Sterling B2B Integrator

IBM

Working with Property Files

Version 5.2

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Contents

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Property files contain values that control the operation of IBM® Sterling B2B Integrator.

By modifying the settings of these properties, you can customize Sterling B2B Integrator to suit your business needs. Property files are located in the *install_dir*/properties (UNIX) directory or the *install_dir*\properties (Windows) directory and are usually named in the following manner: *filename*.properties. Some files have other suffixes including .xml, .xsl, .cfg, and .ini. Substitute the appropriate suffix for properties when needed.

CAUTION:
Because property files directly affect operations, ensure that you fully understand the impact of property file changes. When changing configuration files, be sure that you have a complete backup of theSterling B2B Integrator system and have fully tested the changes in a test or development environment before moving the changes into production. In addition, some properties should only be changed by Customer Support. For information about working with any property file or property, see the comments in the property file or contact Customer Support.

Property File Types

The following table lists different kinds of property files:

File Type	Description
*.properties	A file that is used during the operation of Sterling B2B Integrator. The initial properties in this file are set by the file's corresponding *.properties.in file.
*.properties*_ext	A file that is used during the operation of Sterling B2B Integrator. It is an extension of the similarly named *.properties file. More application-specific customization can be done in *.properties*_ext files. The initial properties in this file are set by the file's corresponding *.properties*_ext.in file.
*.properties.in	An initialization file that is used during an installation. It sets the initial values of *.properties files.
*.properties*_ext.in	An initialization file that is used during an installation. It sets the initial values of *.properties*_ext files.
customer_overrides.properties	The file that maintains changes in *.properties and *.properties*_ext files. This file overrides *.properties.in and *.properties*ext.in files when Sterling B2B Integrator is re-installed or when the setupfiles script is run.

Initial Settings for Property Files

In Sterling B2B Integrator, property files are first generated during the installation in the *install_dir*/properties (UNIX/Linux) directory or the *install_dir*\properties (Windows) directory. Their values come from initialization files that are shipped with Sterling B2B Integrator. The initialization files are stored in the same directory as the operational property files.

For example, the property settings in the jdbc.properties.in file are used to create or modify the settings in the jdbc.properties file. During operations, Sterling B2B Integrator references the jdbc.properties file.

With very few exceptions, if you need to override or change the value of a property, you will edit the customer_overrides.properties file to do so. Do not modify or change any properties in files ending with .in because newer versions or patches of the product will overwrite your changes. Do not change a property file that has a corresponding .in file because the setupfiles script will re-create the properties file again, thus causing you to lose your changes. If you need to override or change the value of a property, see the topic *Overriding Properties*.

For example, if you change the contents of the jdbc.properties.in file and then run setupfiles.sh (UNIX/Linux or iSeries) or setupfiles.cmd (Windows), the change will be applied to the jdbc.properties file. If you made this change directly in the jdbc.properties file, the change would be lost during a patch or upgrade installation, or during a system restart that uses the setupfiles command.

After you run the setupfiles command, the old versions of the property files that have been updated are stored in the (UNIX/Linux) *install_dir*/properties/backups directory or the (Windows) *install_dir*\properties\backups directory.

Overriding Properties

Property changes can be required to configure properties, tune performance, or for other reasons. In these situations, use the options described below.

- customer_overrides.properties – Make changes to this override file instead of individual property files to ensure that none of your changes are lost during an upgrade or patch installation. This also lets you see most of the overrides in your configuration at a glance rather than having to check each property file individually. This file is not delivered with the product; you must create it the first time you have a need for it.

  Note:

  You can use customer_overrides.properties to override property values for the following files in some instances:
  - archivethread.properties
  - ui.properties

  You cannot use customer_overrides.properties to override property values for tuning.properties.

  See the comments in each file for information on customizing settings.
- system_overrides.properties - This override file is automatically created or updated when you update system settings.

> **CAUTION:**
> **Although Sterling B2B Integrator may update this file with settings from various components in the system, it is not recommended for user settings. You should use the customer_overrides.properties file for user settings.**

- sandbox.cfg – Contains name-value parameters that are merged with each *.in file to create the final properties files.

Using the customer_overrides.properties file

You can create a customized properties file to override default property settings in the property files.

The customer_overrides.properties file is not changed during installation of upgrades or patches. To prevent having your customized settings overwritten, use overrides whenever possible rather than editing the property files.

If you changed property files in a previous version, either directly or by editing the associated .in files, your changes might be overwritten when a patch is applied. To prevent overwriting, create a customer_overrides.properties file.

For example, to set the value of the **bp_response_timeout** property in the http.properties file so that it is not affected by the **bp_response_timeout** property in the http.properties.in file when the **setupfiles** script is run, add the following line to the customer_overrides.properties file:

http.bp_response_timeout=*value*

In this example, the following items are used:
- http represents the http.properties file.
- bp_response_timeout represents the **bp_response_timeout** property.
- *value* is the value that you want to prevent the **setupfiles** script from changing.

You do not need to run the **setupfiles** script after you change the customer_overrides.properties file. However, you do need to stop and restart Sterling B2B Integrator for the changes to take effect.

No audit trail is provided for changes that are made to the customer_overrides.properties file.

Attention: The following cdinterop files can be modified without stopping Sterling B2B Integrator because the changes take effect immediately. Therefore, you cannot use customer_overrides.properties to preserve them. Instead, save the file with a different name to create a backup:
- cdinterop-spoe-auth.properties
- cdinterop-spoe-policy.properties
- cdinterop-proxy-records.properties
- cdinterop-user-records.properties
- cdinterop-xlate.properties
- cdinterop-bp-timeouts.properties
- cdinterop-log.properties

Before You Begin

For each property that you want to override, you must have the following information:

PROPERTY_FILE_NAME_PREFIX
> The name that is used in the `servers.properties` file to reference the actual property file.

PROPERTY_NAME
> The name of the property in the specified property file.

PROPERTY_VALUE
> The value that you want to assign to the property.

Tip: Locate a Property File Name Prefix
About this task

To find the PROPERTY_FILE_NAME_PREFIX for a property file:

Procedure
1. Open the properties/servers.properties file and find the entry for the desired property file.
2. The part of the entry before the equal sign (=) is the prefix that you will use in customer_overrides.properties. Make note of it.

   For example, locate the entry for jdbc.properties in servers.properties:

   `jdbcService=`*`install_dir`*`/install/properties/jdbc.properties`

   jdbcService is the prefix for the jdbc.properties property file that you would use in the customer_overrides.properties file.

Example of Configuring the Event Listener for E-mail Notifications

You can set up an event listener in your environment to get business process deadline notifications by e-mail. The following is an example of how to set up an event listener for notifications by e-mail. The following properties are mentioned in the lweventrules.properties file. Define the following rules in the customer_overrides.properties file:

```
id.rule11=BATCH_FIRST_NOTIFY
levels.rule11=Normal
name.rule11=DEADLINE_BATCH_FIRST_NOTIFY_LEVEL_Normal
expression.rule11= contains(ExceptionLevel,'Normal') and
contains(eventType,'Workflow.DeadlineEvent.BATCH_FIRST_NOTIFY')
action.rule11.1=java:com.sterlingcommerce.woodstock.event.listeners.rule.EmailEve
ntRunnable
id.rule21=BATCH_SECOND_NOTIFY
levels.rule21=Abnormal
name.rule21=DEADLINE_BATCH_SECOND_NOTIFY_LEVEL_Abnormal
expression.rule21= contains(ExceptionLevel,'Abnormal') and
contains(eventType,'Workflow.DeadlineEvent.BATCH_SECOND_NOTIFY')
action.rule21.1=java:com.sterlingcommerce.woodstock.event.listeners.rule.EmailEve
ntRunnable
id.rule31=BATCH_FINAL_NOTIFY
levels.rule31=Exceptional
name.rule31=DEADLINE_BATCH_FINAL_NOTIFY_LEVEL_Exceptional
expression.rule31= contains( ExceptionLevel,'Exceptional') and
contains(eventType,'Workflow.DeadlineEvent.BATCH_FINAL_NOTIFY')
action.rule31.1=java:com.sterlingcommerce.woodstock.event.listeners.rule.EmailEve
ntRunnable
id.rule41=FIRST_NOTIFY
levels.rule41=Normal
name.rule41=DEADLINE_FIRST_NOTIFY_LEVEL_Normal
expression.rule41= contains(ExceptionLevel,'Normal') and
contains(eventType,'Workflow.DeadlineEvent.FIRST_NOTIFY')
action.rule41.1=java:com.sterlingcommerce.woodstock.event.listeners.rule.EmailEve
ntRunnable
```

```
id.rule51=SECOND_NOTIFY
levels.rule51=Abnormal
name.rule51=DEADLINE_SECOND_NOTIFY_LEVEL_Abnormal
expression.rule51= contains(ExceptionLevel,'Abnormal') and
contains(eventType,'Workflow.DeadlineEvent.SECOND_NOTIFY') action.rule51.1=
java:com.sterlingcommerce.woodstock.event.listeners.rule.EmailEventRunnable
id.rule61=FINAL_NOTIFY
levels.rule61=Exceptional
name.rule61=DEADLINE_FINAL_NOTIFY_LEVEL_Exceptional
expression.rule61= contains(ExceptionLevel,'Exceptional') and
contains(eventType,'Workflow.DeadlineEvent.FINAL_NOTIFY')
action.rule61.1=java:com.sterlingcommerce.woodstock.event.listeners.rule.EmailEve
ntRunnable
```

