低コストでセキュアなファイル共有環境を実現、

インテル® vPro™ プラットフォームとの連携で "未知の脅威"の侵入にも対応

Recently VarioSecure Inc., a provider of man-aged security services, introduced "FileFlex," a next-generation file-sharing solution developed by Qnext Corp. to the Japanese market. FileFlex is a monthly paid service that enables safe and simple sharing of files stored on NAS and PCs of enterprise users and has gained significant traction with cor-porate users who cannot leave important data on cloud storage – due to security concerns. Addition-ally, by using FileFlex with PCs that utilize the 8th generation Intel® Core™ SGX processor, it is now possible to prevent the spread of damage even from "unknown threats" by protecting the content against malware memory scans. In the document, we discuss the features of FileFlex and the benefits of collaborating with the Intel® vPro™ hardened platform with VarioSecure, and Qnext.

To support operational load reductions for IT managers

VarioSecure, established in June 2001, has been providing managed security services through its UTM (Unified Threat Management) appliance "VSR-Vario Secure Router". This provides a series of security func-tions, including firewall, intrusion detection (IDS), intrusion prevention (IPS), anti-virus, and others and is focused on file sharing security. VarioSecure's main

This article first appeared in Nikkei Business Publications and is reproduced here with permission.

1

client segment consists of corporations with 500 employees and the company currently has approximately 2,000 corporate clients.

Recently VarioSecure started marketing "FileFlex," a next-generation file sharing solution developed by Qnext. FileFlex enables the secure sharing of files that are stored in existing file storage locations on servers, computers and NAS drives of in-company. All of this is done via the internet. FileFlex achieves safety and simplicity in file sharing through en-cryption via VarioSecure's FileFlex server in Japan. Coordination with out-of-company cloud storage services is also possible, and you can also set access controls and restrictions for each user. With FileFlex, there is also absolutely no need to purchase a new server or storage for file storage.

JUNKO HIRATA
President's Office and
Marketing/Advertising
VarioSecure Inc.

JUNKO HIRATA, working from President's Office in Marketing explained the purpose of adopting FileFlex as follows.

"Our mission is supporting the business-es of clients who use the internet and we support operation load reductions for all IT managers by providing managed security services primarily based on UTM appliances. As part of these operational services, IT managers also take care of issues around internal file servers and cloud storage, and we thought we could also help with operational load reductions for operational services of this type of file sharing. FileFlex came to our attention at that point," she said.

FileFlex is simpler than cloud storage and ensures an ultra-secure file sharing environment

What initially comes to mind in terms of corporate file sharing are file sharing servers and storage set up in an on-premise environment, but in recent years, use of Google Drive, Dropbox, and Box cloud storage services has also become common.

Specifically, current corporate users have a major prerequisite of "cloud first" when introducing new IT solutions and highly prioritize cloud storage services when it comes to selection of file sharing solutions as well. However, Hirata explains the actual situation of corporations as follows.

"Since starting marketing FileFlex, we took feedback from clients attending conferences, and found that there were many companies that said 'the company policy is not to place any confidential data on cloud,' even in companies that already used cloud storage. Also, 'to use a cloud storage service, you need to first upload data on the cloud, which takes some operating efforts' was another thing we heard. This is to say that cloud does not necessarily meet all client needs. " (Hirata)

So, how is FileFlex superior to cloud storage? Qnext Japan's Country Manager, NICK KOVAC, explained as follows.

NICK KOVAC
Country Manager
Qnext Corp Japan

"First, there is the fact that FileFlex makes the transfer and duplication of data to a separate server, as would be the case when using cloud services, absolutely unnecessary. With data remaining on hard disks in PCs used by each end user or NAS or in-house file sharing servers, files can be shared from their source locations as if it was a cloud service, " said Kovac.

With FileFlex, file sharing is achieved by doing communications through the FileFlex server with each storage transaction encrypted. The FileFlex server is not a file storage location that just cuts down communication between devices. It works on any type of file sharing device, whether it be PC, tablet or smartphone.

