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Axway Transfer CFT

Easily govern high-volume data flow across enterprise multi-sites and platforms

Transfer CFT is an enterprise-ready, multi-platform file transfer controller that ensures consistent quality of service and a uniform interface for applications across widely distributed organizations — regardless of the underlying platforms. It is nonintrusive and reduces the design, implementation, and operations costs associated with governing the flow of data for critical multi-site business processes.

Transfer CFT is integrated with Flow Manager, an innovative software solution that provides a single user interface for the centralized management of a customer's complete Axway Managed File Transfer ecosystem. This reduces operational management costs and eliminates middleware configuration errors and inconsistencies by centralizing and simplifying all aspects of Transfer CFT installation, configuration and management. Flow Manager also permits rapid response to changing business requirements by providing self-service capabilities for business users, allowing business users to quickly and easily create and deploy flows with no need for IT involvement, resulting in consistency and faster time to revenue.

KEY FEATURES AND BENEFITS	
Reliable performance Transfer CFT is more dependable, manageable, and scalable than conventional, application-based file transfer approaches	• Eliminate all latencies for fast, straight-through processing (STP) • Maintain consistent data for all interacting mission-critical applications and processes with just-in-time processing (event-driven or conventional schedule-based) • Automate processes with guaranteed delivery and checkpoint/restart; end-to-end acknowledgment at both the transfer and application levels guarantees reliability and supports business sustainability • Utilize multi-node (active/active) clustering to enable high availability and horizontal scalability to file transfer capabilities for sustaining private cloud initiatives • Support reliable exchange of multi-terabytes files • Establish priority of transfer for certain files (incoming and outgoing) by controlling network bandwidth based on predefined attributes and classes of service, such as type of partner, time of transfer, or nature of transfer • Scale up to hundreds of simultaneous transfers at the node level to perform multiple tasks in parallel • Optimize bandwidth and accelerate transfer of large files with Axway's File Transfer Acceleration option for Transfer CFT, and successfully handle big-latency or large-band networks
Integration and interoperability with existing infrastructures	• Easily trigger file transfers using the REST API framework from applications, job schedulers, folder monitoring, and Enterprise Service Bus (ESB) • Interface with applications using REST, C, Java, Cobol API • Leverage shared disk capabilities to ensure consistent, reliable, and managed file sharing between applications • Supports PeSIT and SFTP protocols

KEY FEATURES AND BENEFITS	
Core functionality	• Transfer CFT is more flexible, manageable, scalable, and secure, than conventional, application-based file transfer approaches. It is the only internal managed file transfer (MFT) solution available today that provides the robust capabilities usually found only in external MFT solutions, enabling organizations to securely transfer and track files between disparate hardware and software platforms without application rewrites. • Transfer CFT works in a server mode as well as a client mode and is able to process file transfers using push, pull, broadcasting, store and forward, and peer-to-peer exchange patterns. • With an emphasis on business flexibility, visibility, scalable governance, and reliable performance, Transfer CFT allows you to consolidate diverse platforms to a unified, centralized and secure framework for better control over your internal operations.
Adapt to changing requirements Centralized configuration enables dynamic adaptation, and extensibility guarantees easy solution upgrades and support for current and future standards	• Inherent data-conversion capabilities support file and message exchange across more than 20 platforms, including Windows, UNIX and Linux, mainframes and IBM i. • Apply configurable strategies for connection retries, checkpoint/restart, and backup paths. • Submit new transfer requests through file deposit or from REST APIs, Web Services invocation, Docker containers, Java classes, C/Cobol APIs, or a command-line interface. • Create Transfer CFT "farms" in support of data-center consolidation and private cloud requirements. • Amazon S3 and Ceph object storage capability for on-the-fly storage of transferred files on the cloud. • Synchronize file transfer processing steps to adapt complex and global supply chain calling for JIT/JIS (Just In Time/Just In Sequence). • Integrate Transfer CFT with third-party products to create a solution tailor-made for your specific IT environment and business requirements. Transfer CFT works in tandem with existing B2B gateways using complementary functionality.

