

Movers Suite

User Guide

User Guide to SIRVA Integration

Overview and setup for integration with SIRVA

User Guide to SIRVA Integration

Version 3.8 (Spring 2009)

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SIRVA Hub Integration with MoversSuite



SIRVA Hub Order Upload and Download

Orders registered through the SIRVA Hub mainframe can be downloaded into MoversSuite and orders booked in MoversSuite can be uploaded to SIRVA Hub. Van lines and agents, alike, can take advantage of the benefits of both systems without concern for duplication and loss of data.

Each system exchanges records through an XML file format and MoversSuite employs Microsoft BizTalk Server to standardize the translation of these records.

MoversSuite users can access the download and upload options through the Tools menu.

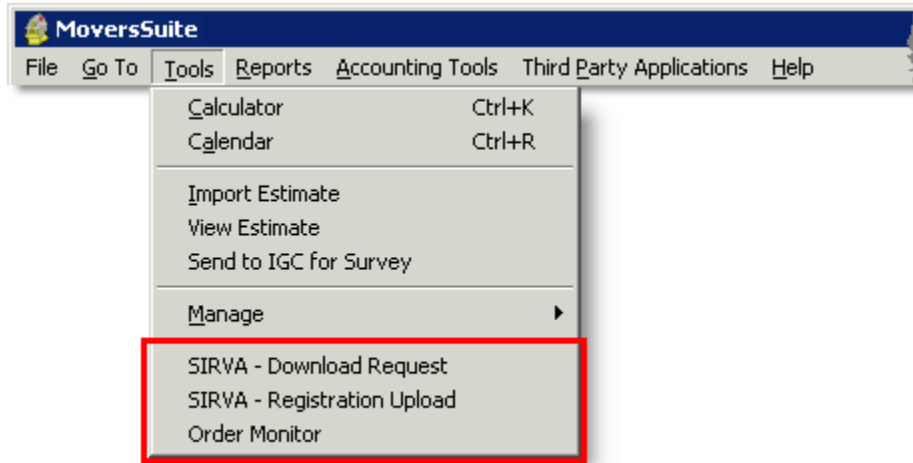


Figure 1: SIRVA Hub options within MoversSuite.

Available SIRVA Hub options in MoversSuite

SIRVA Hub Options	Description
SIRVA – Download Request	Retrieves data from a corresponding SIRVA Hub registered order. The order must be open and active.
SIRVA – Registration Upload	Sends the active (non-booked order) record to SIRVA Hub to be registered through the SIRVA Hub application.
Order Monitor	Used to track registration upload requests. This application is separate from MoversSuite and can be used to continually monitor the request(s) sent to SIRVA Hub as part of a SIRVA Registration Upload.

SIRVA Registration Upload

Leads established in MoversSuite can be uploaded and registered within SIRVA Hub.

The **SIRVA – Registration Upload** option will become available when all necessary library files are present and the MoversSuite order is associated to a SIRVA Hub branch.

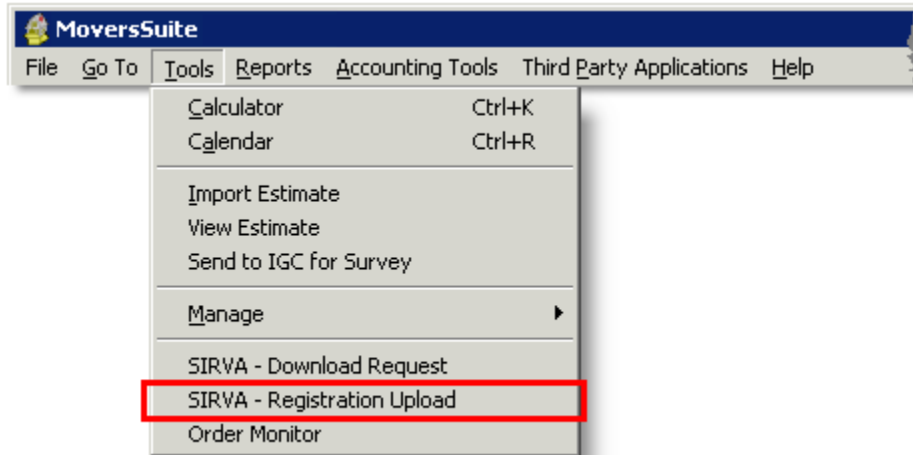


Figure 2: SIRVA - Registration Upload option.

When the option is evoked the MoversSuite user will need to provide a SIRVA Login and Password and any SPLC codes needed for each location associated to the active order.

The screenshot shows the 'SIRVA - Registration Request' dialog box. It contains the following fields and elements:

- SIRVA Login:
- SIRVA Password:
- Provide SPLC codes when needed:

SPLC	Type	Address
303909	Pickup	123 Main Grand Junction, CO 81501 United States of America
303909	Delivery	323 Main Grand Junction, CO 81502 United States of America
303909	Stop	999 Church Rd Grand Junction, CO 81501 United States of America
- Buttons: Continue, Cancel

Figure 3: SIRVA - Registration Request login screen.

SIRVA Hub requires SPLC codes to exact the location of the following types:

- Pickup (Origin Address)
- Delivery (Destination Address)
- All entered Extra Stops

The request will generate an XML file and transmit it to SIRVA. The user can monitor the request, along with other requests, using the **Third Party Interface Order Monitor**. The Third Party Interface Order Monitor will appear automatically when the upload is requested and will remain open until the user chooses to close it. Multiple requests can be processed concurrently and monitored using this application.

The Third Party Interface Order Monitor can be accessed through menu option of **Tools > Order Monitor**.

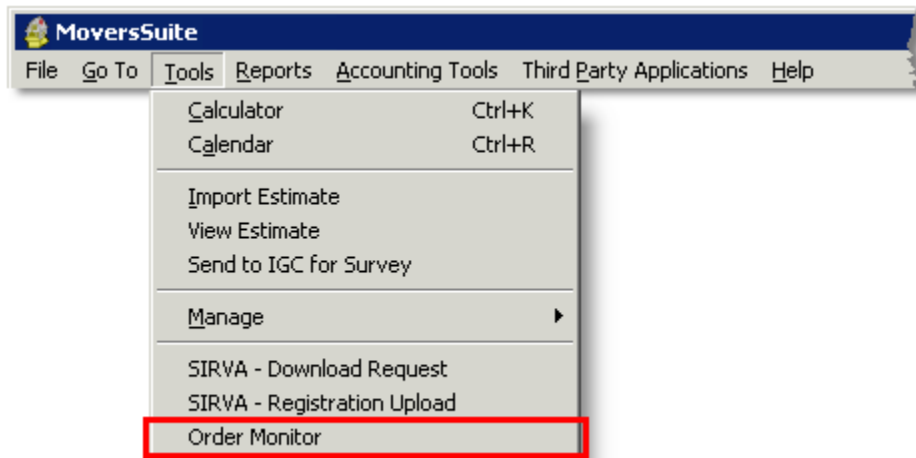


Figure 4: Tools > Order Monitor option.

Records sent to SIRVA Hub will be in a submitted state. Once the record is approved it will be returned back to MoversSuite as a registered order and the Order Number will be set.

Third Party Interface Order Monitor

The status of the registration upload will be indicated by a color-coded button next to the most recent status message. A detailed error message will appear within the screen and will provide the user enough information to identify and/or correct the source of the problem.