Note: You could choose to be notified in a different manner, by replacing the following rule:
`action.rule31.1=java:com.sterlingcommerce.woodstock.event.listeners.rule`
The rule mentioned above can be replaced with the following:
`action.rule31.1=java:com.sterlingcommerce.woodstock.dmi.routing.`
`RouterEventNotifier`

You can configure dbDeadLineThread=true (default value is false) in noapp.properties_platform_ifcresources_ext. You can override the same property in the customer_overrides.properties file.

To receive deadline notification for a business process, you should edit the business process to be monitored, enable business process deadline settings, and configure first notification and second notification times appropriately.

Using the sandbox.cfg file

The `sandbox.cfg` file contains name-value parameters that are merged with each `.in` file to create the final properties files.

Properties in the `.in` files that pull their values directly from the `sandbox.cfg` file are identified with parameters that are contained within the `&` and `;` characters. For example, the `jdbc.properties.in` file contains the following property value:
`oraclePool.user=&ORA_USER;`

The `&ORA_USER;` value signifies a parameter. If the `sandbox.cfg` file contains the entry `ORA_USER=oracle`, the resulting `jdbc.properties` file contains the following property value:
`oraclePool.user=oracle`

You can edit the information in the `sandbox.cfg` file at any time to change values that were created by the installer or to reflect changed setup parameters. For example, if you needed to change a database host name, you would edit that host name in `sandbox.cfg` and run the **setupfiles** command to distribute the new host name into the `jdbc.properties` file.

Most of the parameters in the `sandbox.cfg` file and the `.in` files are not used at run time by the product. If you change a parameter in the `sandbox.cfg` file, you must run the **setupfiles** command so that the runtime property files are re-created with the updated values.

The properties in the `sandbox.cfg` file are also used in installation files like `sysinfo.xml` and `deployer.xml`.

See the comments in the individual runtime property files for the properties that can be changed and a description of each property.

The following table describes the properties of the `sandbox.cfg` file that are most relevant to your operation of Sterling B2B Integrator. The table is followed by an example of the file.

Property	Description
ACTIVE_DOC_URL	Used by the **plt.active.doc.url** property in the `yfs.properties.in` file.
ACTIVEMQ_CONSOLE_UI_PORT	Port that is used by the ActiveMQ UI console.
ACTIVEMQ_JMX_PORT	Port that is used to monitor ActiveMQ activity from JConsole. For more information, see ActiveMQ Modularization.
ACTIVEMQ_PORT	Port that is used by the ActiveMQ Apache messaging system.
ACTIVEMQ_VERSION	Version of the ActiveMQ Java™ Message Service (JMS) provider.
ADMIN_CONTEXT_PATH	Tells Sterling B2B Integrator what web context to load so that pages that are based on XForms work properly. The **GIS_ADMIN_CONTEXT_PATH** property references this property. Set to `ws` when Sterling B2B Integrator is installed. Used in the `ebics_eventlinks.properties.in` file. Default value: `admin`
ADMIN_PORT	The port of the AdminServer.
AGENT_JAVA_HOME	JDK directory for the installation of Sterling B2B Integrator. Overrides the Java that the agents use. For example, if, you wanted to use the IBM JDK with WebSphere®, you might set this parameter to a new value.
ANT_DIR	Contains the Ant binary files that are used in the Java deployer and other deployment and build scripts.
ANT_VER	Version of Ant that is released with Sterling B2B Integrator.
APP_DIR	Application server directory.
APP_LIC_PROD_VERSION	**Attention:** Do not modify this property.
APP_SPEC_DIR	Application server-specific directory.
APPBEANS_DIR	Directory that holds JAR files for use in a Java 2 Enterprise Edition container. These JAR files contain classes that are required for the EJB Adapter. This setup allows EJBs to call ASI and start a business process.
APSERVER_DIR	Directory for an application server.
ARCHIVE_DB_POOL	Database pool that is used by the archive process.
AS2_UI	Flag indicating whether this installation is the AS2 edition of this product. Valid values: • false - (default) The AS2 edition is not installed. • true - The AS2 edition is installed.
ASPECT_AGENT_DIR	Directory location of AspectJ JAR file under the *install_dir*/jar directory.
ASPECT_AGENT_JAR	AspectJ JAR file.
ASPECT_AGENT_VERSION	Version of AspectJ.

Property	Description
B2B_FTP_PORT	Port that is reserved for the default instance of the FTP Server (base port + 32).
B2B_HTTP_PORT	Port on which the B2B_HTTP_SERVER_SERVICE instance of the B2B HTTP Server Adapter listens to inbound HTTP requests. **Important:** You can change this port number. However, you must also change the corresponding **web.xml** entry in the *install_dir*/container/Applications/b2bhttp/WEB-INF/web.xml.in file before you restart the system.
B2B_SOCKET_SERVER_PORT	The port that is used by the Socket Server Adapter. By default, this adapter starts the SocketServerDemoService business process.
BACKUP_OPS_PORT	Clustering port that points to the backup operation server process.
BI_RESOURCE_MONITOR_ EVENT_LISTENER_PORT	Used in the **BIResourceMonitor.propertyValue.<number>** property of the resource_monitor.properties_b2b_ext.in file.
BIN_DIR	Shell scripts on UNIX and command scripts on Windows.
BOPF_DIR	Directory that contains business object definitions and tools for extending and redeploying them.
BPEL_JETTY_PORT	Port to the Jetty server used with BPEL (Business Process Execution Language).
BPMETA_DIR	Location of business process metadata XML descriptors during installation of BPML files.
BUILD_NUMBER	Product build number, which indicates the version and patch level of the product. This property is not user configurable.
CDSVR_GIS_PORT1	Assigned IBM Sterling Connect:Direct® Server Port value for the default Sterling Connect:Direct Server Adapter instance.
CEUSVR_GIS_PORT	Assigned Listen Port value for the default IBM Sterling Connect:Enterprise® UNIX Server Adapter instance.
CFG_TP	Used in a conditional statement in the envelopeproviders.properties.in file.
CLA2_PORT	Port that is reserved for the CLA2 (Command Line 2) Windows Service.
CLASS_DIR	Location of Java archive (JAR) files.
COMPANY_NAME	Name of company that sells Sterling B2B Integrator.
*component*_BUILD_NUMBER	The component's build number, which indicates the version and patch level of the component. This property is not user-configurable. Used on the support page of Sterling B2B Integrator.
*component*_LIC_PROD_VERSION	The component version number that is used on the support page of Sterling B2B Integrator.
*component*_PRODUCT_LABEL	The component name that is used on the support page of Sterling B2B Integrator.
*component*_VER	The component version number that is used on the support page of Sterling B2B Integrator.
CONFIG_GS	Indicates whether Gentran® Server must be configured.
*Database*_CLIENT	Driver for JDBC connectivity.

