Axway SecureTransport

Enhanced Managed File Transfer Gateway

To compete in today's challenging global marketplace, organizations need to exchange of a sea of information with business partners, suppliers, customers and regulatory bodies around the world. For many, years of adding one-off file-transfer connections to meet specific needs has created a complex environment that lacks the flexibility, reliability, security and traceability required to meet the ever-changing demands of the business.

Axway SecureTransport is an enhanced multi-protocol Managed File Transfer (MFT) gateway solution that enables organizations to secure, manage, and track the transfer of files inside and outside the enterprise firewall in support of both mission-critical business processes and ad hoc human transactions. Designed to handle everything from high-volume automated file transfers between systems, sites, lines of business and external partners, to user-driven ad hoc communications, to portal-based file exchange, SecureTransport supports the full gamut of file transfer scenarios while satisfying stringent security, policy and regulatory compliance requirements.

Serving as an MFT gateway, SecureTransport can:

- Accelerate and manage movement of files (push or pull) and host files in secure mailboxes or folders.
- Push data securely to trading partners in real time.
- Support ultra-high-end shared service bureaus to meet the demands of multiple business units and organizations in one scalable infrastructure.
- Provide a configurable workflow for flexible and dynamic file handling and routing.

Additionally, user-friendly governance and configuration capabilities — including delegated administration and pre-defined and configurable workflows — make SecureTransport a secure, easy-to-implement and easy-to-use alternative to high-maintenance proprietary file transfer software, simple MFT gateways, and costly VANs and VPNs.

Key Features & Benefits

High-end performance, scalability, and reliability
SecureTransport is the most scalable and resilient MFT product on the market, with both Standard Clustering and Large Enterprise Clustering models to meet a wide range of capacity requirements.

- Guaranteed delivery, checkpoint/restart, resubmit, and near real-time document exchange (as opposed to batch or once daily) ensure that file transfers keep pace with your business.
- Standard Clustering enables Active/Active and Active/Passive deployments, with no dependency on an external database
- Large Enterprise Clustering ensures service availability, provides elasticity and can scale up to 20 nodes — with virtually unlimited concurrent connections while leveraging an external database.
- File Transfer Acceleration enables the transfer of high volumes of data to ensure files are delivered on-time and within SLAs established by the business. Secure Transport utilizes pTCP with PeSIT protocols to accelerate the transfer of files between two SecureTransport servers and between a SecureTransport server and an Axway Transfer CFT server.
- A native 64-bit architecture scales to support increasing data volumes, expansion across multiple business units, and growing customer and partner communities. (There are no limits on document size.)

Industry-leading security and governance
SecureTransport delivers end-to-end controls and clear visibility into when and where data is traveling inside and outside your enterprise firewall — no matter what applications, systems, or platforms you and your trading partners have in place.

- Data is secured in transit, never stored within the DMZ, and stored encrypted while at rest on the server, regardless of the underlying transport network.
- Delegated administration and customer self-service give business units and end users the autonomy to manage their own 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, SEPA and GLBA.
- You can manage, track, and audit file transfers with SecureTransport and add Axway Sentinel to monitor business performance against SLAs, track KPIs in real time, and offer self-service capabilities to your customers.
- The repository is accessible via an API and is fully encrypted to ensure that no content can be viewed even in the event of a security breach. SecureTransport also supports Hardware Support Modules (HSM), which help ensure PCI compliance.
- User-friendly governance and configuration capabilities include delegated administration and pre-defined and configurable workflows.

Integration and interoperability with existing infrastructures
Secure Transport integrates easily with your existing IT infrastructure and file transfer processes to leverage and preserve your investments.

- Reduce configuration time and cost and lower ongoing operational costs with a proven architecture for building loosely coupled, highly scalable applications.
- Use the REST-based Web Services API framework and other integration capabilities to merge processes, data, and file transfers using event-driven workflow, rules-based file processing and routing, and seamless integration with other MFT systems such as Sterling Commerce Connect:Direct (NDM).
- Integration with Axway Transfer CFT, a non-intrusive multi-platform file and message transfer controller, ensures the same quality of service and a uniform interface to users and applications throughout the enterprise.

Easy-to-use and easy-to-implement
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.

