



Whitepaper

SEEBURGER Managed File Transfer: A Technical Guide to Security, High Volume Data Transfer, and Endpoint Integration

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Data makes the world go round. Whether automated order processing, financial transactions or status updates from a (global) network of embedded devices. Whether continually updating customer records in a large concern, sharing CAD designs between a multinational team, or coordinating the supply chain for just-in-time production, whatever you see going on involves a sea of invisible data behind the scenes.

Get huge volumes of **structured** and **unstructured data** of all types where they need to go, in the **format** and through the **protocols** your **endpoints** need, at the **speed** and **security** your business requires.

What is managed file transfer?

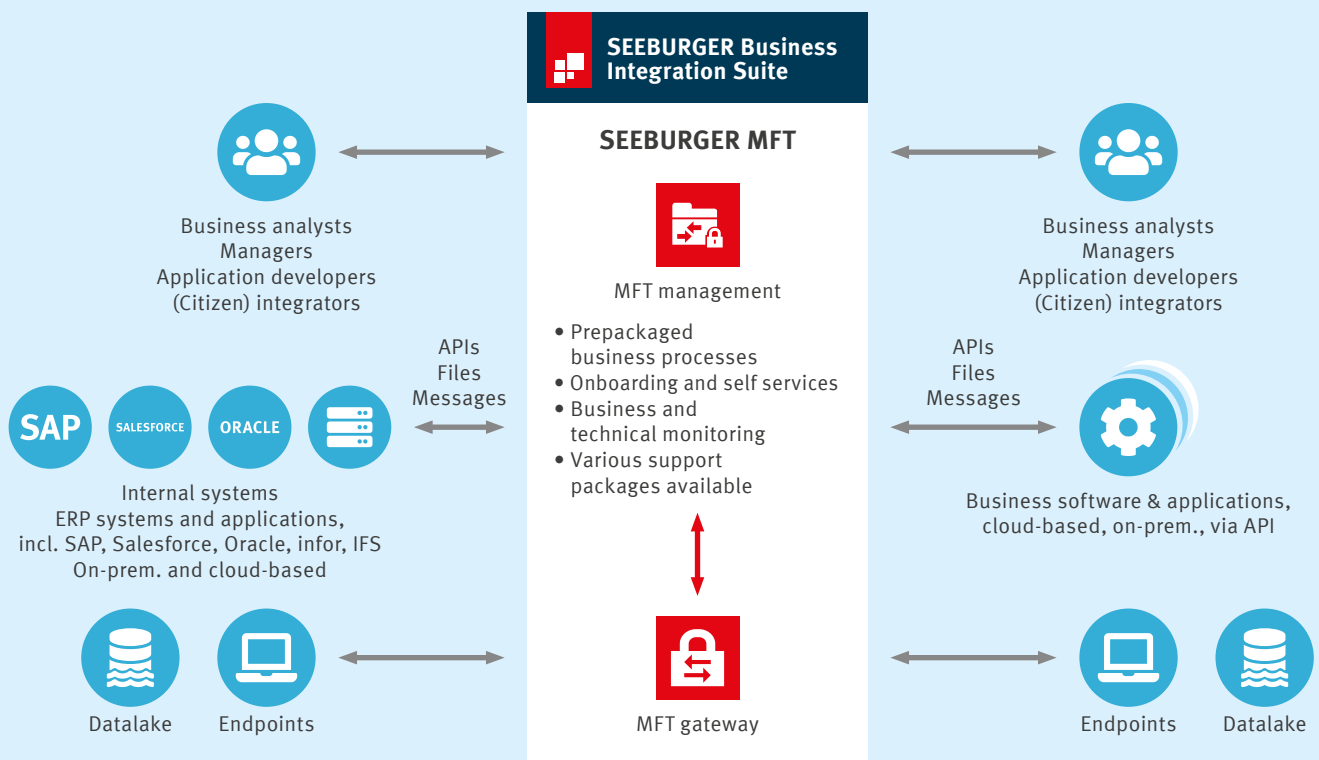
Managed file transfer (MFT) is a form of secure data transfer. SEEBURGER MFT sends data directly to an endpoint using a secure protocol. This endpoint may be for an application, device, or data storage solution. It may be to a partner's systems or a cloud, including SaaS. The data and/or transport is encrypted, and data can't be accessed during transmission. SEEBURGER MFT can send data of any volume, anywhere – securely, quickly and safely.