Property	Description
*Database*_DATA	The schema or catalog name of the database. *Database* is one of the following databases: • Oracle • MySQL • MSSQL • DB2® • DB2ISERIES • Informix® Example (Oracle): `ORA_DATA=`*`schema or catalog name`*
*Database*_HOST	The host name or IP address of the database server. *Database* is one of the following databases: • Oracle • MySQL • MSSQL • DB2 • DB2ISERIES • Informix Example (Oracle): `ORA_HOST=`*`hostname or IP address`*
*Database*_PASS	The user password. *Database* is one of the following databases: • Oracle • MySQL • MSSQL • DB2 • DB2ISERIES • Informix Example (Oracle): `ORA_PASS=`*`password`*
*Database*_PORT	The port that is used to connect to the database. *Database* is one of the following databases: • Oracle • MySQL • MSSQL • DB2 • DB2ISERIES • Informix Example (Oracle): `ORA_PORT=`*`port`*
DATABASE_PROPERTY_ MANAGEMENT	Indicates whether you are using database-based properties, that is, properties that can be configured through a database UI tool. Valid values: • true - Read property values first from the hidden `safestart.properties` file. If the property is not present in this file, get the value from database. • false - (default) Read property values from the file system (*`install_dir`*`/properties`).

Property	Description
*Database*_USER	The user name for connecting to the database. *Database* is one of the following databases: • Oracle • MySQL • MSSQL • DB2 • DB2ISERIES • Informix Example (Oracle): `ORA_USER=user name`
Database	Specifies which database is being used. Format is *Value*=True, where *Value* is one of the following databases: • Oracle • MySQL • MSSQL • DB2 • DB2ISERIES • Informix Example: `Oracle=True`
DAV_PORT	Port that is used by the WEB_DEV server to retrieve components such as Eclipse plug-ins, JAR files,. Used by Eclipse and the Reporting Services event listeners.
DB_CREATE_SCHEMA	Indicates whether to automatically or manually create a database schema when you install Sterling B2B Integrator. Valid values: • Yes - Automatically create the schema. • No - Manually create the schema.
DB_DATA	Used at installation only. Database name to connect to. **Important:** To change this database property after installation, use the database-specific properties.
DB_DRIVERS	Used at installation only. Full path to the location of the JDBC drivers that are specified during the installation. **Important:** To change this database property after installation, use the database-specific properties.
DB_DRIVERS_VERSION	Version of the database drivers. Enter a string that represents the version as you recognize it. Functionally used only to build a directory structure for the database drivers for the install3rdParty utility.
DB_HOST	Used at installation only. Database host to connect to. **Important:** To change this database property after installation, use the database-specific properties.
DB_JAR_DIR	Used at installation only. The location of the database JDBC drivers. This location is referenced in the `dynamicclasspath.cfg` files to put the drivers in the class path. **Important:** To change this database property after installation, use the database-specific properties.
DB_PASS	Database password to connect with.

Property	Description
DB_POOL	Database pool that is used in various parts of the system, which is named as *database*Pool, where *database* is mysql, oracle, and so on. **Important:** To change this database property after installation, use the database-specific properties.
DB_PORT	Used at installation only. Database listener port. **Important:** To change this database property after installation, use the database-specific properties.
DB_SCHEMA_OWNER	Default schema or schema-owner for the provided login ID.
DB_USER	Database login ID to connect with. **Important:** To change this database property after installation, use the database-specific properties.
DB_VENDOR	Required. The database vendor (MySQL, MSSQL, Oracle, and other databases). **Important:** To change this database property after installation, use the database-specific properties.
DBDIST_DIR	Used with the **EDITEST_DIR** property.
DBINIT_DIR	Used in the **componentMap** property in the `security.properties.in` file.
DEBUG_OPS_PORT	Port that is used to connect a remote debugger to the ops process.
DEBUG_PORT	Port that is used to connect to the noapp JVM with a remote debugger.
DEPLOYED_APP_DIR	Directory that is used to deploy web applications. Used in the **WARPath** property of the `ui.properties.in` file.
DOC_PAYLOAD_DIR	Used in the **document_dir** and **RESTORE_DOCUMENT_DIR** properties of the `jdbc.properties.in` file.
EB_HTTP_SERVER_PORT	Used with EBICS.
EBXML_HTTP_SERVER_PORT	Used with web service message handling.
EDITEST_DIR	Used with the **DBDIST_DIR** property.
ENTITY_GEN_LOGLEVEL	Controls the logging of verbose messages during entity class generation. Set this flag to VERBOSE to enable logging of a verbose message. The default value is INFO and no verbose message is logged.
EVENT_PORT	Port that can be used for non-JVM producers and consumers of events. This port number is used in an event property file.
EXT_HOST_ADDR	External IP address of the host, which is used by Web Start applications such as the GBM to be made available for use on an external IP address.
FARM_DIR	References a directory that is used in JBoss clustering.
FEDERATION_HTTP_ SERVER_PORT	Listening port for the initially installed HTTP Server Adapter instance in Sterling B2B Integrator that hosts the Federation application. In a normal installation, this port is offset +37 from the main port number of Sterling B2B Integrator.
FIPS_MODE	Indicates whether FIPS (Federal Information Processing Standards) mode is enabled. Default value: false

Property	Description
GENERATE_ALL_DBCLASSES	When an entity is modified and the entitydeployer utility is run, the DBClasses source code for only modified and related entities is regenerated in the same directory. Set this flag to `true` if all the DBClasses need to be regenerated. By default, the value of this flag is `false`.
GIS_ADMIN_CONTEXT_PATH	Web context for Sterling B2B Integrator to load so that XForms-based pages work properly. References the **ADMIN_CONTEXT_PATH** property. Installed with the Standards module to maintain the XForms relationships. This property is used only during installation.

GS_LIFE	During a Sterling Gentran:Server®-related search, if your set of search results is too large, this property is changed to `Yes`, and the following message appears:
	
	`You have exceeded the maximum number of`
	`GENTRAN:Server results. Only 5000`
	`records will be displayed. Please`
	`refine your search.`

GS_TP_HOST	If you are using Attunity Connect to allow Sterling B2B Integrator to view Sterling Gentran:Server trading partners, this property is the name of the host server on which the Attunity Connect server is running.
GS_TP_NAME	If you are using Attunity Connect to allow Sterling B2B Integrator to view Sterling Gentran:Server trading partners, this property is the name of the Attunity Connect data source that is being used to access the Sterling Gentran:Server trading partner DISAM files.
GS_TP_PASS	Sterling Gentran:Server trading partner password.
GS_TP_PORT	If you are using Attunity Connect to allow Sterling B2B Integrator to view Sterling Gentran:Server trading partners, this property is the port number on which the Attunity Connect server is listening for connections.
GS_TP_USER	Sterling Gentran:Server trading partner user.
HTTP_SERVER_PORT	The listen port for the primary HTTP Server Adapter named "HttpServerAdapter." In a normal installation, this port is offset +33 from the main port number of Sterling B2B Integrator. Among others, this adapter instance is configured with the /dashboard url that points to the main dashboard WAR file.
Icons	Indicates whether to create a desktop icon for accessing Sterling B2B Integrator. Valid values: • true - Create a desktop icon. • false - (default) Do not create a desktop icon.
INIT_CHECKSUM_MAP	Indicates whether a map is using the checksum utility to calculate its checksum. This utility helps you preserve your custom changes to maps when you update your system. This property is created at the end of InstallService.sh during the installation of the asset clump for Sterling B2B Integrator. **Important:** This property must always be set to the default value of `TRUE`.

