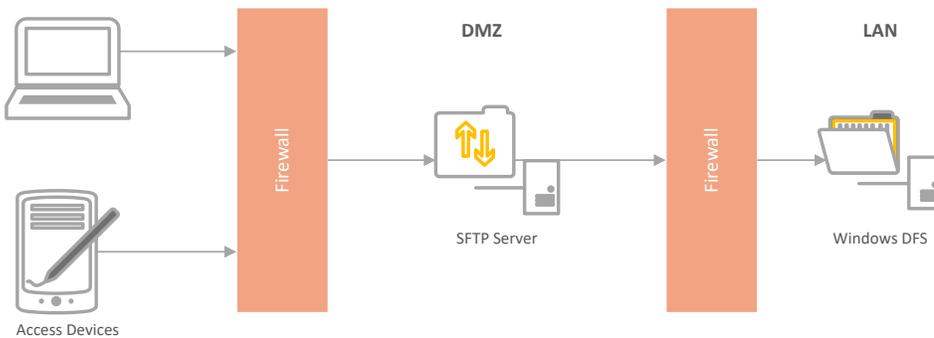
Keeping a Healthcare Organization's data safe is a daily task that goes far beyond HIPAA compliance requirements. Operating a secure file transfer server (SFTP, MFT, EFT) is not enough, more challenges arise on a daily basis from the chosen infrastructure and architecture design.

For example, we know that according to the HIPAA regulation, personal health information cannot be stored in the DMZ. The architectural solution proposed by most competitors is a reverse-proxy in the DMZ that passes data through to the real SFTP server which resides in the internal network.



The solution above is not only inefficient, but also potentially slower and weak towards inside attacks. It basically assumes that an attacker can only come from the outside ("dirty") Internet, while most attacks are in fact perpetrated by unfaithful employees.

Syncplify.me Server!'s Virtual File System (VFS), instead, allows the operation of the SFTP server directly inside the DMZ, thus avoiding the whole SFTP-to-SFTP proxying, and the storage of data in a protected part of the network accessed over UNC paths via impersonation.



This way, should the SFTP server stop/crash or be otherwise compromised, all data stored in the VFS becomes immediately inaccessible, keeping patients' data safe without the overload caused by an SFTP reverse-proxy.



## Key Benefits

### Compliance

- HIPAA 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

## Why is a DMZ SFTP-Gateway a bad idea?

SFTP connections are extremely expensive in terms of computational resources as well as a lot slower than other file-access protocols (like SMB/CIFS for instance); furthermore, SFTP doesn't provide any true security enhancement to the DMZ-to-LAN transfer when compared to SMB/CIFS. Syncplify.me Server!'s VFS architecture can fully leverage the power of Windows DFS (distributed file system) internally, while guaranteeing the highest grade of SFTP security externally, and all of this without wasting precious resources like an SFTP Gateway does.

## The hidden issue: at-rest encryption

The one topic that's often overlooked by most competitors, even though it's a requirement for HIPAA compliance, is at-rest encryption. While the SFTP protocol offers the highest degree of security for data in-motion (being transferred over the network) the protocol doesn't include any native feature to encrypt data at-rest (on the actual storage medium). There are excellent third-party software products for file/folder or full-disk encryption, but making software from two vendors work together always requires an integration effort. Syncplify.me Server!'s VFS, instead, features its own AES256-encrypted disk-based virtual file system, which transparently and seamlessly provides at-rest data encryption with zero integration effort.

## A fully integrated solution: Syncplify.me Server!

Creating the foundation and the infrastructure to make several software products work together is a time-consuming and very expensive task. Modern healthcare organizations need HIPAA compliant solutions that can be effectively deployed in a short amount of time and be resilient enough to keep working even when something goes wrong. Syncplify.me Server! is purpose built for security and reliability, it features state-of-the-art multi-node high-availability (HA), AES-encrypted virtual file system, non-tamperable administrative logging, and real-time monitoring. Furthermore, Syncplify.me Server! comes with a 1-click "HIPAA compliance configuration" button, and includes a 1-year maintenance and support contract with every purchase.

## 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.

Syncplify, Inc.

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