The SEEBURGER difference is that managed file transfer is just one of the many interlinked functions available on the SEEBURGER Business Integration Suite (BIS). SEEBURGER MFT can be booked as a single service or in combination with other integration capabilities, such as APIs, as and when your business requirements change or grow.

The SEEBURGER Business Integration Suite, the integration powerhouse enabling SEEBURGER MFT, is **available as fully-managed services from the SEEBURGER Cloud, or an on-premises installation in a private or public cloud of your choice**, or on your own hardware. **Don't have the resources to do everything on your own?** We also offer a hybrid operating model where you can offload more mundane tasks to SEEBURGER, while staying in full control of your own mappings.

Once the SEEBURGER Business Integration Suite is installed, **you can extend SEEBURGER Managed File Transfer at any time with API integration, data conversion for legacy or home-grown systems, pre-built connectors to SaaS applications, and so much more.** Whether you stay with classic MFT capability or expand into the clouds and beyond, you will benefit from **centralized, secure data transfer with in-built centralized monitoring and control, community management, self-services for onboarding, and a central repository of reusable connectors.**

SEEBURGER MFT gets structured and unstructured data of all types where it needs to go, in the format and through the protocols your endpoints need, at the speed and security your business requires.



Use and combine BIS MFT to securely send data anywhere, at any volume, in the format and through the protocols you require.

SEEBURGER Managed File Transfer at a glance

Infrastructure

- MFT is available as a cloud service, an on-premises (cloud or hardware) installation, or in a hybrid deployment model.
- Securely transfers data both within your network and to external endpoints, including other data centres and in the cloud.
- Quickly and easily scalable, both in volume and functionality.

Security (CIAAN)