FileFlexの利用イメージ
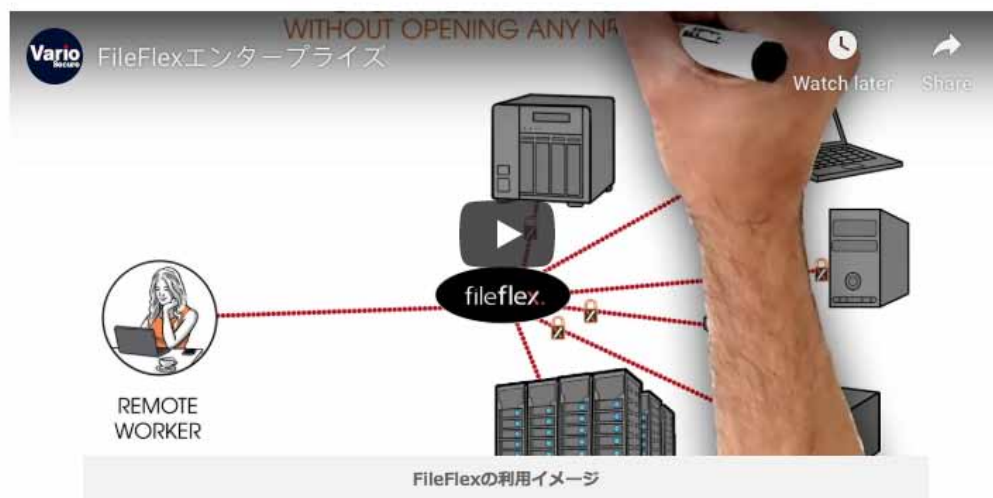
"Also, with cloud storage services, users share files by accessing a specific URL to upload and download files, but with FileFlex, files are shared through streaming and require no time for uploading and downloading. Image of exchange of files from point to point, with a handshake between the other PC or server. This means file sharing can be achieved with a much greater level of security than with cloud," said Kovac
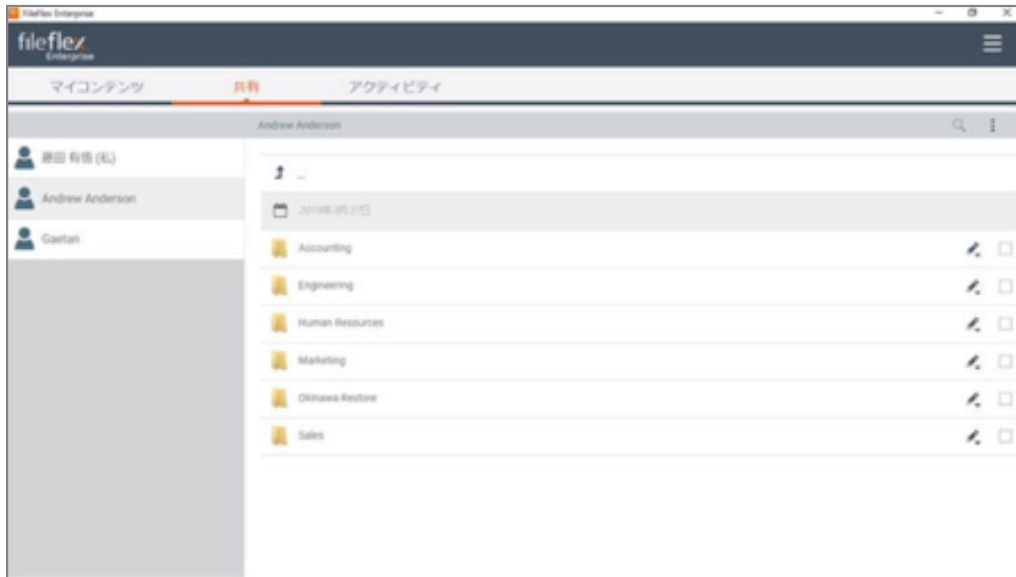
FileFlex user screen on a PC without Intel® vPro™ platform. The person icon on the left side of the screen is the user registered as the file sharing location (including the person themselves). The file is selected from the folder icon on the right side of the screen and double clicking determines the file to be shared.

FileFlex user screen on PC with 8th generation Intel® Core™ vPro™ processor. On the right upper screen, "Reinforce with Intel SGX" is displayed (note this screen is the file sharing screen in non-SGX mode).

For IT managers, there is no need for the operations management required when using cloud services. Ian unlike most cloud services, a much higher level of security can be ensured. New capital investments for file sharing like servers and resources are also not required. End users are more productive because they save the time and effort needed for uploading and downloading and they greatly reduce the stress of file sharing.

Support for infiltration of "unknown threats" on your computer by integrating Intel® vPro™ platform and FileFlex

FileFlex has been able to integrate its product with the Intel® vPro™ platform and it is the first file sharing and collaboration software to provide this ultra-secure, silicon hardened file sharing and collaboration. This provides a new benchmark for remote access, file sharing and collaboration.