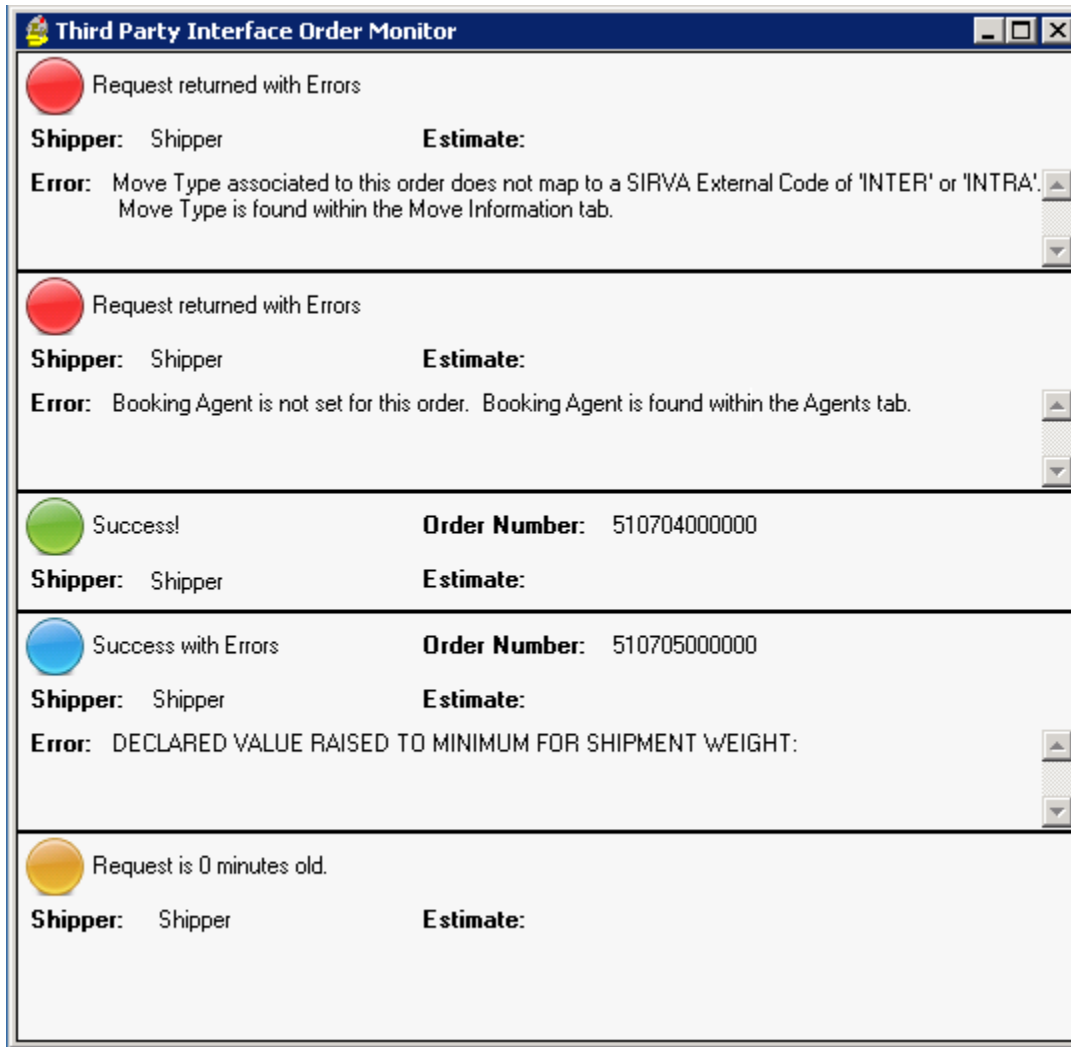






Figure 5: Third Party Interface Order Monitor

Status Codes used within the Third Party Interface Order Monitor

Status Indicator	Description
	Red – Request was returned with an error. A detailed error message will appear within the screen.
	Yellow – Request has been sent and is pending confirmation from SIRVA.
	Green – Request has been successfully completed. An Order Number will be established and displayed within the monitor screen. The order will now be booked within MoversSuite.
	Blue – Request has been successfully completed but with an error.

The order monitor can be closed and reopened at anytime and the information regarding submitted requests will be retained. To reopen the order monitor, open any order booked on a SIRVA Hub branch and select the **MoversSuite > Tools > Order Monitors** option.

A user can clear the order from the order monitor by clicking on color status indicator. A request does not have to be cleared in order to reprocess the request (through **MoversSuite > Tools > SIRVA – Request Upload**).

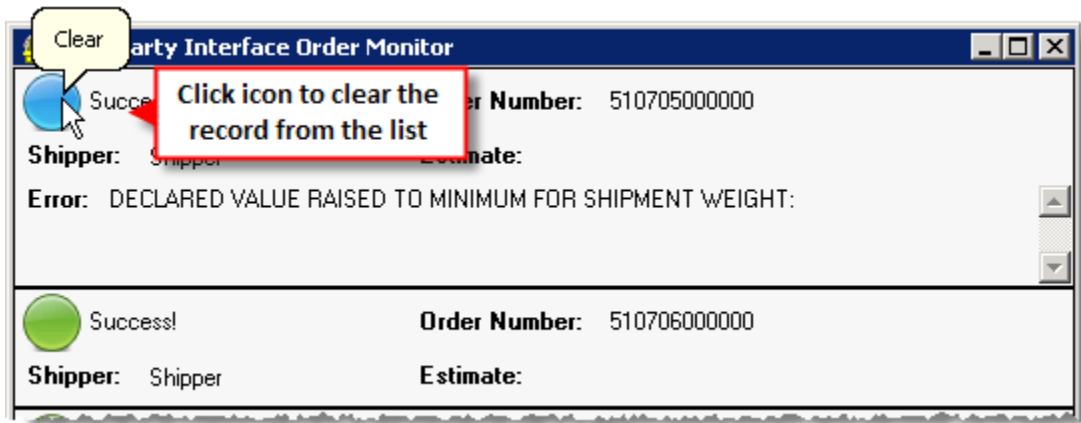


Figure 6: Clearing records from the Third Party Interface Order Monitor

Important: Avoid clearing pending requests. If a request is cleared before it is returned to MoversSuite then redundant orders may be generated.

Interpreting SIRVA Upload Error Messages

The error messages returned to the Third Party Interface Order Monitor for an SIRVA Registration Upload request will be created from both systems: MoversSuite and the SIRVA Hub. Messages from MoversSuite will be worded such as to specifically identify the cause of the problem and the field being referenced.

A typical error message from MoversSuite will be worded similar to the following:

Error: Booking Agent is not set for this order. Booking Agent is found within the Agents tab.

Messages from the SIRVA Hub will typically be in all uppercase lettering and may contain the ATS Program information. The ATS Program will help indicate where the upload process encountered an error as displayed in the table below.

ATS Program Name	Error encountered will be related to the following:
RGR01	GENERAL section, contains the Booker and Self Haul Agents
RGR02	Origin location and OASV/EASV information
RGR03	Destination location and DASV information

RGR04	Shipment Weights and Miles information
RGR30	Bulk items such as VEHICLE, etc.
RGR32	Container/Pack/Unpack information
RGR34	Crates information
RGR35/CRA55	Services like LABR, etc.
RGR36	Valuation information
RGR38	Storage information

Setting up an order to be registered with SIRVA

Many fields must be set prior to submitting a registration request to SIRVA. Listed below are the fields that must have correct values set for them within MoversSuite.

Many of the fields listed in the table below must be associated to SIRVA Hub codes in order to be recognized by SIRVA Hub when the registration is submitted. This association is created through External Code (Van Line Code) mappings performed within administrative setup. The fields that require association to an external code are also denoted in the table. Details of this setup are described within the [SIRVA Upload and Download Setup and Administration](#) section.

A user will receive an error message when required fields are not set or are not mapped correctly to a SIRVA Hub code.

SIRVA fields referenced in MoversSuite

All the MoversSuite fields listed in the table below are referenced by SIRVA Hub and most, if not all, will be required to process a SIRVA Registration request. Fields required to be mapped to a SIRVA Hub external code are denoted with a (*).

Important: Not all fields are required by the SIRVA Hub. Each case is different depending on the request type, agreement specified, etc. Setting a field that is not required may be returned in error.