- Enable ad hoc human-to-human, human-to-system, and system-to system file transfers with the same high level of security and standards expected of enterprise-grade software solutions.
- A Web-based user interface consolidates all facets of administration, configuration, monitoring, and analysis of file transfer activities and applications with real-time reports and alerts.
- Automate the flow of information (EDI, statements, images, CAD/CAM designs, etc.) with external partners, customers, suppliers, and regulatory bodies — without the high cost of VANs/VPNs, additional infrastructure or proprietary software.
- Leverage the Internet to communicate with your trading community over HTTP/S, FTP/S, SSH, SFTP and AS2. SecureTransport is also interoperable with third-party clients.
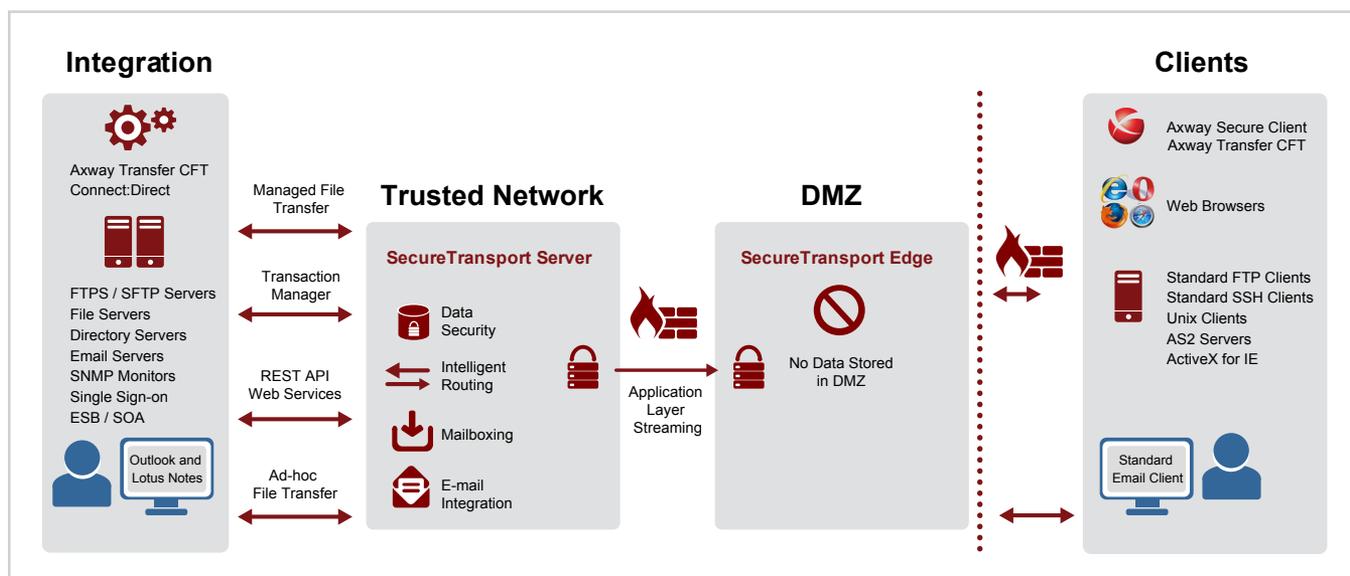
Secure and Flexible Enhanced MFT Gateway

With massive scalability and flexible security, management, integration, and trading community functionality, SecureTransport provides a unified MFT solution that can accommodate diverse corporate, business unit, user, application, system and trading community requirements.

Diverse file transfer scenarios

- **Multi-site integration** — Move files between systems across sites, such as corporate-to-store or bank-to-branch, and transparently address the issues associated with multi-regional file transfers and interactions.

- **B2B processes** — Manage and secure multi-enterprise business processes with partners, suppliers, customers, financial institutions, and regulatory bodies. SecureTransport extends 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. SecureTransport simplifies application integration with a robust and proven infrastructure that reduces configuration time and cost and lowers ongoing operational costs.

- **Portal-based file transfer** — Integrate SecureTransport with existing portals to provide audit and security features for file uploads and downloads.

- **Ad hoc human communications** — Enable secure and auditable unplanned file transfer via Lotus Notes or Outlook (plug-ins required), or Web-based interface (included).

System Specifications

Delivery options
Amazon EC2 virtual appliance

Hardened Linux appliance

Licensed software

Cloud SaaS

Platforms
Red Hat Enterprise Linux 5.x, 6.x

SUSE 10 SP3, 11

Solaris 10

Windows 2008 R2

AIX 6.1, 7.1

Endpoints
Axway Secure Client

Web 2.0 interface

3 HTML templates (included)

Other compliant third-party clients

Standards & protocols
IPv6

UDT and PTCP with PeSIT

SFTP and FTP/S

HTTP and HTTP/S

AS2*

FIPS 140-2

SSL/TLS

Certified annually by the Drummond Group

High-end MFT scalability, redundancy and performance

- **Standard Clustering** enables Active/Active and Active/Passive deployments, with no dependency on an external database. This option provides efficiency and a low total cost of ownership for organizations that need both redundancy and scalability.

