



SPAZIO File Services Provider Suite

Benefits of Primeur's Solution

- **Reduction in IT costs** thanks to the use of a single infrastructure for the management of **multi-protocol** and **multi-platform** FT and MFT products from different vendors both **within** and outside the company
- **Secure Management** of File Transfer and Access Control
- **Increase in business agility** to optimize the use of IT resources, simplifying the application and operating processes in response to market changes
- **Business-level integration** with the various parties with which information is exchanged, not only for the data flow but also for applications and processes
- **Optimization of development time** for new applications, thanks to the decoupling between applications that produce the file and those that use it

Business Needs

The continuous increase in the quantity of files that are exchanged both inside the company and outside with customers and suppliers is forcing companies to manage multiple File Transfer protocols on different technological platforms. Many files also contain critical and sensitive information and it therefore becomes vitally important to **minimize** and **manage the risks** associated with the movement of the files.

A few examples of the problems that can be encountered in transferring data are outlined below:

FTP and Home Made software

Many companies move their files using free Internet protocols such as FTP (File Transfer Protocol) or even using software developed in-house. FTP products **do not guarantee adequate reliability** because the exchange of files is not managed or controlled and there is no certainty that the data has actually been sent/received. In the case of the in-house developed software, it is not easy to keep the solution updated and consistent with the evolution of systems over time.

Managed File Transfer (MFT)

The presence of multiple Managed File Transfer products in a company causes

increased **complexity** and **operating costs**.

File movement activities are often linked to, and dependent on, the application that produces the files making the infrastructure **inflexible** and extremely difficult to manage. For example modifying file flows, for reasons of security or cost reduction, requires intervention on the actual applications. Therefore, agile solutions are necessary that make transport and management independent from the applications.

Security in Managing Files

In many cases security policies are not applied to File Transfer and transformation processes because introducing them would mean modifying the applications that produce and use the files.

SOA Integration

Companies are increasingly implementing or planning to implement a SOA approach in order to realize the benefits of an extremely agile infrastructure capable of varying according to business needs. For File Transfer, therefore, what is required is a solution that meets security needs, and which can do so as a service, following both planned and unplanned events, independently of the physical network.

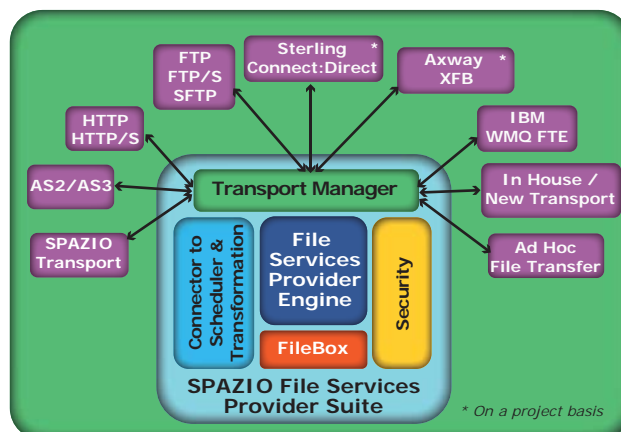
The Primeur Solution

To satisfy these business needs, organizations need visibility in order to see whether files have really been sent and/or received; **certainty** that the data moved have been exchanged and **adequate security** policies have been enforced; **capability to manage products and protocols from different vendors**, both internally and externally, on heterogeneous platforms. All of this without needing any intervention in the applications which, in effect, provides decoupling of the application from the File Transfer. Lastly, companies need to be able to rely on the **added value of advanced services** (such as transformation and security) that make the File Transfer process simple, secure, optimized and potentially integrated with the SOA infrastructure.

SPAZIO File Service Provider Suite is the only product of its type because it addresses all of these needs. Thanks to its **Store and Forward** architecture called **File Service Provider Engine**, it is able to operate in multi-product, multi-protocol and multi-platform scenarios.