Fields referenced in <u>Name, Address, Phone</u>
Last Name
First Name
Moving From > Location Type*

Moving From > Home Phone
Moving From > Address (top two lines)
Moving From > City
Moving From > Country
Moving From > State
Moving From > Postal Code
Moving To > Location Type*
Moving To > Home Phone
Moving To > Address (top two lines)
Moving To > City
Moving To > Country
Moving To > State
Moving To > Postal Code
Consignee > Contact Name
Consignee > Contact Phone
Salesperson*
Transportation Coordinator*
Fields referenced in <u>Agents</u>
Booking Agent
Destination Agent
Hauling Agent (self haul only)
Origin Agent
OA Surveyor*
Fields referenced in <u>Move Information</u>
Commodity*
Shipment Type*

Move Type*
Preferred Van Request (optional)
Miles (required if more than three locations are associated to a move within the lower 48 states)
Disc l/h (linehaul amount)
Shipment Details > Product Code (Special Services orders only) *
Shipment Details > Product Type(Special Services orders only) *
Request Self Haul
Service Type
Hauling Agent if self haul
Automobile > Weight
Automobile > Make*
Automobile > Model
Automobile > Year
Automobile > Auto With Shipment
Automobile > Length
Automobile > Width
Automobile > Height
Valuation*
Valuation > Per Pound (included if the valuation Amount is not set)
Valuation > Amount (if this is set, then the Per Pound is not included)
Fields referenced in <u>Billing Information</u>
Payment Type*
Tariff/Rate*
Section (must be a 3-digit number)
Discount
Estimate Amount (optional – can cause an error if specified when not requested for a particular agreement)

Peak Rates Apply
National Account > Account Number
Invoicing Information > Requirement
Guarantee Price Info > Credit Per CWT
Guarantee Price Info > Maximum Containers/Packing Charge
Guarantee Price Info > Description (for each CPU type)
Guarantee Price Info > Rate (for each CPU type)
Payment Information > Method*
SIT Information > SIT at Origin > Storage Agent
National Account > Account (must be an eight-digit number)
Registration Authorization (initials)
Purchase Order Number (unless military order in which case the GBL or SSN is used)
Guarantee Price Info (at least one Rate must be set for one of Containers or Packing) *
Fields referenced in <u>Military/Government</u> Information for Military move only
GBL or SSN
Bases > Carrier
Bases > Origin
Bases > Destination
Fields referenced in <u>Extra Stops</u> (at least one segment must be established)
Segment Information > Number
Segment Information > Estimated Weight
Segment Information > Billed Weight
Segment Information > Estimated Cubic Feet
Segment Information > Billed Cubic Feet
Segment Information > Miles
Segment Information > Load Date Range

Segment Information > Load Time Range
Segment Information > Delivery Date Range
Segment Information > Deliver Time Range
Segment Information > Pack Date Range

Reference the [SIRVA Registration Upload Content](#) section for a complete listing of fields sent to SIRVA.

See the [SIRVA Upload and Download Setup and Administration](#) section for information on how to set up for SIRVA Registration Uploads and on conditional requirements necessary for SIRVA.

Guarantee Pricing Program (GRR) Information

Shipments under the Guarantee Pricing Program (GRR) will require additional data which can be set within the **Billing Information > Guarantee Price Information** screen. The Tariff/Rate (plan) assigned to the order will indicate whether the shipment is under GRR or not; the Rate Plan will be assigned to a Van Line Code (external code) of "GRR."

Additional administrative setup will be needed to ensure that the **Containers** and **Packing** codes are associated to Item Codes that map to SIRVA Hub Container Type codes. Refer [SIRVA Upload and Download Setup and Administration](#) and specifically reference [Materials Setup for SIRVA](#) and [XmlItemCode Settings for SIRVA](#).

When GRR is in effect the **Maximum Containers/Packing Charge, Credit Per CWT**, and at least one **Containers** or **Packing Rate** must be set.

	Containers	Packing	Unpacking
Description	Rate	Rate	Rate
Dish Pack			
Book Carton			
1.5 Cubic Feet			
3.0 Cubic Feet			
4.5 Cubic Feet			
6.0 Cubic Feet			
6.5 Cubic Feet			
Wardrobe			
Single Matt.			
Double Matt.			
King/Sp Matt.			
King/Queen Matt.			
Crib			
Mirror			
Lamp			

Figure 7: Billing Information > Guarantee Pricing Information screen.

SIRVA Download Request

Van line orders registered through SIRVA Hub can be downloaded into MoversSuite. All clients using SIRVA Hub can take advantage of all the features of both SIRVA Hub and MoversSuite, including revenue and payment processing .

Once the necessary library files are added, the **SIRVA – Download Request** option will become available to MoversSuite users. When evoked, the system will contact SIRVA Hub and request data for active order. The request will require that the user enter a valid SIRVA Hub Login and Password.

Figure 8: SIRVA-Download Request login and password dialog.

If the request is accepted, an XML will be sent back to MoversSuite where it will be used to update the active order in the database. Errors encountered during the process can be viewed through the Third Party Application Error Management screen available through the Information Bar. **Note:** The red dot attached to the **Third Party Application Error Management** access button indicates that a serious error occurred while MoversSuite was interacting with a third party interface.

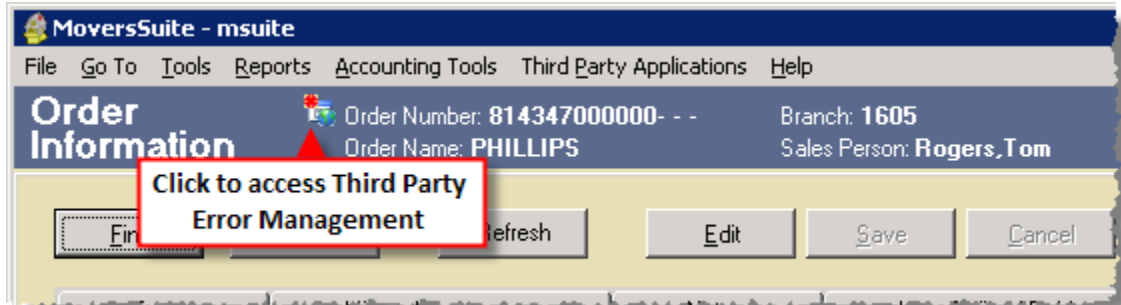


Figure 9: Accessing the Third Party Error Management screen.

The errors received during SIRVA Download Requests are typically related to administrative setup. See the [SIRVA Upload and Download Setup and Administration](#) section for details.

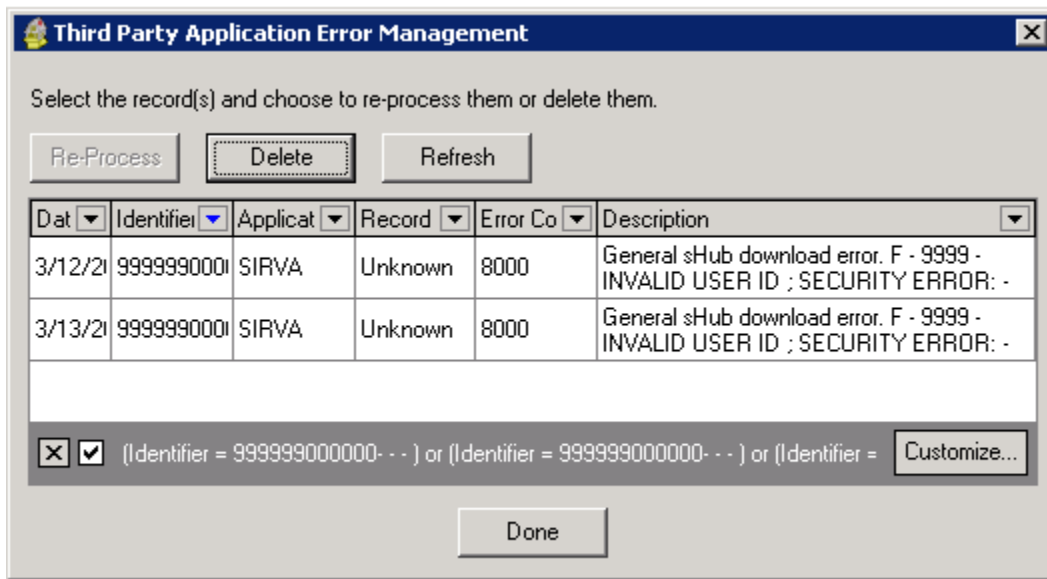


Figure 10: Third Party Application Error Management interface.

Note: By default, only errors for the active order are displayed in the Third Party Application Error Management grid. This default setting can be updated through the Customize option.

Data within the active order will be updated upon a successful SIRVA Hub download request. Reference the [SIRVA Registration Download Content](#) section for a listing of fields updated by SIRVA downloads.

Important: Downloaded orders from any external system can overwrite data in a MoversSuite order.