KEY FEATURES AND BENEFITS

Protect sensitive data Data is secured at rest and in transit, within and across the firewall	• Rich API and UI functionality, including PKI certificate management, Transfer CFT start/stop, and node management • Transfer dashboard on UI home page for rapid status overview • TLS-secured connections ensure the authentication of connected endpoints, as well as the integrity and confidentiality of exchanged data • Pre- and post-processing capabilities enable managed security steps such as data encryption in transit using third-party PGP or S/MIME libraries or file scanning for viruses and/or data leak protection using third-party solutions • Built-in cryptographic file integrity testing, user authentication, encrypted transfer and centralized audit trails ensure non-repudiation of origin • Includes cipher suite completion (TLS Elliptic Curve, AES-256, SHA-256/384), and enhanced certificate support (SHA-2 types: SHA-256 to SHA-512) • SAML 2.0 support (Windows, Unix, z/OS and HP NonStop)
DMZ security Axway Secure Relay is natively integrated with Transfer CFT, acting as a DMZ proxy to protect data, customers, and networks while enabling critical file-transfer services between authorized parties	• Deploy Transfer CFT behind the internal firewall in a protected network, securing TCP/IP connections coming from the Internet to the internal network, and vice versa • Prevent storage of sensitive information in DMZ, adding another layer of security to data as it flows to and from the internet through your firewall • With Secure Relay, all TCP sessions are outbound, allowing bidirectional, real-time data flow with no data storage in the DMZ • Secure Relay receives all configuration setup directly from Transfer CFT, and all file transfer dialog (protocol, authentication, etc.) is handled by the relay, avoiding any permanent or temporary storage of critical info in the DMZ, including files, configuration information (such as keys and certificates), and critical back-end processing (such as digital signing or envelope decryption) • Secure Relay support for PeSIT and SFTP

KEY FEATURES AND BENEFITS	
Visibility and audit trails Business-oriented monitoring on transfer services, end-to-end visibility and control are available out of the box and adaptable for both business manager and IT staff	• Add predefined dashboards to track and react to data-exchange events across all major networks, mainframes, servers, desktops, and software applications • Consolidate real-time file transfer information from your mainframe, IBM i, ERP and other systems to gain critical insight into business processes and protect against accidental data leakage and loss • Improve quality of service and reduce costs over your entire data exchange environment by detecting and correcting file transfer malfunctions in real time, before they become critical • Ensure compliance with regulations that require audit of transfers, security, and access • Monitor the status of a flow of data at each step of a business process in fine-grained detail, including progress of large file transfers, space remaining on servers, and more
Speed deployment, reduce costs and optimize IT resources With Flow Manager, Transfer CFT optimizes usage of IT resources and infrastructure and helps minimize labor-intensive, break-and-fix procedures	• Speed data flow deployment, thereby reducing response time to new business requirements, with a Data Flow Repository for managing end-to-end data flow definitions. • Gain out-of-the-box visibility into data flows that drive business interactions. Dashboards and alerts make it easy to monitor and analyze components and data flows, speeding problem resolution and improving responsiveness across lines of business by reducing dependence on IT. • Eliminate configuration errors and inconsistencies by automatically generating configuration parameters from the data flow definitions in the repository and providing full control of the configuration deployment. Self-registration is available for any node on the central monitoring platform. • Drastically reduce operational management complexity and cost using a central console for executing day-to-day tasks. • Provide SMP/E packaging for z/OS. • Provide Docker configuration files package, for Transfer CFT in a Docker container deployment.

KEY FEATURES AND BENEFITS

Scalable governance

Easily govern your large installed base of Transfer CFT instances and quickly adapt to changes with central controls for massive deployments

- Use Flow Manager for scalable, automated, transparent, "labor-free" configuration that makes large deployments of Transfer CFT easy to operate and configure
- Enable self-registration (for immediate onboarding of new nodes) and centralize management to maintain thousands of instances with hundreds of combined applications, configurations, and files
- Simplify data security with automated issuance and lifecycle management of certificates
- Easily create and manage groups of any size for greater control of and visibility into all file transfers — group and view by country, division, and more
- Using Flow Manager, configure all instances of Transfer CFT and related flows from a single user interface
- Deploy multiple configurations of Transfer CFT across your large installed base all at once, with one click
- Reduce IT workloads by leveraging easy, centralized patches and service packs deployments on a massive scale
- For IT automation purposes, all flow governance features are available through APIs

System Specifications

Delivery options
- Subscription or Licensed software

Platforms
- AIX-power-64
- HP-UX-ia64-64, HP-UX-PA-RISC-64
- Linux-ia64-64, Linux-s390-64, Linux-x86-64
- Sun-SPARC-64, Sun-x86-64
- Win-x86-64
- z/OS (formerly MVS)
- IBM i (formerly OS/400)
- VMS-Alpha, VMS-ia64
- HP NonStop OS (formerly NSK Guardian)

Shared file systems support for multi-node
- GPFS
- NFSv4
- GFS2
- CIFS (for Windows)
- Sharing DASD across Sysplex (for z/OS)
- AWS EFS
- AWS S3
- Google Cloud

Cloud platforms
- Amazon AWS
- Microsoft Azure
- Google Cloud

Discover how to simplify your complicated data flow

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