DATA SHEET

Axway SecureTransport

Unify your MFT gateway protocols to break away from complexity

Years of adding one-off file transfer connections to meet a specific need often equals a complex environment that lacks the flexibility, reliability, security, and traceability needed to support all your business scenarios and compliance requirements. Simplify the equation with SecureTransport.

As a multi-protocol, managed file transfer (MFT) gateway, SecureTransport provides the flexibility you need to support virtually any MFT use case. Leverage Axway Syncplicity to connect human-centric file sharing with system-oriented MFT. Secure, manage, and track file flows among people and applications inside your enterprise, beyond your firewall to your user communities, and in the cloud.

Perform high-volume automated file transfers between systems, sites, lines of business and external partners, to user-driven communications, folder- and portal-based file sharing.

With SecureTransport you can:

- Be ready for high-growth use cases by providing flexibility and autonomy for end users while maintaining corporate controls
- Weave MFT capabilities into digital applications and use cases using full REST APIs
- Push data securely to trading partners in real time
- Power ultra-high-end shared service bureaus to meet the demands of multiple business units and organizations in one scalable infrastructure
- Meet new file flow requirements with customized, multistep file handling and routing
- Reduce errors and time to business by provisioning users remotely using APIs
- Offer a complete service to the business by blending ad-hoc and system-centric use cases

- Overcome varying network characteristics and meet SLAs for international and cloud transfers with file transfer acceleration
- Use out-of-the-box plugins to connect with new object storage infrastructures: Amazon S3, Microsoft Azure, JMS, Hadoop
- Use integration plugin framework to build your own connector

The SecureTransport user interface provides visibility into all file transfer activities, including file tracking. And end-to-end monitoring, reporting, alerting and KPI/SLA management ensure you'll never miss another deadline because of a lost or corrupted file.

User-friendly governance and configuration capabilities, including delegated administration and predefined and configurable workflows, make SecureTransport an easy-to-implement alternative to high maintenance proprietary software, simple MFT gateways, unsecured public cloud services, and costly VANs and VPNs.

Performance you can count on

SecureTransport is the most scalable and resilient MFT product on the market, with fault-tolerance and high-availability capabilities to meet a wide range of capacity requirements.

SecureTransport offers:

- Guaranteed delivery, checkpoint/restart, resubmit, and near real-time document exchange
- Active/Active and Active/Passive deployments with standard clustering
- Zero downtime upgrades
- Service availability, elasticity, and scalability with enterprise clustering
- File transfer acceleration to meet established SLAs
- Support for containerized deployments in Docker/Kubernetes, for easy deployment management and improved resource efficiency

Security you can trust

SecureTransport offers end-to-end controls and clear visibility into your data regardless of the applications, systems, or platforms you and your trading partners have in place.

With SecureTransport:

- Data is secured in transit, never stored within the DMZ, and encrypted while at rest on the server, regardless of the underlying transport network
- Delegated administration, predefined and configurable workflows, and customer self-service offer ease of use as well as autonomy to manage individual requirements
- Strong audit trails protect against legal liability and demonstrate compliance with a wide range of industry and government mandates, such as HIPAA, SOX, PCI, GDPR and GLBA
- Transparent retention and archival policies for files, accounts, and transfer records ensure operational and regulatory compliance
- ICAP connectors enable out-of-the-box integration with DLP and anti-virus engines, providing added protection for files flowing through SecureTransport
- Integrate with existing corporate identity and access management infrastructure (LDAP, SAML, Kerberos, Radius, etc.)
- The API-accessible repository is fully encrypted to ensure that no content can be viewed — even in the event of a security breach. SecureTransport also supports a Hardware Security Module (HSM), which helps ensure PCI and GDPR compliance
- With Embedded Analytics for SecureTransport you can monitor file flows for SLA compliance and track KPIs in real time, and offer self-service visibility to business users and various IT roles

Functionality you can work with

SecureTransport integrates easily with your existing IT infrastructure and file transfer processes to leverage and preserve your investments.

SecureTransport helps you:

- Reduce configuration times and operational costs with a proven architecture for building loosely coupled, highly scalable applications
- Merge processes, data, and file transfers using event-driven workflow, rules-based file processing and multistep routing
- Integrate seamlessly with other MFT systems such as IBM Sterling Connect: Direct
- Offer consistent quality of service and interface to users and applications throughout your enterprise with Transfer CFT
- Integrate into other applications using SecureTransport's REST APIs

Doing business better

A single MFT gateway solution for connecting with your entire trading community improves the management of all file transfers, enhances business relationships, and reduces software, training and maintenance costs.