Property	Description
INIT_CHECKSUM_SCHEMA	Indicates whether a schema is using the checksum utility to calculate its checksum. This utility helps you preserve your custom changes to schemas when you update your system. This property is created at the end of the installation of Sterling B2B Integrator. **Important:** This property must always be set to the default value of TRUE.
INIT_CHECKSUM_SII	Indicates whether a service instance is using the checksum utility to calculate its checksum. This utility helps you preserve your custom changes to service instances when you update your system. This property is created at the end of the installation of Sterling B2B Integrator. **Important:** This property must always be set to the default value of TRUE.
INIT_CHECKSUM_TEMPLATE	Indicates whether a template is using the checksum utility to calculate its checksum. This utility helps you preserve your custom changes to templates when you update your system. This property is created at the end of the installation of Sterling B2B Integrator. **Important:** This property must always be set to the default value of TRUE.
INIT_CHECKSUM_WFD	Indicates whether a business process or workflow definition is using the checksum utility to calculate its checksum. This utility helps you preserve your custom changes to business processes or workflow definitions when you update your system. This property is created at the end of the installation of Sterling B2B Integrator. **Important:** This property must always be set to the default value of TRUE.
INSTALL_DIR	Path to the installation directory. This path is the root of the directory structure for the application on the file system. This path is the path that you specified during the installation, plus the `install` subdirectory. This path is used extensively in `.in` files to munge the correct root installation directory. Also used in scripts in the main installation.
INSTALL_IP	IP address for installation.
INTERNAL_MYSQL	Indicates whether the bundled/internal version of MySQL can be used. **Important:** This property must always be set to the default value of FALSE.
JAR_DIR	Directory that is used by the install and install3rdParty utilities to store third-party software JAR files (referenced by the dynamic class loader for the Java class path).
JAR_JAVA_HOME	Points to the location of the Java SDK so that the JAR utility can be found. This property is derived from the user-specified **INSTALL_DIR** property.
JASPER_VER	Version of the Jasper Reports, shown with underscore notation (x_x_x).
JASPER_VER_DOT	Version of the Jasper Reports, shown with dot notation (x.x.x).
JAVA_HOME	Points to the location of the Java SDK used for the installation. This property is derived from the user-specified INSTALL_DIR property.
JAVA_LIB_EXT_DIR2	Java extensions directory.
JAVA_LIB_SECURITY_DIR	Directory that includes unrestricted policy files.
JAVA_VERSION	JDK version.

Property	Description
JAVADOC_COPYRIGHT_ INFO_LABEL	Copyright statement for Javadoc that is used in the Javadoc output.
JCE_DIST_FILE	Path and file name of the JCE (Java Cryptography Extension) file that is used for the installation. This path is the location of the unlimited strength JCE file that is inserted into the JDK during installation. The value of this property is user-specified.
JDBC_DRIVER	Path and file name of the JDBC database driver.
JDBC_VENDOR	Driver vendor. Used when multiple vendors are available. The default value is `Microsoft`.
JDBC_VER	Version of the JDBC driver.
JDK64BIT	Indicates whether you are using a 64-bit JDK.
JMX_AGENT_PORT	Port for the local JMX Agent.
JMX_RMI_PORT	Port for the JMX RMI connector.
JNDI_PORT	Used for Java Naming and Directory Interface lookups. Used by workflow and ops processes and in code to configure the JNP server.
JVM15	Differentiates between JVM versions that are used to build Sterling B2B Integrator. This property is set to false if a JVM other than 1.5 was used to build the installation image.
JVM16	Differentiates between JVM versions that are used to build Sterling B2B Integrator. This property is set to false if a JVM other than 1.6 was used to build the installation image.
JVM_LOC	Source of JDK files.
LIC_PROD_VERSION	Product version (not the build version).
LICENSE_FILE_PATH	Path and file name of the license file for this installation. The value is user-specified.
LIST_PORT	Base port for the installation. The starting port in a range of ports that are reserved for use by Sterling B2B Integrator. Same value as the **PORT1** property.
LOAD_FACTORY_SETUP	Indicates whether to load factory setup defaults during installation or manually after installation. Valid values: • true • false
LOCAL_DOC_URL	Relative URL for the local documentation.
LOCAL_JNDI_PORT	Used by the **local_jndi_url** property in the `cluster_control.properties.in` file.
LOCALHOST	User-specified host location for the installation. Valid values: • localhost (default) • IP address
LOG4J_VER_DOT	Version of the Apache log4j logging utility, as shown with dot notation (`x.x.x`).

Property	Description
LOG_DIR	Path to the subdirectory where log files are stored. Use to override the logging directory. Sterling B2B Integrator would then log to the directory you specified.
MAPTEST_HTTP_SERVER_PORT	Port on which the Map Test HTTP Server Adapter listens to process inbound requests from the Map Editor's Map Test utility.
MBI_HTTP_SERVER_PORT	The listen port for the HTTP Server Adapter instance in Sterling B2B Integrator that hosts the MBI (Mailbox Browser Interface) and the myAFT (Advanced File Transfer) external portals. In a normal installation, this port is offset +34 from the main port number of Sterling B2B Integrator.
MULTICAST_NODE_PORT*n*	Base port for multicast communication between nodes of a cluster.
MYSQL_UNBUNDLED	Indicates whether you are using a MySQL database that is bundled with Sterling B2B Integrator. Valid values: • true: You are not using the bundled MySQL database. This value appears when you are using the unbundled version of MySQL or when you are using another database, like Oracle. • false: You are using the bundled MySQL database.
NEO_HTTP_SERVER_PORT	Port that is reserved for use by Sterling B2B Integrator.
NO_DBVERIFY	When set to `true` during installation and the **installservice** command, the following occurs: • The dbverify utility is not run. • The DDL to make the database like the XML entity repository is not generated. Valid values: • true • false
NOAPP	A legacy value that differentiated between the different types of application servers that Sterling B2B Integrator used to support. This property is always present and has a value of `true`. Many legacy files still require this variable to be present. Default value: `true`
NOAPP_DIR	Points to the `noapp` directory, which contains the web application deployment directory and various scripts.
NOAPP_HOME	Path to the `noapp` directory in an installation. This directory houses the custom application server (ASI or noapp). This path is referenced in many other files to gain path information to scripts and other `noapp` directories for class paths.
NODE_NAME	Used in clustering to name this node. In non-clusters, the value is `node1`. Default value: `node1`
ONLINE_DOC_URL	Absolute URL for the online documentation.
OPS_PORT	Operations server port.

Property	Description
ORACLE_NLS_LENGTH_SEMANTICS	Indicates the type of length semantic to be used for Oracle database, when you use the dbverify tool. Valid values: • CHAR • BYTE (default) **Important:** If the database or the specific session in which the database was created has the length semantic as CHAR, this property must be set to CHAR before you run the dbverify tool.
ORACLE_USE_BLOB	Indicates whether the BLOB (binary large object) data type is being used in an Oracle database. Used in several property files to indicate which IVarData implementation class to use for various connection pools. Default is true. **Note:** The value ORACLE_USE_BLOB=false is not allowed.
PARTITION_NAME	Used in the **partition_name** property of the `cluster_control.properties.in` file.
PORT1	Base port for the installation. Starting port in a range of ports that are reserved for use by Sterling B2B Integrator. This port is a user-specified value. The remaining ports can be sequentially assigned or can be user-specified.
PORT2	Port that is used for SSL.
PRODUCT_LABEL	Platform release that is used with Sterling B2B Integrator.
PRODUCT_LONGNAME	Product name for labeling and first reference in documentation.
PRODUCT_NAME	Determines the subdirectory where certain JAR files are stored.
PRODUCT_SHORTNAME	Product name for second reference in documentation.
PROG_DIR	Path to the *install_dir*/container/Applications directory that holds the various `.war` files that are deployed on the ASI/noapp server.
PROP_DIR	Path to the properties subdirectory for the installation.
REINIT_DB	Indicates whether database updates are repeated for each node of a cluster installation. Valid values: • true - Database updates are repeated. • false
RES_PROP_DIR	Directory that is used for creating a JAR file of resource and properties files to be deployed to the JBoss class path.
RMI_PORT	Port that is reserved for use by Sterling B2B Integrator.
RN_HTTP_SERVER_PORT	Port on which the RosettaNet HTTP Server Adapter listens to process inbound requests.
SCM_PRODUCT_SHORTNAME	Sterling Community Manager product name that is used in messages, labels, and documentation. In documentation, the first reference to this product is IBM Sterling Community Manager.
SFTP_SERVER_PORT	Assigned SFTP Server Listen Port value for the default SFTP Server Adapter instance.
SI_ADMIN_MAIL_ADDR	Email address where administrative alerts are to be sent. This address is a user-specified value.
SI_ADMIN_SMTP_HOST	Email server that sends administrative alerts from Sterling B2B Integrator.

