



Sterling Integrator 5.1

Guide to What's New

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Sterling Integrator 5.1

The pages below outline important new features to Sterling Integrator 5.1, as well as updates to existing features that our customers have requested.

About Sterling Integrator:

Sterling Integrator is designed to enable enterprise agility. For enterprises, agility facilitates synchronization between business partners, suppliers, vendors, service organizations, and even customers. Whether global or local, we need to supply each of our customers what they need when they need it.

Collaboration between businesses is a key component of this success. The business owners demand tight relationships to exact maximum value from a partnership. The underlying B2B infrastructure needs to support and even enhance the needs of this relationship.

In the past we have primarily used B2B as a way to decrease costs by automating or eliminating manual processes. Now, many forward-looking companies are deploying B2B technologies that give them greater visibility and insight into their business, and then they are exploiting that visibility to create a sustainable competitive advantage and grow earnings.

Sterling Integrator 5.1 is a continuation of Sterling Commerce's efforts to assist customers in gaining greater visibility into their business and that of their business partners.

Adapter Enhancements

Open Services Gateway Initiative (OSGi)

Sterling Integrator 5.1 now has the ability to deploy key adapters in separate JVMs

- Key communications adapters can now be instantiated in their own JVMs
 - With 5.1, the following adapters can now be instantiated in a separate JVM
 - HTTP and HTTP(S)
 - FTP and FTP(S)
 - SFTP
 - CDSA
 - Improves stability
 - Exceptions can now be isolated to one JVM and not impact other JVMs
 - Improves performance management
 - Enables customers to allocate dedicated memory to individual adapters as required for performance or scalability reasons
 - Ensures that key communications processes are not impacted by high memory demands from other Sterling Integrator processes

FTP Adapter

Sterling Integrator 5.1 features a number of enhancements for FTP adapter functionality. Enhancements include:

- Support for more commands from the RFC 959
 - Adding - STOU, RMD, MKD, REIN, APPE, STAT, ALLO, SITE (PSWD, WHO ZONE), TYPE E (EBCDIC Mode), TYPE L
- Improved security and policy management
 - New lockout policy which helps prevent denial of attack
 - Command Limitations by IP address or User Name
 - Prioritized IP-based bandwidth throttling to manage bandwidth
 - Added support for admin username change
 - Additional monitoring and logging events for receive file, send file, error, command, and authenticate

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- Interoperability with popular FTP servers
 - vsFTP, WS-FTP, Filezilla, Apache FTP Server, WU-FTP, and ProFTP
- Support for FTP Server (IPv6) communication with IPv6 clients

JMS Adapter

Sterling Integrator 5.1 features a number of enhancements for JMS adapter functionality. Enhancements include:

- Improved adapter performance
 - Support for pooling of JMS connections and sessions
- Improved Security
 - Support for SSL over JMS
- New features
 - Support for Request Reply pattern
 - Support for custom class loading
 - Support for Message Selectors, Durable Subscribers, support for transactions in Asynchronous mode and support for FIFO (receive only)
- Compliance with JMS spec 1.1

Connect:Direct Server Adapter

Sterling Integrator 5.1 features a number of enhancements for the Connect:Direct Server adapter. Enhancements include:

- Support for C:D z/OS Copy To parameters. Documented in the Process Guide for C:D z/OS
- Support for short term retry similar to Connect:Direct for Unix
- Automatic retry upon session loss
- Allows checking on node and/or IP address or allows a specific IP address
- Allows the user to implement a netmap change without restarting the adapter
- Providing a similar function to the “Wait” logical queue within the Connect:Direct Transmission Control Queue
- Allows users the ability to specify a list of message ID’s that will cause the CDSA to retry a copy step (for example, file allocation retries)

SFTP Adapter

Sterling Integrator 5.1 features a number of enhancements for SFTP adapter functionality. Enhancements include:

- Improved Security and Policy Management

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- Command Limitations by IP address or User Name
- Lockout support
 - Provides lockout after a certain number of attempts and prevents brute force attacks
- IP address bandwidth throttling policy
 - Controls bandwidth access for each partner to avoid outages
- Limits the inbound data a trading partner (IP range) can transfer
- Directory support for FTP payload
 - Data is stored and picked up directly from the disc

AS2 Enhancements

Sterling Integrator 5.1 features a number of enhancements for AS2 functionality. Enhancements include:

- Ability to setup multiple AS2 organizations
 - Ability to create more than one organizations through the AS2 wizard
 - Ability to create multiple organization and partner profiles for the same identity
- Ability to test HTTP and AS2 configurations for
 - IP address and HTTP URL validity
 - Ability to connect using SSL certificate
 - Authentication as a client to your partner’s server
 - Signing Cert and Encryption Certificate validation
 - Sending an AS2 message and receiving a corresponding MDN

General Enhancements

Sterling Integrator 5.1 features a number of general enhancements in the product. Enhancements include:

- Certificate and Key import utility
 - Point the system to a URL/ IP & Port to import SSL certificate or SSH Key from Trading Partner
- Inline comments in property files

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- Property files will contain inline comments instead of separately maintained files
- Multiple SSH key support for a single user
 - Similar to multiple SSL certificate capability launched with SI 5.0 last year
- Performance Improvements
 - Initial tests indicate up to 50% improvement for SFTP and FTP(S)
 - Enhancements were made to connection pooling and thread management
 - Perimeter server overhead has been reduced significantly
 - Performance enhancements made specifically for Oracle RAC implementations
- Upgrade Improvements
 - Install wizard pre-check optimization for upgrade
 - A new utility to check for common upgrade issues prior to upgrade
 - Improved Upgrade Guide

Standards Enhancements

Sterling Integrator 5.1 features a number of enhancements to the Standards releases:

- Map Editor support for Windows 7
- Translation reports output in XML format
- New SPEC2000
 - A standard used widely in aviation
 - SPEC2000 enveloping support
 - Support for both XML and delimited formats
- Financial Services Standards updates
 - SWIFT – Annual updates to SWIFT support (SR2010 support)
- RosettaNet visibility enhancements
 - Improved administration dashboard, including:
 - Search filters and results updated with additional information specific to RosettaNet, including: PIP code, PIP version, PIP Instance ID
 - Search results

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- Search results for PIP0A1 link to the PIP instance that originated the PIP0A1
- PIP instance details (for selected PIP instance)
- RosettaNet visibility and reporting
 - New reports
 - PIP report
 - Notification of Failure 0A1 report

System Environments

Sterling Integrator 5.1 will support a number of new platforms

- Windows Server 2008 will be supported
- SQL Server 2008 will be supported
- Sterling Integrator 5.1 supports client-side tools on Windows 7

For a detailed list of supported operating systems, databases and JDKs please refer to the *Systems Requirement* section in the product documentation.

<http://www.sterlingcommerce.com/Documentation/SI51/homepage.htm>

MySQL Policy Changes

Sterling Commerce no longer provides a prepackaged licensed installation for MySQL. Customers who use Sterling Integrator with the bundled MySQL database who plan on upgrading to SI 5.1 should:

1. Obtain the MySQL Enterprise Server installation package and license directly from Oracle.
2. Before installing Sterling Integrator 5.1, install the supported MySQL Enterprise database.

Sterling Integrator 5.1 will support MySQL Enterprise Server are 5.1.45 or higher within version 5.1.XX