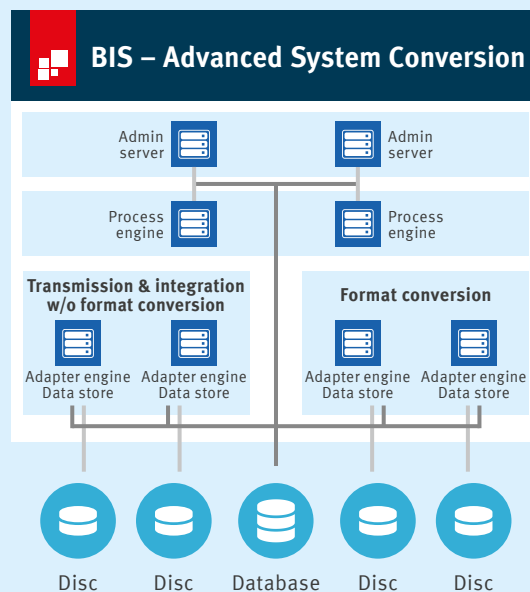
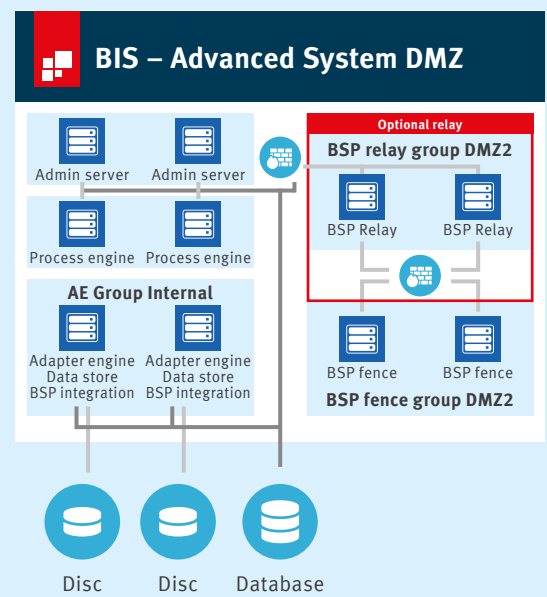
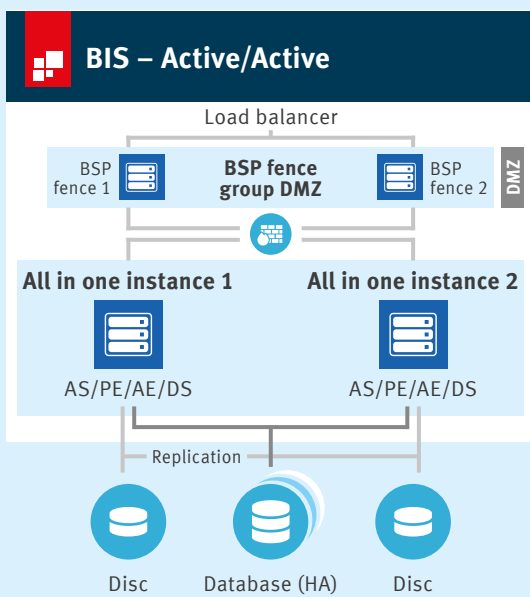
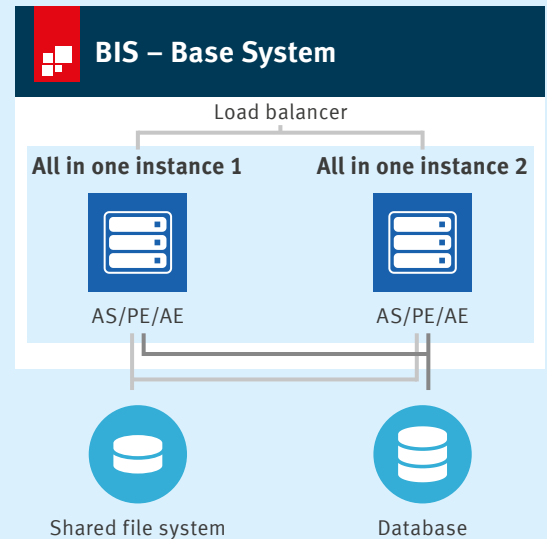
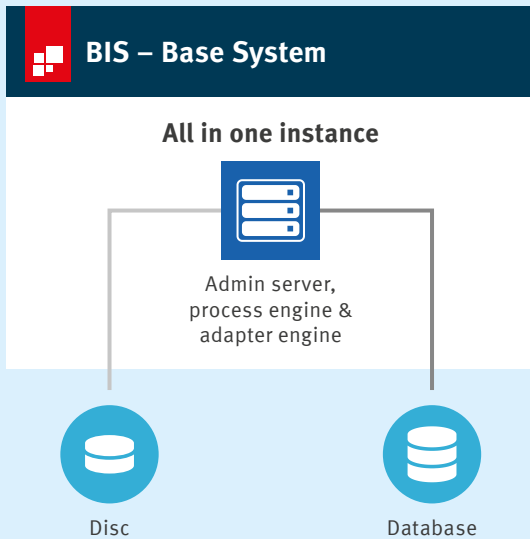
- Fully compliant and secure to industry standards.
- **Confidentiality:** build security profiles for each channel with an à-la-carte selection of ciphers, HSM support and secure proxies.
- **Integrity:** Message tracking enabled at technical, process and business level.
- **Integrity:** Smart retry for failed messages. Once the pre-packaged process monitor notices an endpoint is down, it parks affected messages and probes the defective connection at regular intervals before resending.
- **Availability:** A centralized solution, with traceability and availability across your ecosystem and beyond
- **Availability:** SEEBURGER BIS, which enables SEEBURGER MFT, supports active/active clustering for extremely high availability.
- **Non-repudiation:** Message tracking enabled at technical, process and business level.