Property	Description
SI_LICENSE_AVAILABLE	Formerly used by installation to determine whether to load the license set. License is now required during installation.
SN7_HTTP_SERVER_PORT	The port on which the SWIFTNet7 HTTP Server Adapter, a pre-configured instance of the HTTP Server Adapter, listens to inbound HTTP SWIFTNet requests. Enable this port by clicking **Deployment** > **Services** > **Configuration**.
SN_HTTP_SERVER_PORT	Port on which the SWIFTNet HTTP Server Adapter listens to process inbound SWIFTNet requests.
SOA_PORT	Port on which the SOA HTTP Server Adapter, a pre-configured instance of the HTTP Server Adapter, listens to inbound HTTP requests to bootstrap business processes for the web service feature.
SOA_SSL_PORT	Port on which the HTTP Server Adapter listens for an incoming SOAP/HTTPS request.
SOAP_PORT	Port on which the BaseHttpService instance of the B2B HTTP Server Adapter listens to inbound HTTP requests. **Important:** You can change this port number. However, you also must change the corresponding `web.xml` entry in the `install_dir`/container/Applications/webservices/WEB-INF/web.xml.in before you restart the system.
SSL_PORT	Used for SSL requests to the ASI server. It is set to the same value as `PORT2`.
SVC_DIR	Formerly, a directory that is used by the user interface to load service definitions. Service definitions are now loaded from the database and files are stored in this location.
SYSGENWARS_DIR	Used in the `resource.ui.WAR.destinationDirectory` property in the `cdsp_import_export.properties.in` file.
SYSTMP_DIR	The location of temporary file usage.
TRANSLATOR_JAR_VER	Helps define the path to the `translator.jar` file for programs that use that file.
TRANSLATOR_VER	Subdirectory under `install_dir`/jar/translator that contains the `translator.jar` file. For example, `install_dir`/jar/translator/5.0/translator.jar uses TRANSLATOR_VER=5.0.
TRUSTPOINT_VER	Version number of the Trustpoint JAR files that are used in the installation. Used to specify which version of the Trustpoint JAR files is being used. When there were multiple JDKs, different versions of these JAR files were required.
UI_DB_POOL	Database pool that is used by the user interface.
UPGRADE	Indicates whether the installation is an upgrade.
UPGRADE_MAJOR_VERSION	Used to establish the minimum product version that can be eligible for in-place upgrade. Default value: 4
UPGRADE_MINOR_VERSION	Used to establish the minimum product version that can be eligible for in-place upgrade. Default value: 0
USE_NEW_INSTALL	Legacy value that differentiates the old installation process from the new installation process. This property is always present and has a value of true, indicating the new installation process. However, many scripts still require this variable to be present. Default value: `true`

Property	Description
VENDORS_DIR	Directory that is used to hold resource JAR files. This directory is the same as the **JAR_DIR** property and is a legacy name from the sandbox.
WEBAPP_PROTOCOL	Used in the **uiurl** property in the `noapp.properties_platform_ifcresources_ext.in` file.
WEBX_PORT	Port on which the WEB_EXTENSIONS_HTTP_SERVER_ADAPTER instance of the B2B HTTP Server Adapter listens to inbound HTTP requests. **Important:** You can change this port number. However, you also must change the corresponding **web.xml** entry in `install_dir`/container/Applications/webx/WEB-INF/web.xml.in before you restart the system.
YANTRA_DB_DATA	Used at installation only. Database name to connect to. **Important:** To change this database property after installation, use the database-specific properties.
YANTRA_DB_HOST	Used at installation only. Database host to connect to. **Important:** To change this database property after installation, use the database-specific properties.
YANTRA_DB_PASS	Used with the Yantra Adapter. Add the following line after you install the Yantra JAR files:YANTRA_DB_PASS=*userpassword*
YANTRA_DB_PORT	Used at installation only. Database listener port. **Important:** To change this database property after installation, use the database-specific properties.
YANTRA_DB_USER	Used with the Yantra Adapter. Add the following line after you install the Yantra JAR files: YANTRA_DB_USER=*username*