SIRVA Upload and Download Setup and Administration

This section describes the administrative settings needed to support processing with SIRVA Hub .

Summarized in the table below are the settings necessary to successfully interface with SIRVA Hub followed by sections providing more detailed information on each.

Important: Errors will be encountered during the upload and download processes if the correct codes and mappings are not defined within MoversSuite.

Refer to the [Setting up an order to be registered with SIRVA](#) for application settings referenced in the following table.

Administrative Area	Brief Description
Setting up security and user access:	
Agent	Agents referenced by SIRVA Hub need to be defined within this setup area and assigned to a SIRVA Hub Vanline . Origin Agents will need to be defined as a Sister Agency to allow the OA Surveyor agent to be specified. MoversSuite Administration - web > Move Setup > Agent
Personnel Interface Mapping	Associate employees specified within MoversSuite to External Codes required by SIRVA Hub for each Interface. MoversSuite Administration - web > User Setup > Personnel Interface Mapping
Security Profile/User Access	MoversSuite Administration - web > User Setup > Security Profile <i>Order Information Module</i> must have the appropriate branch in order for users to access the Third Party Interface Order Monitor . MoversSuite Administration - web > User Setup > Personnel > User Setup
XmlInterfaceBranch	Branches must be assigned to an Import Source for SIRVA Hub in order for users assigned to the branch to be able to access SIRVA Hub options within MoversSuite. Mover's Suite Administration > Third Party Apps > XmlInterfaceBranch
Setting up mapping codes for SIRVA:	
Address Location Type External Interface Mapping	Associate address location descriptions specified within MoversSuite to External Codes required by SIRVA Hub for each Interface. MoversSuite Administration - web > Move Setup > Address Location Type
Auto Make	Associate automobile manufacturers specified within MoversSuite to External Codes required by SIRVA Hub for each Interface. MoversSuite Administration - web > Move Setup > Auto Make
Branch Setup	Associate a Van Line to the Branch of use. Note: More importantly, the XmlInterfaceBranch table is set up with branches used with SIRVA. MoversSuite Administration - web > Common > Branch Setup

Commodity Type	Associate commodity codes specified within MoversSuite to Commodity Codes required by SIRVA Hub. Mover's Suite Administration > MMS > General > CommType
Materials	Guarantee Pricing Information is based off of Containers, Packing and Unpacking (CPU) data defined within MoversSuite Administration - web > Accounting Setup > Materials . If the Rate Plan references an external code of GRR then Materials must be defined in MoversSuite > Billing Information > Guarantee Price Info .
Move Type External Interface Mapping	Associate move type descriptions specified within MoversSuite to External Codes required by SIRVA Hub. Define Order Number Styles to be applied to orders registered with SIRVA Hub and downloaded into MoversSuite. MoversSuite Administration - web > Move Setup > Move Type
National Account	Accounts referenced by SIRVA Hub need to be added and the correct number set within the Account # field. MoversSuite Administration - web > Move Setup > National Account
Note Type	Associate note descriptions specified within MoversSuite to Van Line Codes required by SIRVA Hub. Mover's Suite Administration > MMS > General > Note Type
Order Numbers	Associate an Order Numbers definition within MoversSuite to a Van Line referenced by SIRVA Hub. MoversSuite Administration - web > Move Setup > Order Numbers
Payment Method	Associate payment methods specified within MoversSuite to External Codes required by SIRVA Hub for each Interface. MoversSuite Administration - web > Move Setup > Payment Method
Payment Type	Associate payment types specified within MoversSuite to External Codes required by SIRVA Hub for each Interface. MoversSuite Administration - web > Move Setup > Payment Type
Product Code	Associate product codes specified within MoversSuite to External Codes required by SIRVA Hub for each Interface. MoversSuite Administration - web > Move Setup > Product Code
Product Type	Associate product types specified within MoversSuite to External Codes required by SIRVA Hub for each Interface. MoversSuite Administration - web > Move Setup > Product Type
Rate Plans	Associate rate plans specified within MoversSuite to Van Line Codes required by SIRVA Hub for the type of pricing being applied, e.g. "GRR", "TPG." Mover's Suite Administration > AFS > Rates > Rate Plans
Shipment Type	Associate shipment types specified within MoversSuite to Van Line Codes required by SIRVA Hub. Mover's Suite Administration > MMS > General > Shipment Type
Valuation & Per Pound	Associate valuations defined within MoversSuite to External Codes required by SIRVA Hub for each Interface. Specify Per Pound amount values that are accepted by SIRVA.

	MoversSuite Administration - web > Move Setup > Valuation
XmlImportTypeInterfaceMap	Establish a SIRVA Download Request process for Rating Order for SIRVA Hub source. Mover's Suite Administration > Third Party Apps > XmlImportTypeInterfaceMap
XmlItemCode	Associate external SIRVA Hub Container Types as XmlItemCodes to MoversSuite Material Types for use in the SIRVA Registration Download process. Mover's Suite Administration > Third Party Apps > XmlItemCode

Detailed in the following sections are the administrative settings in MoversSuite that may or may not need to be set or updated. Confirming that all supported SIRVA Hub codes are established within MoversSuite will reduce the number of errors encountered when interfacing with SIRVA Hub .

Address Location Type Settings for SIRVA

MoversSuite Administration - web > Move Setup > Address Location Type

Set **Address Location Type** records to map to SIRVA-supported External Codes. The table below lists the known External Codes supported by SIRVA. Obtain the most accurate list of supported *Location Site* codes from SIRVA.

Location Site Code	Description
MD	Main Delivery
MP	Main Pickup
PT	Port
XD	Extra Delivery
XP	Extra Pickup

Specific pairings are required when defining segments, for example an Address Location Type referenced as a "MP" can only be mapped in Extra Stops/Segments to a "MD" and a "XP" can only be mapped to a "XD." A mapping of "MD" to "XP" is invalid, for example.

Field reference in MoversSuite

Address Location Type is referenced by:
MoversSuite > Name, Address, Phone > Location Type
MoversSuite > Extra Stops > Location Type

Conditional Address Location Type requirements for SIRVA

Various data must be set depending on what SIRVA Hub *Location Type* code the **Address Location Type** is associated to.

If an Address Location Type is associated to “MP” or “XP” then a SIRVA Hub Service Code of “OASV” will be returned along with the agent associated to any origin and pickup locations.

If an Address Location Type is associated to “MD” or “XD” then a SIRVA Hub Service Code of “DASV” will be returned along with the agent associated to any destination and delivery locations.

Agent Settings for SIRVA

MoversSuite Administration - web > Move Setup > Agent

Set the **Agent ID** to a value that corresponds to the agents defined within SIRVA. The Agent ID must be set up in the correct format and must not contain special characters such as hashes and spaces.

Set the **Vanline** to a van line supported by SIRVA.

Set the **Sister Agency** flag and field to an agency supported by SIRVA. The Sister Agency will allow the OA Surveyor to become active within MoversSuite. The personnel available to the OA Surveyor field will be based on the selected agency; these employees will need to be mapped to a SIRVA Hub external code (see [Personnel Interface Mappings for SIRVA](#)).

The screenshot shows the 'Agent' form in MoversSuite Administration. At the top, there is a dropdown menu for 'Agent' with '-select one-' and a 'New' button. Below this is the 'General' section, which includes 'General Information' and 'Address' sub-sections. The 'General Information' section contains the following fields: 'Agent ID' (highlighted in yellow), 'Name' (text input), 'Contact' (text input), 'Vanline' (dropdown menu with '-select one-' highlighted in yellow), 'Sister Agency' (checkbox and dropdown menu with '-none-' highlighted in yellow), and 'Memo' (text area with up/down arrows). The 'Address' section is partially visible at the bottom.

Figure 11: MoversSuite Administration - web > Move Setup > Agent.

Field reference in MoversSuite

Agent ID is referenced by:
MoversSuite > Agents > Booking Agents
MoversSuite > Agents > Origin Agents

MoversSuite > Agents > Hauling Agents

MoversSuite > Agents > Destination Agents

Auto Make Settings for SIRVA

MoversSuite Administration - web > Move Setup > Auto Make

Referenced by: MoversSuite > Move Information > Make

Auto Make records must be established with the following **External Codes** appropriate for SIRVA. Listed in the table below are the default manufacturers supplied by MoversSuite. The External Codes, known as *Item Make* codes in SIRVA Hub, that correspond to each of these descriptions will need to be obtained from SIRVA.