- **Large Enterprise Clustering** goes beyond Standard Clustering by enabling organizations to leverage an external database to scale up to 20 nodes and virtually unlimited concurrent connections. *<See below for more information on this add-on capability.>*

- **File Transfer Acceleration** enables high-volume transfer over high-speed networks to ensure that data is delivered on time and within the SLAs established by the business. Secure Transport utilizes UDT and pTCP with PeSIT protocols to accelerate the transfer of files between two SecureTransport servers and between a SecureTransport server and an Axway Transfer CFT server.

- **Delegated Administration** enables consolidation of file-transfer requirements from multiple business units, divisions or projects on one infrastructure while also allowing assignment and autonomy for managers from different business units and the appropriate security levels to protect each division.

Integration

- Open and standards-based

- REST-based Web Service API model for managing file transfers and partners

- Rich set of application integration capabilities for merging enterprise infrastructure processes, data, and file transfer

- Multi-LDAP support and LDAP mapping

- Event-driven workflow

- Rules-based file processing and routing

- File system abstraction layer

- Meta data management

Management

- Intuitive graphical user interface for visibility into all file transfer activities, with hierarchical package tracking

- Delegated administration distributes administrative tasks by business unit and function

- End-to-end monitoring, reporting, alerting, and KPI/SLA management

- Optimized process automation

- Utilization of existing identity stores

- Transparent enforcement of security policy across all file movement activities

Security and compliance

- Document and repository encryption is transparent to the user

- Secured connections for transmission of critical business data across the Internet

- Strong audit trails

- Authenticated partner access

- Data integrity checks

- Non-repudiation of origin and receipt using signed digital receipts

- Secure data streaming across the DMZ with Axway Edge

Community
- Role-based trading community management features, including delegated administration for distributing community management/monitoring tasks

- Flexible partner communication

- Inexpensive, secure, easy to deploy and use endpoint clients

Value-added Options

Much more than a typical MFT gateway, SecureTransport offers ultra-high-end MFT functionality that can ensure business continuity, support shared services, and accommodate extremely high volumes and peak loads.

Large Enterprise Clustering
- Scale to 20 nodes with up to a 200 percent performance improvement per node over standard clustering.

- Gain elastic scalability in physical and virtual deployments by adding capacity to support peak loads and/or unplanned growth. Adding nodes does not require downtime for the cluster.

- Use policy-based load distribution to isolate lines of business and server tasks in different parts of the cluster.

- 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
- Enable secure and auditable unplanned file transfer via Lotus Notes or Outlook (plug-ins required), or Web-based interface (included).

- Combine the personalization and interactivity of e-mail with strong security features to exchange confidential content safely with any Internet user.

- Create a valuable two-way communications channel that creates stronger relationships with customers and partners, differentiates your services from the competition, and reduces the cost of sending and receiving sensitive information.

- Establish policies to control file access and movement, create audit trails, and ensure regulatory compliance.

- Offload attachments to enable secure systematic delivery of data. SecureTransport sends notifications via email and delivers files via a secure channel.

- Provide Web-based file-transfer services that connect people with your business through easy-to-use portals.
- Enable users to transfer files from their computers or networks to a SecureTransport server and create, delete, and rename folders on the server.
- Keep information in the format in which it originates, with no additional overhead for converting, printing, or packaging.

Axway Transfer CFT

Axway Transfer CFT is a non-intrusive, multi-platform Managed File Transfer (MFT) solution that enables users to transfer and track files securely and reliably between disparate hardware/software platforms within internal A2A and multi-site (e.g. store-to-corporate, bank-to-branch) environments. Transfer CFT can operate in different modes (e.g. peer-to-peer and hub-and-spoke) and support multiple types of internal file transfers (e.g. 1:1, 1:N (broadcast), N:1 (collect)). To deal with legacy heterogeneity, Axway Transfer CFT provides inherent data-conversion capabilities across more than 20 different platforms, including Windows, UNIX, Linux, mainframes and the AS400.

Axway Edge for SecureTransport

Axway Edge protects data in motion by preventing storage of sensitive information in the DMZ. With Axway Edge, you can deploy SecureTransport behind your internal firewall in a protected network, securing TCP/IP connections coming from the Internet to SecureTransport, and vice versa. You can deploy multiple Edge gateways in the DMZ for load balancing and performance optimization.

Axway Secure Client

Designed to operate with an RFC-compliant server, Axway Secure Client is a standalone FTP/S, HTTP/S, and SSH client that enables users to transfer any size file with full security and reliability, either manually or using scheduled, automated batch transfers and application scripts.

Learn More

To learn more about how Axway SecureTransport can help your organization consolidate disparate file transfer systems and proprietary solutions, and replace costly VANs and VPN connections, email us at axwaysolutions@axway.com or visit us at www.axway.com/contact-us.

For More Information, visit www.axway.com

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