Example

This example is from an installation of Sterling B2B Integrator Version 5.2.5 on a Linux server with an Oracle database.

```
#Fri Sep 26 13:31:19 EDT 2014
ASPECT_AGENT_VERSION=1_6_4
GIS_ADMIN_CONTEXT_PATH=ws
B2B_OBA_LIC_PROD_VERSION=4_2
CLA2_PORT=55052
PLATFORM_IFCRESOURCES_PRODUCT_LABEL=platform_ifcresources
PLATFORM_SERVICES_LIC_PROD_VERSION=1_3
RMI_PORT=55012
Icons=false
TOMCAT_AJP13_PORT=55020
JVM17=true
JVM15=true
TRUSTPOINT_VER=3_4_3_5_SterlingCustomized_SR1371987
DEBUG=true
PRODUCT_SHORTNAME=Sterling B2B Integrator
LICENSE_FILE_5=EBICS_License.xml
CDSVR_GIS_PORT1=55029
LICENSE_FILE_4=AS2_License.xml
LICENSE_FILE_3=SI_SFG_FIPS_License.xml
LICENSE_FILE_2=Fin_Serv_License.xml
DB_PASS=password
LICENSE_FILE_1=SI_SFG_License.xml
SI_BUILD_NUMBER=5020400
ANONY_PORT=55018
DB_SCHEMA_OWNER=owner
SI_ADMIN_SMTP_HOST=host
HYPER_PORT=55015
```

```
PLATFORM_AFC_SECURITY_LIC_PROD_VERSION=6_0
SN7_HTTP_SERVER_PORT=55071
PLATFORM_IFCBASE_PRODUCT_LABEL=platform_ifcbase
PARTITION_NAME=null_55000_Partition
PLATFORM_AFC_LIC_PROD_VERSION=6_0
JNDI_PORT=55013
TRANSLATOR_JAR_VER=8_0
ACTIVEMQ_JMX_PORT=55057
JAVA_LIB_SECURITY_DIR=install_dir/install/jdk/jre/lib/security
MULTICAST_NODE_PORT10=55069
MAILBOX_VER=4_6
NOAPP_HOME=install_dir/install/noapp
FARM_DIR=install_dir/install/noapp/farm
SSL_PORT=55001
YANTRA_DB_PORT=1521
ORACLE_USE_BLOB=true
PLATFORM_ASI_PRODUCT_LABEL=platform_asi
TOMCAT_AJP_REDIRECT_PORT=55021
FTP_ACCT_PORT=55045
EBXML_HTTP_SERVER_PORT=55055
DB_DATA=database_name
ORA_PASS=password
GSUX_TRACK_DB_VENDOR=
SI_PRODUCT_LABEL=SI
NODE_NAME=node1
Standards_BUILD_NUMBER=8000400
TOMCAT_AJP12_PORT=55019
B2B_AEE_LIC_PROD_VERSION=4_2
PLATFORM_SECURITY_PRODUCT_LABEL=platform_security
JAR_JAVA_HOME=install_dir/install/jdk
PERIMETER_BUILD_NUMBER=4060400
PLATFORM_OSGI_BUILD_NUMBER=1030400
PLATFORM_SECURITY_LIC_PROD_VERSION=1_3
PERIMETER_LIC_PROD_VERSION=4_6
DOC_DIR=install_dir/install
PLATFORM_SERVICES_PRODUCT_LABEL=platform_services
MAILBOX_PRODUCT_LABEL=mailbox
DEBUG_PORT=55004
APSERVER_DIR=install_dir/install
PROG_DIR=install_dir/install/container/Applications
PRODUCT_VERSION=5.2.5.0
ORA_DATA=database_name
RN_HTTP_SERVER_PORT=55035
einvoicing_LIC_PROD_VERSION=1_4
JDBC_VENDOR=Oracle
GS_TP_PORT=
JDBC_VER=1_0
LOG4J_VER_DOT=1.2.15
HOME_DIR=install_dir/install
GENERATE_ALL_DBCLASSES=false
JAVADOC_COPYRIGHT_INFO_LABEL=Copyright IBM Corp. 1999-2014 All Rights Reserved.
ebics_LIC_PROD_VERSION=2_2
DB_HOST=ip_address
Standards_LIC_PROD_VERSION=8_0
STDS_TX_BUILD_NUMBER=8000400
PLATFORM_IFCUI_PRODUCT_LABEL=platform_ifcui
SOA_SSL_PORT=55041
IFC_LIC_PROD_VERSION=1_3
JMX_RMI_PORT=55050
UI_JNDI_PORT=55044
PLATFORM_AFC_PRODUCT_LABEL=platform_afc
B2B_OBA_VER=4_2
DBDIST_DIR=install_dir/install
JAR_DIR=install_dir/install/jar
LOCAL_JNDI_PORT=55014
PLATFORM_IFCRESOURCES_LIC_PROD_VERSION=1_3
JASPER_VER=1_0_0
```

```
ebicsclient_BUILD_NUMBER=10000342
ORA_HOST=ip_address
SFTP_SERVER_PORT=55039
ORACLE_NLS_LENGTH_SEMANTICS=BYTE
STDS_TX_PRODUCT_LABEL=STDS_TX
INSTALL_IP=ip_address
EBICS_VER=2_2
einvoicing_PRODUCT_LABEL=EINVOICING
ASSET_BUILD_NUMBER=4060400
DAV_PORT=55046
INSTALL_DIR=install_dir/install
STDS_TX_LIC_PROD_VERSION=8_0
LOAD_FACTORY_SETUP=true
B2BF_PRODUCT_LABEL=B2BF
ANT_VER=1_7_0
REGRESSION_DIR=install_dir/install/regression
NOAPP=true
IFC_PRODUCT_LABEL=platform_ifc
CFG_TP=No
MYSQL_UNBUNDLED=true
Translator_BUILD_NUMBER=8000400
SCM_PRODUCT_SHORTNAME=Sterling Community Manager
AS2_UI=false
ASSET_VER=4_6
WEBAPP_PROTOCOL=http
B2B_BASE_VER=4_6
VENDORS_DIR=install_dir/install/jar
JVM_LOC=path/DIR_JDK/1.7.0_7/ibm-java-x86_64-70
SNMP_GENTEST_PORT=55022
SSLPLUS_VER=4_3_5_24
COMPANY_NAME=IBM
YANTRA_DB_USER=user
ASPECT_AGENT_JAR=aspectjweaver.jar
DEPLOYED_APP_DIR=install_dir/install/noapp/deploy
DB_VENDOR=Oracle
SOAP_PORT=55010
UI_SSL_PORT=55043
SOAP_REG_HTTP_SERVER_PORT=55059
ONLINE_DOC_URL=
SI_LICENSE_AVAILABLE=YES
PLATFORM_AOP_BUILD_NUMBER=1030400
PLATFORM_AFC_BUILD_NUMBER=60170101
PERIMETER_PRODUCT_LABEL=perimeter
NEO_HTTP_SERVER_PORT=55036
STUDIO_LIC_PROD_VERSION=1_2
PLATFORM_AOP_PRODUCT_LABEL=platform_aop
ASSET_LIC_PROD_VERSION=4_6
PLATFORM_SERVICES_BUILD_NUMBER=1030400
JMX_HTML_CONSOLE_PORT=55051
IPV4STACK=true
EB_HTTP_SERVER_PORT=55072
USE_NEW_INSTALL=true
APP_LIC_PROD_VERSION=6.0
LOCAL_DOC_URL=
PRODUCT_NAME=platform
PLATFORM_IFCRESOURCES_BUILD_NUMBER=1030400
GS_TP_USER=
LOCALHOST=localhost
ASSET_PRODUCT_LABEL=asset
UI_DB_POOL=oracleUIPool
JCE_DIST_FILE=jce_dir/unrestricted.zip
PLATFORM_IFCUI_BUILD_NUMBER=1030400
DB_PORT=1521
DoXapiJavaDoc=false
SN_HTTP_SERVER_PORT=55053
JAVA_VERSION=1.7
B2B_BASE_LIC_PROD_VERSION=4_6
```

```
LOG_DIR=install_dir/install/logs
BUILD_NUMBER=6000
JASPER_VER_DOT=1.0.0
HSQL_PORT=55026
PROP_DIR=install_dir/install/properties
AGENT_JAVA_HOME=install_dir/install/jdk
PLATFORM_IFCBASE_BUILD_NUMBER=1030400
LIST_PORT=55000
SI_ADMIN_MAIL_ADDR=email_address
B2B_AEE_BUILD_NUMBER=4020400
EDITEST_DIR=install_dir/install
ARCHIVE_DB_POOL=oracleArchivePool
PLATFORM_ASI_BUILD_NUMBER=1030400
MAILBOX_LIC_PROD_VERSION=4_6
STANDARDS_VER=8_0
GS_LIFE=No
LICENSE_FILE_PATH=path/Core_License.xml
GIS_VER=5_2
YANTRA_DB_PASS=password
ORACLE=TRUE
einvoicing_BUILD_NUMBER=1040400
PLATFORM_AOP_LIC_PROD_VERSION=1_3
ASPECT_AGENT_DIR=aspectjrt
MAILBOX_BUILD_NUMBER=4060400
JDBC_DRIVER=install_dir/install/dbjar/jdbc/Oracle/ojdbc6.jar
NOAPP_DIR=install_dir/install/noapp
ORA_PORT=1521
BPEL_JETTY_PORT=55054
B2B_AEE_PRODUCT_LABEL=b2b_aee
ACTIVEMQ_CONSOLE_UI_PORT=55058
DB_CONNECT=true
GS_TP_NAME=
UPGRADE_MAJOR_VERSION=4
REINIT_DB=true
SI_LIC_PROD_VERSION=5_2
B2B_OBA_BUILD_NUMBER=4020400
B2B_SOCKET_SERVER_PORT=55070
PLATFORM_OSGI_LIC_PROD_VERSION=1_3
MBI_HTTP_SERVER_PORT=55034
DB_POOL=oraclePool
ENTITY_GEN_LOGLEVEL=INFO
ACTIVEMQ_VERSION=5_2_0
JMX_AGENT_PORT=55049
SOA_PORT=55040
YANTRA_DB_DATA=database_name
EVENT_PORT=55048
ACTIVE_DOC_URL=
EBICS_CLIENT_INSTALL=TRUE
MAPTEST_HTTP_SERVER_PORT=55038
GS_TP_PASS=
DEBUG_OPS_PORT=55005
DIST_DIR=install_dir/install/jar
ORA_TS_CONTEXT=CTXCAT
B2B_OBA_PRODUCT_LABEL=b2b_oba
CEUSVR_GIS_PORT=55030
BI_RESOURCE_MONITOR_EVENT_LISTENER_PORT=55056
EXT_PURGE=true
APP_DIR=install_dir/install
JAVADOC_PRODUCT_LABEL=Platform_Javadocs
NEEDS_JCE_DIST_FILE=true
ANT_DIR=install_dir/install/ant
PLATFORM_AFC_SECURITY_BUILD_NUMBER=60170101
B2B_FTP_PORT=55032
PLATFORM_IFCUI_LIC_PROD_VERSION=1_3
SYSGENWARS_DIR=install_dir/install/sysgenwars
CLIENT_PORT=55017
BIN_DIR=install_dir/install/bin
```

```
EXT_HOST_ADDR=ip_address
UI_PORT=55042
NO_DBVERIFY=false
ebicsclient_LIC_PROD_VERSION=1_00
ACTIVEMQ_PORT=55047
ADMIN_CONTEXT_PATH=ws
EINVOICING_VER=1_4
ebics_BUILD_NUMBER=2020400
STUDIO_PRODUCT_LABEL=STUDIO
YANTRA_DB_HOST=ip_address
SYSTMP_DIR=install_dir/install/tmp
DBINIT_DIR=install_dir/install/bin
BPMETA_DIR=install_dir/install/installed_data
ADMIN_PORT=55016
WEBAPP_LIST_PORT=55000
PORT2=55001
PORT1=55000
DOC_PAYLOAD_DIR=install_dir/install/documents
LIC_PROD_VERSION=6_0
BACKUP_OPS_PORT=55028
DB_CREATE_SCHEMA=yes
DB_DRIVERS=install_dir/install/dbjar/jdbc/Oracle/ojdbc6.jar
MYSQL_CLIENT=mysql-connector-java-commercial-5.1.6-bin.jar
JAVA_LIB_EXT_DIR2=install_dir/install/jdk/lib/ext
DB_JAR_DIR=install_dir/install/dbjar
PLATFORM_AFC_SECURITY_PRODUCT_LABEL=platform_afc_security
HTTP_SERVER_PORT=55033
PLATFORM_ACTIVEMQ_BUILD_NUMBER=1030400
B2BF_LIC_PROD_VERSION=4_2
DB_USER=user
B2BF_BUILD_NUMBER=4020400
BOPF_DIR=install_dir/install/busobjs
APPBEANS_DIR=install_dir/install/client/ejb
B2B_HTTP_PORT=55006
Translator_PRODUCT_LABEL=Translator
APP_SPEC_DIR=install_dir/install/noapp
OPS_PORT=55027
RES_PROP_DIR=install_dir/install/resources
JAVA_HOME=install_dir/install/jdk
MYSQL_PORT=55003
WEBX_PORT=55008
PRODUCT_LONGNAME=IBM Sterling B2B Integrator
DATABASE_PROPERTY_MANAGEMENT=false
UPGRADE=false
JDK64BIT=true
BPDEFS_DIR=install_dir/install
PLATFORM_IFCBASE_LIC_PROD_VERSION=1_3
PERIMETER_VER=4_6
CUR_JBOSS_VER=jboss-3.2.1_tomcat-4.1.24
GS_TP_HOST=
PLATFORM_ACTIVEMQ_LIC_PROD_VERSION=1_3
ebicsclient_PRODUCT_LABEL=ebicsclient
TRANSLATOR_VER=8_0
SVC_DIR=install_dir/install/properties/services
MULTICAST_NODE_PORT9=55068
MULTICAST_NODE_PORT8=55067
MULTICAST_NODE_PORT7=55066
PRODUCT_LABEL=platform_afc
MULTICAST_NODE_PORT6=55065
MULTICAST_NODE_PORT5=55064
MULTICAST_NODE_PORT4=55063
FIPS_MODE=false
GSUX_TRACK_DB_POOL=
PLATFORM_ACTIVEMQ_PRODUCT_LABEL=platform_activemq
MULTICAST_NODE_PORT3=55062
PLATFORM_OSGI_PRODUCT_LABEL=platform_osgi
MULTICAST_NODE_PORT2=55061
```

```
MULTICAST_NODE_PORT1=55060
UPGRADE_MINOR_VERSION=2
ORA_USER=user
ebics_PRODUCT_LABEL=Ebics
PLATFORM_ASI_LIC_PROD_VERSION=1_3
B2B_BASE_PRODUCT_LABEL=b2b_base
B2B_BASE_BUILD_NUMBER=4060400
IFC_BUILD_NUMBER=1030400
Standards_PRODUCT_LABEL=Standards
FEDERATION_HTTP_SERVER_PORT=55037
Translator_LIC_PROD_VERSION=8_0
STUDIO_BUILD_NUMBER=1020400
SNMP_PORT3=55025
CONFIG_GS=No
SNMP_PORT2=55024
SNMP_PORT1=55023
CLASS_DIR=install_dir/install/jar
PLATFORM_SECURITY_BUILD_NUMBER=1030400
```