Auto Make Description
ACURA
AUDI
BENTLEY
BMW
BUICK
CADILLAC
CHEVROLET
CHRYSLER
DODGE
FERRARI
FORD
GMC
HONDA
HUMMER
HYUNDAI
INFINITI
ISUZU
JAGUAR
JEEP
KIA
LAND ROVER
LEXUS
LINCOLN

LOTUS
MASERATI
MAZDA
MERCEDES
MERCURY
MINI
MITSUBISHI
NISSAN
OLDSMOBILE
OTHER
PONTIAC
PORSCHE
ROLLSROYCE
SAAB
SATURN
SCION
SUBARU
SUZUKI
TOYOTA
VOLKSWAGEN
VOLVO

Field reference in MoversSuite

Auto Make is referenced by:
MoversSuite > Move Information > Make

Branch Setup for SIRVA

MoversSuite Administration - web > Common > Branch Setup

Set the **Van Line** for branch records to be associated to SIRVA Hub moves. This setting represents the branch of use for the order created in MoversSuite and registered in SIRVA.

Field reference in MoversSuite

Referenced by:

New order creation (view it through the Information Bar)

Commodity Type Settings for SIRVA

Mover's Suite Administration > MMS > General > Comm Type

Set the Commodity Codes to SIRVA-supported values. The table below lists the default values supplied by MoversSuite. Obtain the most accurate list of supported *Shipment Type* codes from SIRVA.

Commodity Code	Commodity Description
HHG	Household Goods
PRD	Product
GCM	General Commodity
DSP	Display
O&I	Office and Industrial

Field reference in MoversSuite

Commodity is referenced by:

MoversSuite > Move Information > Commodity

Conditional Commodity Type requirements for SIRVA

Various data must be set depending on what SIRVA Hub *Shipment Type* code the **Commodity Code** is associated to. This section details these conditions.

If a Commodity Type is associated to "PRD" then the following fields will be required/included for the registration upload to SIRVA:

- Move Information > Disc I/h (linehaul)**
- Move Information > Preferred Van Request**
- Move Information > Shipment Details > Product Code**
- Move Information > Shipment Details > Product Type**

If a Commodity Type is associated to "DSP" then the same fields for "PRD" will be required/included, except for the Product Type.

If a Commodity Type is associated to "HHG" then the following fields will be required:

- Extra Stops > Segments > Load Date (ending)**
- Extra Stops > Segments > Delivery Date Range**

Additionally, the User Service Code will be set to "EASV" and the Marketing Program and Estimate Method will be hardcoded to a value of "N."

Materials Setup for SIRVA

MoversSuite Administration - web > Accounting Setup > Materials

When Guarantee Price Information is required for registration (Rate Plan references an external code of GRR), Materials records must be set up to reference the correct Container, Packing and Unpacking codes described in the [XmlItemCode Settings for SIRVA](#) section.

Materials types are used by SIRVA Registration Upload and Download.

Field reference in MoversSuite

Materials is referenced by:
MoversSuite > Billing Information > Guarantee Pricing Information

Move Type Mappings for SIRVA

MoversSuite Administration - web > Move Setup > Move Type

Verify that SIRVA-supported **Branches** are defined.

Set the **Order Number Style** field to a style that is associated to SIRVA Hub van line.

Define **External Codes** that map to SIRVA Hub interface(s) and appropriate Move Types. Currently, either **INTER** or **INTRA** (*Hauling Authority Type* codes) will be valid for SIRVA Registration requests.

Field reference in MoversSuite

Move Type is referenced by:
MoversSuite > Move Information > Type of Move

National Account Setting for SIRVA

MoversSuite Administration - web > Move Setup > National Account

Set the **Account #** field to a SIRVA-supported account for all needed **National Account** records. The Account # must be in the correct format and contain no special characters, such as hashes or spaces.

Figure 12: MoversSuite Administration - web > Move Setup > National Account.

Field reference in MoversSuite

Account # is referenced by:
MoversSuite > Billing Information > National Account > Account

Note Type Setting for SIRVA

Mover's Suite Administration > MMS > General > Note Type

The following **Note Type** and **Van Line Code** must be established in order to successfully process SIRVA Hub downloads.

Van Line Code	Note Type Description
ARMK	"Allied Remarks"

Field reference in MoversSuite

Note Type is referenced by:
MoversSuite > Notes > Type

Order Numbers Settings for SIRVA

MoversSuite Administration - web > Move Setup > Order Numbers

Set the **Van Line** for all records that will be used to define SIRIVA-registered orders in MoversSuite. The Order Number is assigned to a record through the Move Type setup.

Field reference in MoversSuite

Order Number is referenced by:
MoversSuite Administration - web > Move Setup > Move Type

Payment Method Settings for SIRVA

MoversSuite Administration - web > Move Setup > Payment Method

Set **Payment Method** descriptions and assign SIRVA-supported **External Codes**. The following table lists the default values supplied by MoversSuite. Obtain the most accurate list of supported *Payment Method* codes from SIRVA.

External Code	Payment Method Description
AE	American Express
CC	COD Cash, Cert. Funds
DC	Discover
MC	Master Card
NA	National Account
PP	Pre Paid (Credit Card)
VC	Visa

Field reference in MoversSuite

Payment Method is referenced by:
MoversSuite > Billing Information > Payment Information > Method

Payment Type Settings for SIRVA

MoversSuite Administration - web > Move Setup > Payment Type

Set **Payment Type** records with the following **External Codes** appropriate for SIRVA. The following table lists the default values supplied by MoversSuite. Obtain the most accurate list of supported *Payment Type* codes from SIRVA.

External Code	Payment Type Description
CHG	Charge
PPD	Prepaid

COD	Cash on Delivery
-----	------------------

Field reference in MoversSuite

Payment Type is referenced by:
MoversSuite > Billing Information > Payment Information > Type

Personnel Interface Mappings for SIRVA

MoversSuite Administration - web > User Setup > Personnel Interface Mapping

Assign **Employees** to SIRVA-supported **External Codes**. Obtain the most accurate list of supported personnel identifiers from SIRVA. Each of the users listed in the field reference table below will need to be mapped to a SIRVA Hub External Code.

Field reference in MoversSuite

Personnel is referenced by:
MoversSuite > Name, Address, Phone > Transportation Coordinator
MoversSuite > Name, Address, Phone > Salesperson
MoversSuite > Agents > OA Surveyor

Product Code Setting for SIRVA

MoversSuite Administration - web > Move Setup > Product Code

Product Code records must be set up with the following **External Codes** appropriate for SIRVA. The following table lists the default values supplied by MoversSuite. Obtain the most accurate list of supported *Product Codes* from SIRVA.

External Code	Product Code Description
AGRI	AGRICULTURAL (EXEMPT)
ART	ART OBJECTS
AUTO	AUTO - RELOCATION
AUTP	AUTO - PROTOTYPES
AUTS	AUTO - SPECIAL HANDLING
COMM	COMMERCIAL PROD (NON-MECHANICAL/ELECTR)
COMP	COMPUTER EQUIPMENT

COPY	COPYING / DUPLICATING
FCTR	FACTORY (ALL FIXTURES)
FFOE	FURNITURE/FIXTURES/OFFC EQPT (NEW/USED)
HHG	COMPLETE HHG MOVE
HMEL	HOME ELECTRONICS
MEDC	MEDICAL EQUIPMENT/SUPPLIES
MFGE	MANUFACTURING EQUIPMENT
MUSM	MUSEUM
NONA	NON AGRICULTURAL (NON-EXEMPT)
OFCR	OFFICE (ALL OFFICE FIXTURES)
OTHR	OTHER SPECIAL HANDLING
PHEQ	PHOTO EQUIPMENT
PRNT	PRINTING EQUIPMENT
TELE	TELECOMMUNICATIONS
TSHW	TRADESHOW

Field reference in MoversSuite

Product Code is referenced by:

MoversSuite > Move Information > Shipment Details > Product Code

Product Type Setting for SIRVA

MoversSuite Administration - web > Move Setup > Product Type

Product Type records must be set up with the following **External Codes** appropriate for SIRVA. The following table lists the default values supplied by MoversSuite. Obtain the most accurate list of supported *Product Type* codes from SIRVA.