Cyber attacks have become incredibly sophisticated and complex. It has become necessary for security counter measures to stop these infiltrations. And one of these solutions is the coordination between FileFlex and Intel-powered PCs with 8th generation Intel® Core™ vPro™ processors.

Typically, malware that gets into PC's first scans the memory and infects files stored in memory. For this type of malware, rather than a software technology, the Intel® processor vPro™ platform provides software card extensions. This is called Intel® SGX™, a hardware-assisted memory encryption function to achieve silicon-hardened, hardware-level security.

"Through coordination with the Intel® vPro™ platform, even if the PC sharing the data is already infected, the memory of this PC is protected by Intel®SGX, ensuring the security of the file in its memory enclave. In this sense, coordination between the Intel® vPro™ platform and FileFlex is a solution that achieves "chip to chip," rather than "point to point" file sharing, " said Kovac.

For example, when you want to share a CAD file with a specific party or a client file stored on your PC, you send a URL of the file's storage location by e-mail and approve access to this file from the other party's PC. Then, the user that received the e-mail clicks on the link to allow the file in question to be shared. At this point, even if the user that received the e-mail forwarded the e-mail to another individual, that individual could

not see the link location. The URL in the e-mail can only be accessed by the PC of the user that first received the e-mail. This is nothing else than "chip to chip" file sharing.

It is said that malware intrusions in today's world can be measured in the hundreds of thousands. It is no longer possible to prevent all of these. This is why recently, it has become necessary for companies to have security counter measures premised on infiltration by unknown attacks.

"With the memory encryption function using Intel® SGX, PCs with 8th Generation Intel® Core™ vPro™ processors ensure silicon-hardened, hardware-level security. This allows the corporate users of FileFlex to take advanced security measures against unknown attacks. This translates into an ultra-secure file sharing environment, " commented Kovac.

Continuing to provide a silicon-hardened security environment through a partnership with Intel

From here, VarioSecure intends to engage in marketing solutions that combine FileFlex with PCs with 8th generation Intel® Core™ vPro™ processors,. As well it is also pouring significant efforts into providing another data backup and recovery service, "VDaP-Vario Data Protect.

"This is also a solution to support operational load reductions for IT managers," mentioned Hirata.

VDaP-Vario Data Protect is a backup service developed by VarioSecure by acquiring the data protection business of Blueshift, an experienced backup service provider.

BRENT REICHOW
Sales and Marketing Division Data Protection Department Blueshift Group Vice Director VarioSecure Inc.

Sales and Marketing Division Data Protection Department Blueshift Group Vice Director BRENT REICHOW explained.

"File sharing with data backup and recovery is an extremely compatible solution," and emphasized that, "linking backup services with existing UTM appliances and managed security services makes it possible to provide an added value high-security platform that ensures disaster recovery and continuous operation."

Also, Kovac concluded with the following overview of the partnership with Intel and urged organizations to be cautious when using cloud services in the future.

"Most people seem to have an image of cloud services being typically stable. However, cyber attackers are always levelling up their activities. Corporate users need to be constantly cautious concerning the extent of the reliability of the cloud service security currently in use. Also, we are approaching an era where quantum computers with enormous processing capacity will arrive. When this happens, traditional data encryption technologies will be easily hacked with quantum computer processing. In addition, more advanced viruses and hacking tools might also make their appearance. Through the Qnext partnership with Intel, we aim to continuously provide our customers with a reinforced security environment by embracing the latest technologies, like the Intel® vPro™ platform," said Kovac.

Partners
(ABC順)

貴社のビジネスを強力にサポートするインテルのパートナー企業

デル株式会社

豊富に揃ったビジネス向け製品＆ソリューションから、働き方に見合ったモデルとスペックを選べます。

▶ デル株式会社のサイトを見る

株式会社ディー・オー・エス

当社のご提供するIT資産管理ソフト「SS1」は、セキュリティ管理やログ管理もおこなえる統合型のソフトウェアです。Windows10への移行や更新プログラム適用管理・働き方改革の推進に効果を発揮します。

▶ 株式会社ディー・オー・エスのサイトを見る

Dynabook 株式会社

Dynabook株式会社では、クラウドを活用した業務サービスをはじめ、生産性向上を実現するさまざまなソリューションをご用意。そしてお客様のめざす「働き方改革」を成功に導く豊富な製品ラインアップをご提供しています。

▶ Dynabook 株式会社のサイトを見る

富士通株式会社

富士通はパソコン本体の開発から製造まで一貫した国内体制を確立し、「高信頼性・高品質」にこだわり続け、お客様の用途や業種・業態にあわせた最良の製品・サービスを提供します。