Using the system_overrides.properties File

The system_overrides.properties file is automatically created or updated when you update system settings. It is stored in the *install_dir*/properties directory along with other properties files.

CAUTION:
Although Sterling B2B Integrator may update this file with settings from various components in the system, it is not recommended for user settings. You should use the customer_overrides.properties file for user settings.

The system_overrides.properties file stores information for these and other items:
- Performance tuning wizard (**Operations** > **System** > **Performance** > **Tuning**)
- Log screens in the user interface (**Operations** > **System** > **Logs**)
- QueueWatcher (http://*host*:*port*/queueWatch)
- (Windows only) Passphrase

This file is not manually created like the customer_overrides.properties file. However, it uses the same property naming conventions as the customer_overrides.properties file. These property names use prefixes that are defined in the servers.properties file. For example, the jdbcService.oracleArchivePool.buffersize=500 property value indicates a value for the oracleArchivePool.buffersize property in the jdbc.properties file.

The system_overrides.properties file stores property values that are both directly and indirectly affected by your changes to system settings. The following code example shows both types of changes in a system_overrides.properties file in a Linux installation of Sterling B2B Integrator.

```
jdbcService.oracleArchivePool.buffersize=500
jdbcService.oracleArchivePool.initsize=1
jdbcService.oracleArchivePool.maxsize=30
jdbcService.oraclePool_NoTrans.buffersize=500
jdbcService.oraclePool_NoTrans.initsize=1
jdbcService.oraclePool_NoTrans.maxsize=30
jdbcService.oraclePool_local.buffersize=500
jdbcService.oraclePool_local.initsize=1
jdbcService.oraclePool_local.maxsize=30
jdbcService.oraclePool.buffersize=500
jdbcService.oraclePool.initsize=1
jdbcService.oraclePool.maxsize=30
jdbcService.oracleUIPool.buffersize=500
```

```
jdbcService.oracleUIPool.initsize=1
jdbcService.oracleUIPool.maxsize=30
jdbcService.defaultDocumentStorageType=DB
logService.opslogger.loglevel=ALL
logService.opslogger.maxlogsize=50000
logService.httplogger.loglevel=ALL
logService.httplogger.maxlogsize=50000
noapp.queueWatcher=true
```

- The jdbcService.* values were added after the performance tuning wizard was used to change the values of the fields **Physical memory (MB) allocated to Sterling B2B Integrator** and **Physical Memory Allocated to Server (MB)**.
  - The values that were manually changed were updated in the tuning.properties file.
  - The jdbcService.* values were added to the system_overrides.properties file and the tuningPreviousSettings.properties file. These values affect the jdbc.properties file.
- The logService.* values were added after changes were made to the log settings of the Operations Server and the HTTP Server Adapter.
- The noapp.queueWatcher value was added after changes to the **AE_ExecuteCycle** field on Queues 1 and 4.

Modifying Properties in a .properties.in File

Note: Whenever possible, changing properties by changing the customer_overrides.properties file instead of the *.properties.in files is highly recommended.

Although overriding property file settings using the customer_overrides.properties file is usually the best option for setting and keeping a property value, you can also edit property files. Most *.properties files have associated *.properties.in files. If possible, edit properties in the *.properties.in file rather than the *.properties file directly, since the *.properties.in file sets the value of the *.properties file when the setupfiles script is run.

If a *.properties file does not have an associated *.properties.in file, you will need to edit the *.properties file directly.

Changing Settings in a .properties.in File
About this task

To change settings in a *.properties file by editing its associated *.properties.in file, perform the following steps:

Note: For cluster installations, perform this full procedure for each node.

Note: Leading or trailing whitespace in property files will be respected by Sterling B2B Integrator. This may cause a problem if the system is not expecting white space. When editing property files, be careful to trim leading and trailing whitespace before saving each file.

Procedure
1. From the *install_dir*/install/properties (UNIX/Linux) or *install_dir*\install\ properties (Windows) directory, edit the necessary properties in the *PropertyFileName*.properties.in file.

2. Stop Sterling B2B Integrator.
3. Run the setupfiles script using one of the following steps:
   * UNIX or Linux – From the *install_dir*/install/bin directory, run the setupfiles.sh command.
   * Windows – From the *install_dir*\install\bin directory, run the setupfiles.cmd command.
4. Start Sterling B2B Integrator.