External Code	Product Type Description
BLD	BLOOD ANALYSIS
COMP	COMPUTER
FILE	FILES
FURN	FURNITURE
KIDY	KIDNEY MACHINE
MFR	MAINFRAME EQUIPMENT
OTHR	OTHER

PC	PC EQUIPMENT
XRAY	X-RAY EQUIPMENT

Field reference in MoversSuite

Product Type is referenced by:
MoversSuite > Move Information > Shipment Details > Product Type

Rate Plan Settings for SIRVA

Mover's Suite Administration > AFS > Rates > Rate Plans

Set the **Van Line Code** to the *Customer Agreement Number* supplied by SIRVA, e.g. "GRR" for Guarantee Pricing. Obtain a list of supported pricing codes from SIRVA. Listed below are the known Customer Agreement Numbers that may need to be set in MoversSuite for Rate Plans.

Customer Agreement Numbers
DSP
GRR
PRD
TPG
UAS

Field reference in MoversSuite

Rate Plan is referenced by:
MoversSuite > Billing Information > Tariff/Rate

Conditional Rate Plan requirements for SIRVA

Various data must be set depending on what SIRVA Hub *Customer Agreement Number* the **Rate Plan** is associated to. This section details these conditions.

If a Rate Plan is associated to "GRR" then the information set within **Billing Information > Guarantee Price Info** will be required for the registration upload to SIRVA.

If a Rate Plan is associated to “GRR” or “TPG” then the **Billing Information > Estimate Amount** must be set.

If a Rate Plan is associated to “UAS” then the **Billing Information > Discount** field must be set.

Security Module/User Access Settings for SIRVA

MoversSuite Administration - web > User Setup > Security Profile

MoversSuite Administration - web > User Setup > Personnel > User Setup

Set the **Order Information Module** to grant users access to the **Third Party Interface Order Monitor**. Users will only need an **Access Type** of *Read Only* to utilize the application.

Assign employees to the correct **Security Profile** within **User Setup**.

Shipment Type Setting for SIRVA

Mover’s Suite Administration > MMS > General > Shipment Type

Shipment Type records must be established with the following **Van Line Codes** appropriate for SIRVA. The following table lists the default values supplied by MoversSuite. Obtain the most accurate list of supported *Shipper Type* codes from SIRVA.

Van Line Code/Shipper Type on SIRVA	Shipment Type Description
GVT	Government
MIL	Military
NAT	National Account
PVT	Private Transferee

Field reference in MoversSuite

Shipment Type is referenced by:
MoversSuite > Move Information > Shipment Type

Conditional Shipment Type requirements for SIRVA

Various data must be set depending on what SIRVA Hub *Shipper Type* code the **Shipment Type** is associated to. This section details these conditions.

If the Shipment Type is associated to a “MIL” or “GVT” type then the **Billing Information > National Account** and **Military/Government > GBL** and **SSN** will be required for the registration upload to SIRVA.

If the Shipment Type is associated to a “MIL” then the **Military/Government > Origin and Delivery Bases** will be required.

If the Shipment Type is associated to anything other than “PVT” then the **Billing Information > National Account** will be required.

Valuation Settings for SIRVA

MoversSuite Administration - web > Move Setup > Valuation

Valuation records must be set up to appropriate **Van Line** and the SIRVA **Interface** with SIRVA-supported **External Codes**. A single valuation definition (Valuation description, Per Pound flag, Interface, and External) can be referenced by multiple Van Lines, therefore a valuation of \$1.20 per lb. will only need to be defined once, for example.

The **External Code** must match a SIRVA-supported *Valuation* code. Obtain the most accurate list of supported *Valuation* codes from SIRVA.

If the **Per Pound** flag is set, then the user will be allowed to select a value from those defined within the Valuation Per Pound setup.

Field reference in MoversSuite

Valuation is referenced by:
MoversSuite > Move Information > Valuation

Valuation Per Pound Setting for SIRVA

MoversSuite Administration - web > Move Setup > Valuation > Per Pound

Define the Amounts that will be available to a user when the selected Valuation record has the Per Pound flag set. Obtain the most accurate list of supported per pound amounts from SIRVA.

Field reference in MoversSuite

Per Pound is referenced by:
MoversSuite > Move Information > Per Pound

XmlImportTypeInterfaceMap Settings for SIRVA

Mover’s Suite Administration > Third Party Apps > XmlImportTypeInterfaceMap

Establish a link between SIRVA Hub and an Import Source for use by the SIRVA Registration Download process.

Set the **Import Type** to “Rating Order” and **Import Source** to “SIRVA” to establish the link between the process and the external interface.

XmlInterfaceBranch Settings for SIRVA

Mover’s Suite Administration > Third Party Apps > XmlInterfaceBranch

Establish links between **Branches** in MoversSuite to SIRVA. **Important:** Orders for branches that are not associated to SIRVA Hub will not have SIRVA Hub options available to them through the Tools menu in MoversSuite.

Set Import Source to “SIRVA” for each Branch ID to be included in SIRVA Hub related processes.

If a branch is not defined within this setup, then the SIRVA Hub processes will not function properly.

XmlItemCode Settings for SIRVA

Mover’s Suite Administration > Third Party Apps > XmlItemCode

If Guarantee Price Information is to be included in a SIRVA Registration Upload (Rate Plan referencing an external code of GRR), then XmlItemCode values must be established to link external codes used in SIRVA Hub to a MoversSuite Material Type (as defined within the Material type setup).

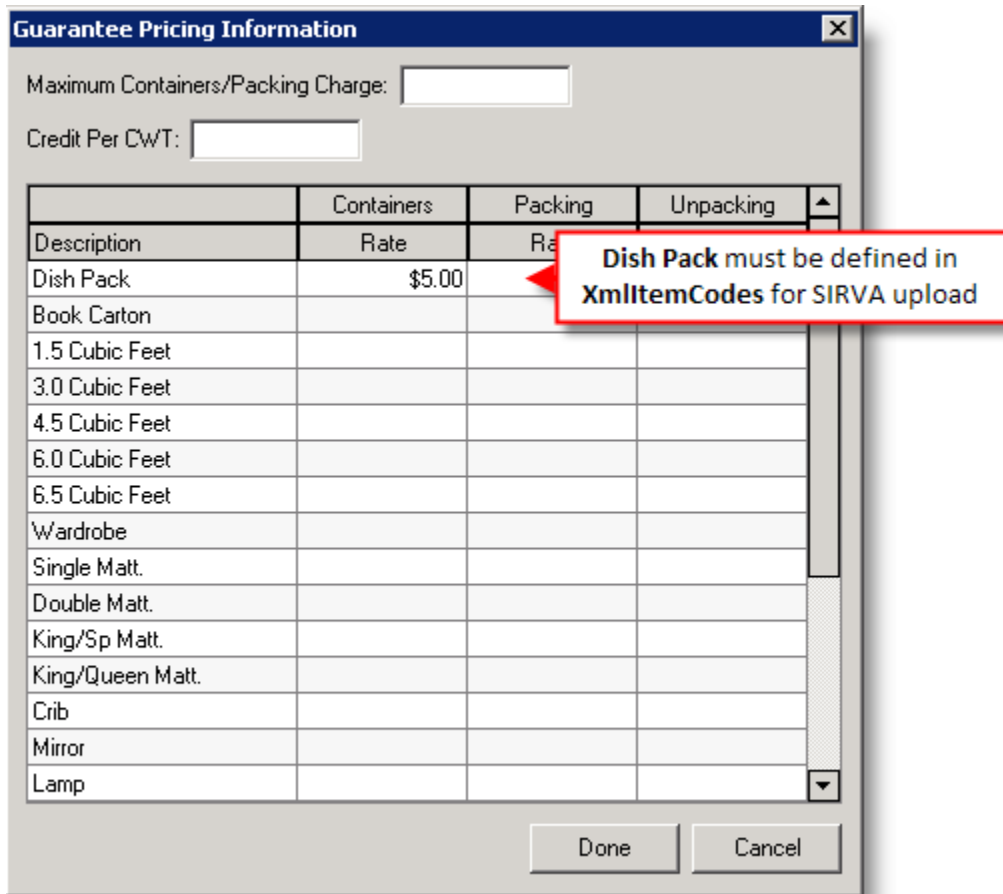


Figure 13: MoversSuite > Billing Information > Guarantee Pricing Information

In XmlItemCode setup, set **Import Source** to SIRVA, assign SIRVA-supplied Container Type codes as **XmlItemCodes**, and set **MSS Material Type** to the corresponding value from the Materials (CPU) setup (refer to the [Materials Setup for SIRVA](#) section).