Operating from a single platform allows you to:

- Customize, manage and monitor, preprocessing, routing and post-processing steps with a single product; link file flows with a wide variety of related business processes
- Apply enterprise governance and security policies to ad hoc human-to-human, human-to-system, and system-to-system file transfers
- Administer, configure, monitor and analyze all file transfer activities and applications using real-time alerts, reports, and a web-based user interface
- Automate the flow of information (EDI, statements, images, CAD/CAM designs, etc.) with external partners, customers, suppliers, and regulatory bodies
- Communicate with your trading community over HTTP/S, FTP/S, SFTP and AS2; exchange files using Syncplicity, PeSIT, Amazon S3, Hadoop, Microsoft SharePoint, SMB, JMS, Google Cloud Storage and Google Drive, Azure File and Blob Storage; SecureTransport is interoperable with third-party clients
- Manage files using a web browser client app, featuring full accessibility compliance, branding, language localization, and address book capabilities

INTEGRATION	MANAGED FILE TRANSFER	TRUSTED NETWORK	DMZ	CLIENTS
• Connect:Direct • FTPS/SFTP Servers • Directory Servers • Email Servers • SNMP Monitors	• Advanced Routing • REST API Web Services • Ad Hoc File Transfer • Enhanced Analytics Using Embedded Analytics • Centralized Flow Management with Flow Manager	• SecureTransport Server • Data Security • Intelligent Routing • Email Integration • Encrypted Repository	• SecureTransport Edge • No Data Stored in DMZ	• Secure Client • Transfer CFT • Axway B2B Integration • Web Browsers • Standard FTP Clients • Standard SSH Clients • Unix Clients • AS2 Clients • Other Clients via REST APIs

Secure and flexible enhanced MFT gateway

SecureTransport provides a unified MFT solution that can accommodate diverse corporate, business unit, user, application, system, and trading community requirements.

Diverse file transfer scenarios

- **Multisite integration.** Move files between systems at different sites minimizing issues associated with multi-regional file transfers and interactions.
- **B2B processes.** Manage and secure multi-enterprise business processes with all business partners. Extend security, visibility and control beyond the enterprise firewall to include all parties involved in the interaction.
- **Application integration.** Move files between internal systems using standardized methods and tools in a peer-to-peer or hub-and-spoke model. Simplify application integration with a proven infrastructure that reduces configuration time and operational costs.
- **Portal-based file transfer.** Integrate SecureTransport with existing portals to provide audit and security features for file uploads and downloads.
- **Content Services.** Connect to new file storage systems and content collaboration platforms (CCP) using out-of-the-box connectors or by using a pre-built framework to develop your own.

High-end MFT scalability, redundancy, and performance

- **Standard clustering.** Enables Active/Active and Active/Passive deployments, with no dependency on an external database; provides efficiency and a low total cost of ownership for organizations that need redundancy and moderate scalability.
- **Enterprise clustering.** Goes beyond standard clustering by enabling organizations to leverage an external database, scale up to 20 processing nodes and virtually unlimited concurrent connections.
- **Containerized Deployments.** Optionally, deploy a SecureTransport Enterprise Cluster in containers (Docker / Kubernetes) to benefit from improved resource efficiency, automated scaling, easier deployment management and integration with your existing ITOps pipelines.
- **File transfer acceleration.** Enables high-volume transfer over high-speed networks to ensure data is delivered on time and within SLAs; utilizes pTCP and PeSIT protocols to accelerate the transfer of files between two SecureTransport servers and between a SecureTransport server and a Transfer CFT agent.
- **Delegated administration.** Enables consolidation of file transfer requirements from multiple business units, divisions or projects on one infrastructure. Delegated administration also allows autonomy for each business unit to manage its own needs, while ensuring the appropriate security levels to protect each division.

Integration

- Open and standards-based
- REST-based Web Service API model for managing file transfers, partners and other administrative tasks
- Open interface for building connectors to third party storage solutions
- Variety of prebuilt connectors to cover your integration needs:
  - File transfer service with websites using a generic HTTP/HTTPS connector
  - Exchange files directly with corporate data stores on NAS, Microsoft SharePoint (including SharePoint Online) and Microsoft OneDrive
  - Set up cloud file services using Amazon Web Services S3 connector and Azure Blob Storage connector
  - Fill big data stores directly using out-of-the-box Hadoop Connector and Azure Blob Storage connector
  - Syncplicity integration provides flexible delivery between applications and end users
- Rich set of application integration capabilities for merging enterprise infrastructure processes, data, and file transfer
- Multi-LDAP and SAML support for authentication
- Event-driven workflow
- OAuth 2.0 authentication providers integration
- Multistep, rules-based file processing and routing with templates
- Meta data management