Changing Properties in a *.properties File

About this task

Note: You should only edit a *.properties file directly if it does not support the use of the customer_overrides.properties file and does not have an associated *.properties.in file.

For cluster installations, perform this full procedure for each node.

Note: Leading or trailing whitespace in property files will be respected by Sterling B2B Integrator. This may cause a problem if the system is not expecting whitespace. When editing property files, be careful to trim leading and trailing whitespace before saving each file.

To change settings in a *.properties file directly, perform the following steps:

Procedure

1. Stop Sterling B2B Integrator.
2. From the *install_dir*/install/properties (UNIX/Linux) or *install_dir*\install\ properties (Windows) directory, edit the necessary properties in the *PropertyFileName*.properties file.
3. Start Sterling B2B Integrator.

Tagged Property Files

Property files include commented tags that document information about the files and their properties.

Property tags are differentiated into the following categories. Each property file must contain one or more of the following types of tags:
* File tags
* Property tags
* Miscellaneous tags

Property File Tags

The following file tags appear at the beginning of a property file:

Tag	Description
PROPERTY_FILE_NAME	Name of the property file
PROPERTY_FILE_DESCRIPTION	Description of the property file.

Property Tags

The following property tags are used once per property in a property file:

Tag	Description
PROPERTY_START, PROPERTY_END	Beginning and End tags of property-specific tags for each property. Helps identify individual properties for inline documentation.
PROPERTY_NAME	Name of the property.
PROPERTY_GROUP	(Optional) Group that includes property, when you have related properties that can be grouped.
PROPERTY_TYPE	Type of property (String, boolean, integer).
PROPERTY_DESCRIPTION	Description of the property.

Miscellaneous Tags

Tag	Description
PROPERTY_VALUE_ALL	Used to group all property values at the end of a file. For example, related property values that use conditional statements to determine their value may be grouped.

Sample Tagged Property File

The following example shows part of the tagging for the archivethread.properties.in file:

```
## PROPERTY_FILE_NAME
## archivethread.properties.in (for initialization)
## archivethread.properties (for operations)
## PROPERTY_FILE_DESCRIPTION
## The archivethread.properties file is used to control Purge service functionality.
## The default settings for the properties in the archivethread.properties file should
## only be modified if you are having problems running the Purge service.
##
## The properties in the archivethread.properties file cannot be overridden.
## Any property changes necessary should be made in the
## archivethread.properties.in file.
##
## CAUTION:
## The Purge service is a critical part of Sterling B2B Integrator and
## incorrectly-set parameters in the archivethread.properties file can cause problems.
## Contact IBM Customer Support for assistance before modifying any property settings
## in this file.
##
## PROPERTY_START
## PROPERTY_NAME: DETAILS_REPORT_FLAG
## PROPERTY_TYPE: Integer
## PROPERTY_DESCRIPTION
## If set to 1, provides additional details in the report logs.
DETAILS_REPORT_FLAG=0
## PROPERTY_END
## PROPERTY_START
## PROPERTY_NAME: GENERATE_PURGE_DOCDISK_LIST
## PROPERTY_TYPE: Boolean
## PROPERTY_DESCRIPTION
## Specifies whether to generate a file that lists documents stored
## on disk that are eligible to be removed from the file system.
## Valid values:
## true : Generate a file (default)
## false : Do not generate a file.
```

```
                GENERATE_PURGE_DOCDISK_LIST=true
                ## PROPERTY_END
                .
                .
                .
```

Properties for LDAP User Authentication

This section assumes you understand how LDAP servers work. IBM also recommends that you read the following documents on LDAP technology, which are available by searching the Internet:

- W. Yeong, T. Howes, and S. Kille, RFC 1777 - *Lightweight Directory Access Protocol*. March 1995.
- Mark Wilcox, *Implementing LDAP*. Wrox Press, 1999.

By default, all authentication is performed against the Sterling B2B Integrator database. When a user enters a login ID and password, it is validated against the login ID and password that is stored in the database. This requires the system administrator to set up login IDs and passwords for each user.

You may choose to use an LDAP server for authentication. When using LDAP, the users, user groups, and access control must be set up in the Sterling B2B Integrator.

For more information, refer to the security documentation for Sterling B2B Integrator.

Securing the Interop Servlet

The tasks to customize authentication and authorization for the HTTP API servlet include additions to the customer_overrides.properties file. This file allows you to control authentication from within the InteropHttpServlet, which supports both container and token-based authentication.

To configure container and/or token-based authentication, set the following properties in the customer_overrides.properties file:

- yfs.interopservlet.auth.container.enabled=true/false
- yfs.interopservlet.auth.token.enabled=true/false
- yfs.interopservlet.auth.userPassword.enabled=true/false

CAUTION:
Change only the properties referred to in this section. Changes to any other properties for the purpose of securing the interop servlet are not supported.

If every enabled option fails, then the user is not authenticated. The default value is true for the interopservlet.auth.token.enabled property and the interopservlet.auth.userPassword.enabled property.

Note: As a special case, if no authentication mechanisms are enabled, then full access will be granted to the servlet. This should not be done on a production server.

Access to the HTTP API can also be secured via modifications to the deployment descriptor. The deployment descriptor's web.xml is defined by the servlet specification from Sun Microsystems. This deployment descriptor can be used to

deploy a Web application on any J2EE-compliant application server. The
deployment descriptor for Sterling B2B Integrator is stored in the following
directory:

- UNIX/Linux

  install_dir/repository/eardata/platform/
  descriptors/*application_server_type*/WAR/WEB-INF

  Valid values for *application_server_type* are JBoss, WebLogic, or WebSphere.

- Windows

  install_dir\repository\eardata\platform\
  descriptors*application_server_type*\WAR\WEB-INF

  Valid values for *application_server_type* are JBoss, WebLogic, or WebSphere.

By using the security-constraint element with the web-resource-collection element,
you can set up authorization to protect this page from unauthorized access. For
more information about the web.xml deployment descriptor, see the
documentation for your application server.

Enable Different Properties for Individual Processes

About this task

It is possible to specify different properties for each process you are running. To do
this, you must have a different servers.properties file and
customer_overrides.properties file for each process that you are running. The
servers.properties file has information that you use in the customer overrides file.

For example, some of the processes in servers.properties would look like:

noapp=*property_dir*/noapp.properties

shell=*property_dir*/noapp.properties

weblogic=*property_dir*/noapp.properties

websphere=*property_dir*/noapp.properties

jboss=*property_dir*/noapp.properties

jdbcService=*property_dir*/jdbc.properties

The names on the left are abbreviations for process names that are used in the
customer_overrides.properties file. The values on the right indicate the files that
contain the properties.

To specify different properties for each process:

Procedure

1. In the start scripts for the process, set the following:
   -DvendorFile=*your_custom_servers.properties*
2. In your customer servers.properties file, change the entry for
   customer_overrides.properties to point to your new
   customer_overrides.properties file.

Properties to Prevent Cross-Site Script Vulnerabilities

In some cases, data to and from Sterling B2B Integrator can contain HTML characters that impact the display and the original intent of the input. In addition, data can be input that contains malicious HTML, such as commands embedded within <SCRIPT>, <OBJECT>, <APPLET>, and <EMBED> tags.

CAUTION:
Change only the properties referred to in this section. Changes to any other properties for the purpose of preventing cross-site vulnerabilities are not supported.

The yfs.htmlencoding.triggers property in the yfs.properties.in file specifies the following characters that could signify potentially unsafe HTML content:

- Greater than symbol (>)
- Less than symbol (<)
- Right parenthesis ( ))
- Right bracket ( ])

If needed, you can add any other characters necessary for your specific implementation to the customer_overrides.properties file.

If information being written to the browser contains any of these characters, the output is safely encoded to prevent exploitation of cross-site scripting vulnerabilities.

For more detailed information about malicious scripts, see the following articles, which are available by searching the Internet:

- CERT Advisory, Malicious HTML Tags Embedded in Client Web Requests.
- CERT Advisory, Frequently Asked Questions About Malicious Web Scripts Redirected by Web Sites.

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