For example, the Container Type from SIRVA Hub may be “A” (for Dishpack/Drum) and will correspond to the MSS Material Type of “Dish Pack” established in MoversSuite.

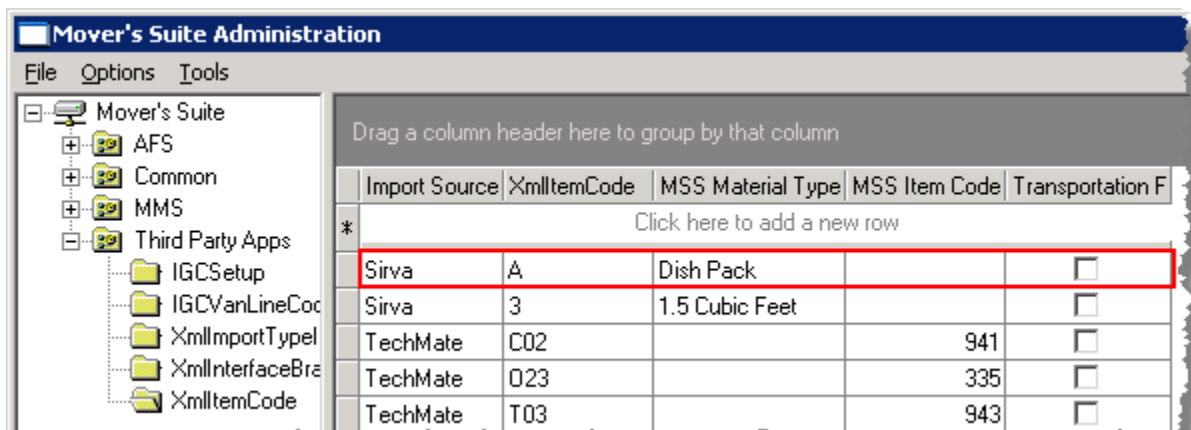


Figure 14: Mover's Suite Administration > Third Party Apps > XmlItemCode setup

Notes:

- **MSS Item Code** does not need to be set for SIRVA Registration Uploads.
- The **Transportation Flag** is used to group imported revenue from TechMate in Revenue Entry. It has no effect on SIRVA Hub processes.

Important: Multiple XmlItemCodes can be mapped to a single MSS Material Type. For example, XmlItemCodes for “Dish Pack” and “Glass Pack” can map to a single MSS Material Type of “Dish Pack.” However, each XmlItemCode referenced through Guarantee Price Information will be sent to individually, therefore “Dish Pack” and “Glass Pack” will be sent as two separate CPU entries.

To avoid sending and creating multiple carton records for an individual MoversSuite material then make sure that a MSS Material Type is mapped once in XmlItemCode setup for SIRVA Hub source.

Initial Administrative Setup for SIRVA

New installations will need to have the sHub configured and the XmlSystemOptions defined in order for SIRVA Hub processes to function.

Server changes may require that these settings be updated.

XmlSystemOptions Settings for SIRVA

In addition to the sHub settings described in the [SIRVA sHub Port and Location Configurations](#) section, the following settings will need to be made within the XmlSystemOptions table for each system (SIRVA Request Download and SIRVA Registration Upload).

Note: If your system is providing both a SIRVA Hub upload and a download, then each option listed below will need to be defined for each, i.e. a WebServiceURL must be defined for both SIRVA Registration Download and SIRVA Registration Upload, unless otherwise noted.

XmlSystemOptions Name	Description and Example XmlSystemValue
EchoReceiveLocation	<i>For debugging only:</i> This serves as a directory location where a registration request can be copied prior to sending to sHub Local Listener. Example: "E:\mss\WebService\bin\EchoSirvaResponse" NOT REQUIRED FOR EITHER PROCESS
LocalListenerErrorLog	Error log file of the sHub Local Listener. Example: "C:\sHub_Local_Listener\files\logs\errorlog.log" REQUIRED FOR UPLOADS ONLY
QueueName	The address to a public Microsoft Message Queue (MSMQ) that the MoversSuite web service uses to communicate with BizTalk. Example: ".\SIRVARegistrationRequest" REQUIRED FOR DOWNLOADS ONLY
SirvaAgentID	SIRVA Hub issued agent identifier for configuring sHub. Example: "1234567" If needed, multiple SirvaAgentIDs can be listed in this field with semicolons between each entry. Each SirvaAgentID in the list must be pre-appended with the van line code associated with the agent. Example: "A:1234567;N:7654321;"
SirvaBadXmlDirectory	Directory path of where the sHub Local Listener stores order registration responses from sHub mainframe. Example: "C:\sHub_Local_Listener\files\BadXMLFiles\ REQUIRED FOR UPLOADS ONLY
SirvaProcessID	SIRVA-issued identifier that signifies a registration upload or download operation. Example: "123456" If needed, multiple SirvaProcessIDs can be listed in this field with semicolons

	<p>between each entry. Each SirvaProcessID in the list must be pre-appended with the van line code associated with the process.</p> <p>Example: "A:1234567;N:7654321;"</p>
SirvaReceiveLocation	<p>Directory path of where the sHub Local Listener stores order registration responses from sHub mainframe.</p> <p>Example: "C:\sHub_Local_Listener\files\in\"</p> <p>REQUIRED FOR UPLOADS ONLY</p>
SirvaSendLocation	<p>Directory path of where the sHub Local Listener looks for order registration requests that need to be sent to sHub mainframe.</p> <p>Example: "C:\sHub_Local_Listener\files\data\"</p> <p>REQUIRED FOR UPLOADS ONLY</p>
WebServiceURL	<p>URL of the MoversSuite SIRVA Hub web service, used to communicate with the sHub Local Listener.</p> <p>Example: "http://MoversSuite/MSSExternalInterface/Sirva.asmx"</p>

SIRVA sHub Port and Location Configurations

This section instructs a user on the settings needed to be made to the SIRVA sHub and related components available from MoversSuite on to an application server.

Prior to configuring the Microsoft BizTalk Server (BizTalk), all folders and queues referenced in the instructions below must exist and have the proper permissions assigned. All folders that will be used by BizTalk must have the BizTalk user assigned to the folder's security.

The procedure consists of configuring ports and locations needed by the Microsoft BizTalk Server application to communicate with the SIRVA sHub.

Configure send ports and receive locations

Notes:

- Default all **Send pipelines** to **PassThruTransmit**, unless otherwise specified
- **Transport Types** may differ depending on the customer
- Select the same **Host** from the dropdown menu for all steps
- The anticipated folder structure for both Atlas and SIRVA sHub is listed below:

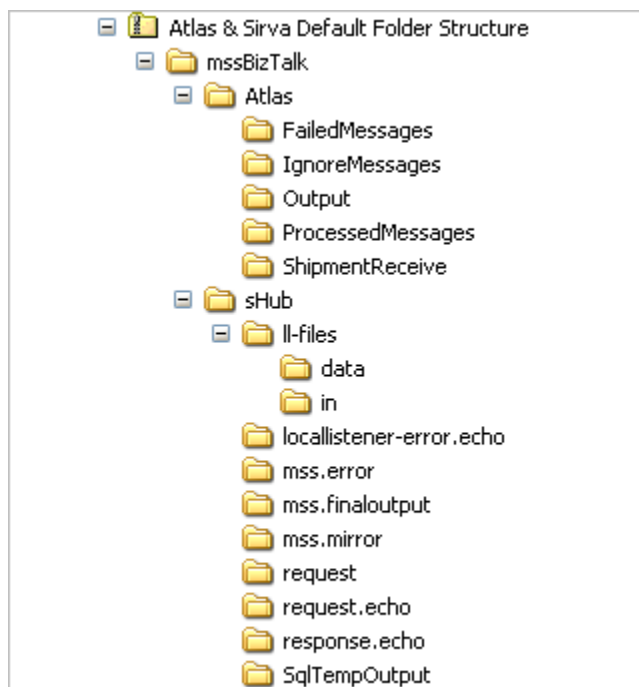


Figure 15: Atlas and SIRVA sHub default folders structure.