Data capabilities

- Supports extremely high data transfer of several terabytes.
- Moves data through push, pull, scheduled sending, conditional routing, batch processes.
- Prioritizes critical messages – however you define critical.
- Integrates to anything, including APIs, cloud applications, legacy systems and data lakes.
- Take SEEBURGER MFT to the next level and use it for cloud or blob storage, message and event streaming

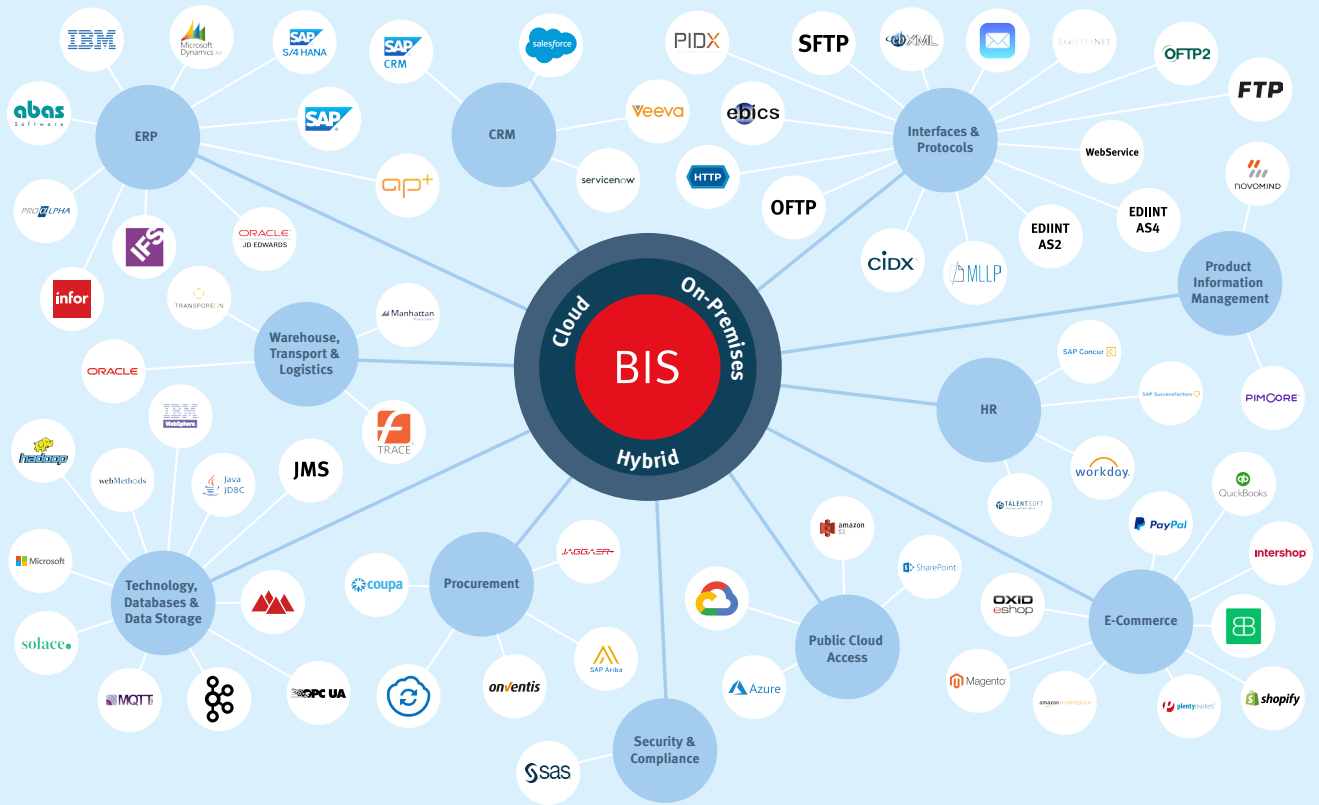
Usability

- Self-service enabled.
- Automated onboarding and maintenance through pre-packaged community management application.
- BIS Link, a lightweight Java-based MFT client which works on various common operating systems, means even partners without their own MFT infrastructure can securely transfer data with you. BIS Link also supports data conversion, if required.