Management

- Intuitive interface for visibility into all file transfer activities, with hierarchical package tracking
- Central management of flows across the enterprise from Axway Flow Manager
- Delegated administration powers MFT shared service, distributing administrative tasks by business unit and role
- End-to-end monitoring, reporting, alerting, and KPI/SLA management
- Optimized process automation
- Use of existing identity stores via LDAP and SAML
- Transparent enforcement of security policy across all file movement activities

Security and compliance

- Document and repository encryption is transparent to the user
- Out-of-the-box, standard-based PGP encryption and signature
- Secured connections for transmission of critical business data across the internet
- Strong audit trails
- Centralized retention and archival policies for files, accounts, and transfer records
- Integration with DLP and anti-virus engines through ICAP

Authenticated partner access

- Data integrity checks
- Non-repudiation of origin and receipt using signed digital receipts
- Secure data streaming across the DMZ with SecureTransport Edge
- Role-based trading community management features, including delegated administration for distributing community management/monitoring tasks
- Flexible partner communication
- Inexpensive, secure endpoint clients are easy to deploy and use

Value-added options

More than a typical MFT gateway, SecureTransport offers ultra-high-end MFT functionality that ensures business continuity, provides extended availability, supports shared services, and accommodates high volumes and peak loads.

Delivery options

- VMWare virtual appliance
- Licensed software
- Cloud SaaS
- Docker container

Platforms

- Red Hat Enterprise Linux 7 and 8
- Suse Linux Enterprise Server 12
- Oracle Linux 7 and 8
- CentOS 7
- Windows Server 2012 R2, 2016, 2019
- IBM AIX 7.1 and 7.2 (WPAR/LPAR)

External Databases for Enterprise Clustering Option

- Oracle DB 12c, 18c, 19c Enterprise Edition (with Oracle RAC)
- Microsoft SQL Server 2016, 2017, 2019 Standard and Enterprise Editions
- PostgreSQL 12

Endpoints

- REST API interface
- SecureTransport Web Client (HTML5) (included)

Standards Protocols

- IPv6
- pTCP with PeSIT
- SFTP and FTP/S
- HTTP and HTTP/S
- AS2 (Certified annually by the Drummond Group)
- FIPS 140-2 SSL/TLS
- SMB v2 and v3

Enterprise clustering

- Linearly scale to 20 nodes, providing nearly unlimited capacity.
- Gain elastic scalability in physical and virtual deployments by adding capacity to support peak loads and/or unplanned growth. Adding and removing nodes doesn't require downtime.
- Improve resiliency/disaster recovery with more nodes in service and faster recovery times.
- Advanced capabilities include automated node management and recovery, dynamic and policy-based load configuration and tuning, and automated server health monitoring.

Ad hoc human communications

- Integration with Axway Syncplicity provides a comprehensive solution to both human centric and automated file transfers. The combined solution provides comprehensive coverage for automated file transfers and human-to-human file sharing use cases.
- Enable end users to send files of any size and any type at any time to anyone.
- Manage system-to-human and human-to-human file delivery.
- Enable secure and auditable file transfer via portals and shared folders.
- Establish policies to control file access and movement, create audit trails, and ensure regulatory compliance.

Deployment choice

- Select the deployment model that best fits your needs: fully on-premises, in a private or public Cloud, or available as a managed service with Axway Managed Cloud Services
- Centralized administration of complete MFT ecosystem using Flow Manager, irrespective of the deployment choice for SecureTransport

Business and IT self-service capabilities

- Provide rich self-service capabilities to IT and business users by leveraging the integration with Flow Manager, reducing the flow creation and deployment time by up to 90% and reducing the burden on IT to meet the needs of the business
- Enable IT to create and manage flow templates, ensuring consistency and security across all transfers
- Enable business users to quickly and easily create new flows from the templates, and deploy to SecureTransport for execution

File Systems

- NFS
- OCFS
- NTFS
- GPFS
- GlusterFS
- GFS
- Amazon EFS

Connectors

- SMB v2 and v3
- Message queues via JMS
- Google Cloud Storage
- Google Drive Storage
- Azure File Storage
- Azure Blob Storage
- Microsoft SharePoint
- Amazon S3
- Syncplicity
- Apache Hadoop
- Microsoft OneDrive

Discover how to make your MFT capabilities more flexible and secure

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