SPAZIO File Services Provider Suite is part of Primeur's new SPAZIO MFT/S Enterprise Suite

Primeur supports IBM WebSphere MQ File Transfer Edition



Solution Architecture

The **File Service Provider Engine** is at the core of Primeur's solution since it **allows file traffic to be managed** and **critical information on data flows** to be collected. Its **virtualization technology** makes it possible to separate the physical attributes of the files **that it manages** from the logical attributes.

The functionality of the File Services Provider Engine make it possible to establish connections, synchronize events and recovery processes in the event of failed transfers and to implement operations such as automated transformations and recipient addressing, without user intervention.

The files managed by the File Service Provider Engine can be stored in a **FileBox**. This component allows the file to be managed, separating and decoupling it from the work cycle of the applications and performing any particular required action, such as the activation of security functionality. The FileBox manages the entire life cycle of the data thus making applications simpler to build, more agile, and less costly to maintain.

The **File Transport Manager** makes it possible, through a single interface in a secure and managed way, to perform data transfer even with a mix and match of products or protocols from different vendors.

The sending File Services Provider Engine uses its file management capability to send files on to their destination according to the configuration and availability of the receiving system.

File Transformation provides all the necessary modification functionality by activating the required transformation product.

SPAZIO File Services Provider Engine can also be integrated with the main job and workload schedulers - the engines normally used for batch execution.

Security functions are performed by a robust framework called **SPAZIO File Services Security Suite**. This contains encryption, authentication and access control processes along with management auditing of the operations carried out. This framework is based on an adaptable architecture in order to take advantage of new security standards and is one which can be integrated with existing structures.

In addition, Primeur's solution is capable of working with the **major vendors of SOA** and **ESB** (Enterprise Service Bus) **infrastructures**.

Main Functions

- **Synchronous and Asynchronous** File Transfer protocols can be managed by the File Services Provider Engine

architecture. Files can be sent in a synchronous or asynchronous manner, depending on the requirements of who manages the system, in order to simplify application and system processes. This approach enables **decoupling** between applications that *produce* and those that *use* files

- **Association of Metadata** that accompany the file along its route. These attributes are very important since they carry information that is needed for execution of the File Transfer (they also carry business information such as sender, application that uses the file, etc.) and are also available to applications in batch mode. The metadata are stored (and made accessible) in all the platforms along the route of the file transfer
- **Transport Management** using Primeur's product as a software gateway between, for example, an internal network and external network using the same or different protocols. Because Primeur's solution supports multiple free/open protocols and proprietary protocols the software gateway can manage any "mixture" of protocols regardless of vendor
- **Automatic Version Management** for files received with an identical name (to avoid files with the same name being overwritten)
- **Management of file Life Cycle** which allows the sender of the file to associate parameters useful for managing the data both within and outside the company
- **Ability to Generate Acknowledgments** (notifications) on the transport and/or transformation of the data which can be used by applications, directly from the local node, to decide on the next processing steps
- **Log** which provides both a **technical** and **business** vision of the operations performed on the files
- **Auditing** of all File Transfer operations that makes it possible, for instance, to **know who carried out** each transport/transformation of the file
- **Management of Distribution Lists** is the multi-protocol functionality makes it possible to manage sending to static lists (to a predefined group of recipients) or dynamic lists (created on-the-fly)

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About Primeur

Primeur is a multinational company and one of the main producers of middleware solutions for distributed and heterogeneous IT systems. Primeur is a leader in **Managed File Transfer, End-to-End Security and Governance**. With more than 500 customers worldwide - including large companies operating in the areas of Finance, Industry and Services - it has branches and distributors in Europe, United States of America, South America and Asia Pacific. Primeur is an IBM Premier Business Partner particularly active on IBM WebSphere, Tivoli, Rational and Information anagement platforms. In addition, it provides software and services for SOA (Service Oriented Architecture), communication middleware, legacy application integration and data security.

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