AE = Application Engine AS = Admin Server BSP = BIS Secure Proxy DS = Data Store PE = Process Engine

The Business Integration Suite, the integration powerhouse enabling SEEBURGER MFT can be set up in a number of ways to ensure the scalability, availability and speed your organization needs.



Get your data anywhere, with out of the box connectors to data lakes, public clouds, SaaS applications and more.

Frequently asked questions



Non-repudiation and authentication

Does SEEBURGER MFT offer real-time visibility and audit logs of high volume file transfers and their workflows?

SEEBURGER MFT ensures non-repudiation through end-to-end monitoring at technical, process and business level. It keeps audit logs, and supports secure authentication mechanisms. This is all available at near real time.



Confidentiality and integrity

Would we compromise security and integrity by using SEEBURGER MFT across multiple environments e.g. for a segmented network or moving between cloud and on-premises?

SEEBURGER MFT can be augmented with out of the box communication adapters and cloud connectors. These all provide seamless communication and connections with end-to-end channel encryption and encryption at rest, even across environments. Security profiles for each protocol allow à la carte selection of ciphers, HSM support and secure proxies for segmented networks.

Availability

We need reliable 24/7 data transfer capability. How can SEEBURGER assure this with their MFT solution?

SEEBURGER MFT and all the other capabilities on the Business Integration Suite are available as fully-managed cloud services. This means that we at SEEBURGER are responsible for ensuring availability. We are also responsible for security and other updates to ensure there are no cyber-attacks or other security issues which could result in down-time. These issues can also be outsourced to us with an otherwise on-premises system in our hybrid operating model.

For an on-premises system, the powerhouse behind SEEBURGER MFT, SEEBURGER BIS, supports active/active clustering to ensure high availability.

At a process level, SEEBURGER MFT contains checkpoint restart, as well as a smart retry option which parks messages for a temporarily unavailable channel, regularly probes the connection and resends when back online.

Compliance

How does SEEBURGER MFT ensure regulatory and legal compliance?

SEEBURGER MFT is able to support regulatory requirements such as PCI-DSS, HIPAA, ISO 20022, ISAE 3402, PSD2 and GDPR initiatives, and is continually being developed to support any new arrivals to the compliance scene.

Integration patterns

Does SEEBURGER MFT support more complex integration patterns, such as over multi-cloud environments or to API-supported applications?

SEEBURGER MFT contains flexible out-of-the box functional actions. These include push, pull, scheduled, conditional routing, batch processes, data ingestions and integration to data lakes and data storage, API integration, and cloud connectors to configure data flows for any imaginable integration pattern.

Cloud readiness

How do you provide business continuity if we later migrate applications and users to a scalable and secure cloud infrastructure?

SEEBURGER MFT can be deployed seamlessly, whether on-premises or from your choice of cloud (AWS, Azure, GCP etc.). It contains out-of-the-box cloud connectors and MFT agents that support hybrid data movements. During migration, we can set up and run both scenarios, decoupling the on-premises instance when migration is complete.

Compatibility with legacy systems

How do you develop a cost effective strategy for connecting legacy systems?

SEEBURGER MFT uses the centralized BIS platform to connect a diverse set of back end systems, ERPs, CRMs, home grown back-office applications and API-enabled solutions, while securing your data transfers between multiple clouds, data centers and external parties.

Re-platforming

How do I migrate to the Business Integration Suite (BIS) from multiple legacy integration platforms?

SEEBURGER BIS provides migration tools for a cost-effective and risk-free migration. You can automate the migration of users and master data from multiple third-party integration solutions to SEEBURGER BIS and benefit from the platform's capabilities, including MFT.



Why not download our white paper, looking at MFT from a business perspective? Perfect for decision-makers who want to understand how managed file transfer improves business processes, productivity, compliance and ultimately the bottom line – profit.



