



Malware Defeating File Sharer Client Experience

2023-06-15

How To View MDFS

A safe haven for your data on Windows-compatible file shares.

A provider of business IT resilience by remaining fully functional when your Windows machines get hit by malware, and by being supplied as a VM (Virtual Machine).

A defeater of many attacks. Including file encryption (ransomware), file deletion (wipers), and file exfiltration.

A hardened IT system that uses far more capable security than is available on MS-Windows.

A system for which we can provide a free Test Drive to enable potential business clients to become familiar with it. See : https://iopen.co.nz/ws_mdms.html#mdms_test_drive

What Your Users See

Your Users see standard MS-Windows-system file shares that they can connect to and use in the standard Windows way.

What Your System Administrators See

Your System Administrators use a web browser to manage Windows-compatible file sharing in a way that's easier and simpler than for an actual Windows sharer.

Hardening Techniques Used

The MDFS VM doesn't use MS-Windows and so is immune to Windows malware.

Local network access to MDFS is restricted to the file shares and the MDFS Administration web server.

Remote access to file shares is possible, and it's done via a dedicated secure VPN rather than one of the often-compromised other methods.

Backing-up of files on shares is done via a dedicated secure VPN and uses the safer 'pull' method and has to be done by non-Windows machines. Backup destination can be off-site.

Low level access to the VM has to be via a dedicated secure VPN and from non-Windows machines.

The MDFS VM is run by a non-Windows Hypervisor. Its GUI can be accessed remotely via a secure network connection and has to be from non-Windows machines.

Our Motivation For Producing This

We want businesses to achieve better outcomes, regardless of whether we're directly involved in making them happen. Such outcomes can produce effects that benefit many, including ourselves.

This document provides information about security techniques that should be used generally, and not just with the MDFS system and other IOPEN-provided systems.



Malware Defeating File Sharer System Structure

2023-07-20