▶ 富士通株式会社のサイトを見る

株式会社ハンモック

AssetView は、Windows 10 更新プログラム管理機能に加え組織内のクライアントPC の情報を収集する機能や、クライアントPC の設定コントロールや制御・警告・ウイルス対策などを行ってくれるトータルクライアントソリューションです。

▶ 株式会社ハンモックのサイトを見る

Lenovo

レノボ・ジャパンは、ThinkPadをはじめ優れたモビリティを誇るPCデバイス、周辺機器、Web会議システム、セキュリティ製品、サービス等、技術力と確かな品質でお客様企業の働き方改革推進をご支援いたします。

▶ Lenovoのサイトを見る

エムオーテックス株式会社

『LanScopeCat』は14年連続トップシェアの情報漏えい対策ツールです。IT資産管理や操作ログ管理をはじめ、既知・未知のマルウェアの検知・駆除、感染原因の特定まで行え、インシデント対応の課題も解決します。

▶ エムオーテックス株式会社のサイトを見る

NECキャピタルソリューション株式会社

当社では、効率的にインテル® アクティブ・マネジメント・テクノロジー(インテル® AMT)の初期設定ができる「PIT-Configurator for AMT」、複数PCの電源管理が可能な「PIT-PowerController for AMT」を提供しております。

▶ PIT-Configurator for AMT
▶ PIT-PowerController for AMT

日本ビジネスシステムズ株式会社

JBSはマイクロソフトを中心としたITソリューションを提供する独立系システムインテグレーターです。最新のテクノロジーを活用し、次世代のイノベーションパートナーとしてお客様のデジタルトランスフォーメーションの実現をご支援します。

> 日本ビジネスシステムズ株式会社のサイトを見る

日本電気株式会社

ビジネスPC Mate&VersaProシリーズは、様々なワークスタイルをサポートする多彩な商品構成とサービスを提供します。お客様一人ひとりの多彩なニーズに応え、社会とビジネスの革新に貢献します。

> 日本電気株式会社のサイトを見る

株式会社 日本HP

HPは「世界で最も安全なビジネスPC」を実現するPCメーカーです。マルウェア感染を防ぐ"HP Sure Click"など先端のセキュリティ機能によりサイバー攻撃の対策やテレワーク導入の推進コストを下げることが可能です。

> 株式会社 日本HPのサイトを見る

日本マイクロソフト株式会社

Windows 10 はマイクロソフトが提供する最も安全なオペレーティングシステムです。セキュアなIT環境の維持・柔軟なITデバイスの管理・リモート作業や既存ITとの統合を可能にし、ビジネスにおける高い生産性の実現に貢献します。

> 日本マイクロソフト株式会社のサイトを見る

株式会社NTTデータウェーブ

ハードウェアの提供から運用管理、廃棄までのPCライフサイクル全体を通したトータルアウトソーシングサービス「Wave PC Mate」を提供しています。これまでに培った構築・運用に至る経験とノウハウをベースに、デスクトップ領域におけるプロフェッショナル集団が情報システム部門を強力にサポートいたします。

> 株式会社NTTデータウェーブのサイトを見る
> Wave PC Mateのサイトを見る

オリックス・レンテック株式会社

オリックス・レンテックは国内最大規模のハイテク機器を保有するレンタル会社です。インテル® Core™プロセッサー・ファミリーをはじめ、 vPro™テクノロジーを搭載したさまざまなメーカーのPCを豊富に取り揃え、最短1日からご利用形態に合わせた柔軟な期間設定で、レンタルサービスをご提供しています。

> オリックス・レンテック株式会社のサイトを見る

パナソニック株式会社

働き方改革、業務効率性Upに欠かせないモバイルPC。「モバイルワーク」「在宅ワーク」「オフィスワーク」など、さまざまな場面で、快適に業務が行えるよう、レッツノートがトータルサポートします。安心安全の純日本製のレッツノートだからこそできるソリューションを皆様にご提供いたします。

> パナソニック株式会社のサイトを見る

Sky株式会社

SKYSEA Client Viewは使いやすさにこだわったクライアント運用管理ソフトウェアです。PC情報を収集し、Windows 10 PCの管理やサイバー攻撃対策を支援。vPro テクノロジーにも対応し、詳細なPC情報管理やメンテナンスが可能です。

> Sky株式会社のサイトを見る

バリオセキュア株式会社

バリオセキュアはファイル共有をクラウドレスで行う、次世代ファイル共有サービス「FileFlex」を提供をしています。

> バリオセキュア株式会社のサイトを見る

Coming soon...

Coming soon