Process to setup Send and Receive Ports and Locations for SIRVA sHub

1. Run the **Start > All Programs > Microsoft BizTalk Server 2006 > BizTalk Server Administration** program,
2. Expand the **Biztalk Server 2006 Administration > BizTalk Group > Applications > sHub** folder,

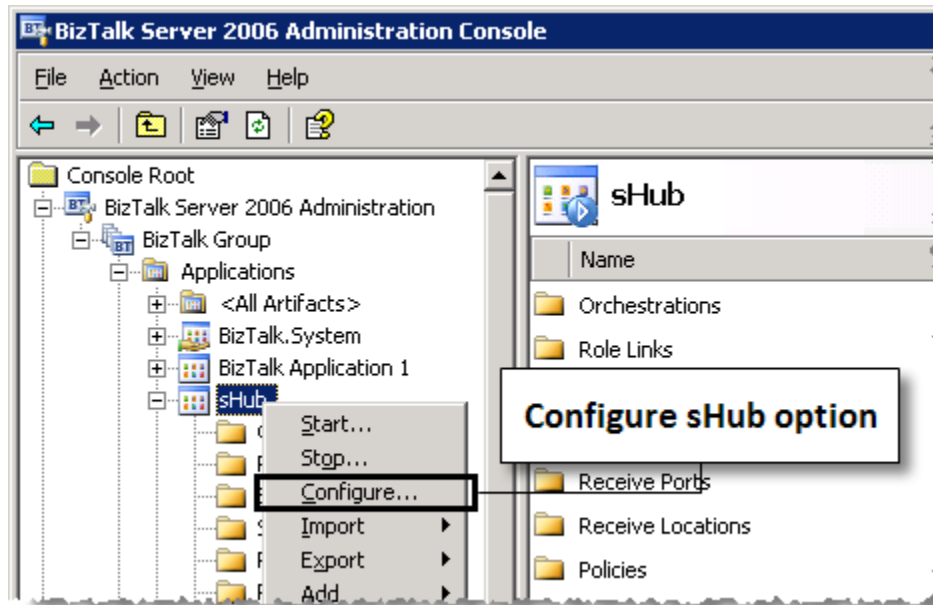


Figure 16: Configure option within the BizTalk Server application.

3. Right-mouse click the **sHub** application and choose **Configure** and the Configure Application interface will appear,

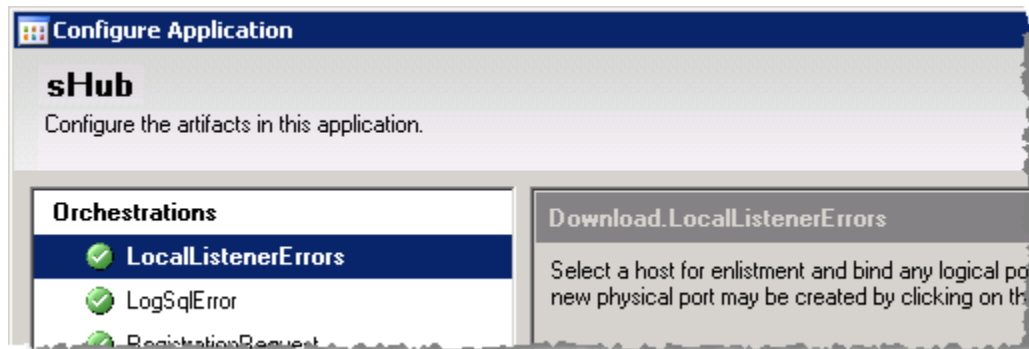


Figure 17: Orchestrations configurations from the main menu.

Within the **Orchestrations** section:

Update the LocalListenerErrors settings:

4. Click on **LocalListnerErrors** menu option,
5. Select a **Host**, such as “BizTalkServerApplication”,
6. Create an **Inbound** Logical Ports **Receive Ports** (click in the row under the **Receive Ports** header and select <New receive port...>) with the following properties:

Property	Value
Name	LocalListenerError

- a. Set the following within the **Receive Locations** option:

Property	Value
Name	POP3 LocalListenerError Location
Type	POP3

- b. Configure the **POP3** type with the following properties (available through the Configure...button). **Note:** Most of these properties will depend on how the mail server is configured:

Property	Value
MIME Decoding	True
Body Part Index	1
Authentication Scheme	Basic
Error Threshold	10
Polling Interval	1
Polling Interval Unit	Minutes

7. Create an Outbound Logical Ports **Send Ports/Send Port Groups** (click in the row under the **Send Ports/Send Port Groups** header and select <New send port...>) with the following properties:

Property	Value
Name	Echo.LocalListenerError
Type	FILE
Destination Folder	LocalListener-error.echo

Update the SQL Error Log Ports:

8. Open the **LogSqlError** settings from the list of Orchestrations,

9. Select the appropriate **Host** from the available list (example: BizTalkServerApplication),
10. Create an Outbound Logical Ports **Send Ports/Send Port Groups** (click in the row under the **Send Ports/Send Port Groups** header and select <New send port...>) with the following properties:

Property	Value
Name	SqlLogErrorPort
Type	SQL
Connection String	(Found through the Configure... button and pressing the ellipses button within the Connection String field) Set the Data Link Properties of Select or enter server name and Select the database on the server . These two settings are pointers to the server and the database that sHub will be using.

Update the Registration Request Ports:

11. Open the **RegistrationRequest** settings from the list of Orchestrations,
12. Select the appropriate **Host** from the available list (example: BizTalkServerApplication),
13. Create an Inbound Logical Ports **Receive Ports** (click in the row under the **Receive Ports** header and select <New receive port...>) with the following properties:

Property	Value
Name	MssRequestPort

- a. Set the **Receive Locations** for this port as follows (define new locations by opening the **Receive Locations** screen and pressing the New... button):

Property	Value
Name	MssRequestLocation
Type	FILE
Receive Folder	Set to appropriate directory

- b. Create a second **Receive Location** with the following properties:

Property	Value
Name	Mss Request Queue
Type	MSMQ
Password	<i>As needed</i>

User name	<i>As needed</i>
Batch Size	<i>As needed</i>
On Failure	<i>As needed</i>
Ordered Processing	<i>As needed</i>
Queue	<i>As needed</i>
Transactional	If the sHub queue is transactional, then verify that this option is set to True otherwise set it to False.

14. Create an Outbound Logical Ports **Send Ports/Send Port Groups** (click in the row under the **Send Ports/Send Port Groups** header and select <New send port...>) with the following properties:

a. Define the first Send Port with the following properties:

Property	Value
Name	EchoRequest
Type	FILE Set the Destination Folder within the Configure... options.

b. Define a second Send Port with the following properties:

Property	Value
Name	LLDataPort
Type	FILE Set the Destination Folder within the Configure... options.
Send pipeline	XMLTransmit

Update the Registration Response Ports:

15. Open the **RegistrationResponse** settings from the list of Orchestrations,

16. Select the appropriate **Host** from the available list (example: BizTalkServerApplication),

17. Create an Inbound Logical Ports **Receive Ports** (click in the row under the **Receive Ports** header and select <New receive port...>) with the following properties:

Property	Value
----------	-------

Name	sHub.LL.In.Port
In the Receive Location section:	
Name	sHub.LL.In.FolderLocation
Type	FILE Configure the file properties as needed (Configure... button) and confirm that the correct URI propagates.

18. Create an Outbound Logical Ports **Send Ports/Send Port Groups** (click in the row under the **Send Ports/Send Port Groups** header and select <New send port...>) with the following properties:

Property	Value
Name	EchoResponsePort
Type	FILE Configure the file properties as needed (Configure... button) and confirm that the correct URI propagates.

- a. Define a second Send Port with the following properties:

Property	Value
Name	Mss.Mirror.InternalImportPort
Type	FILE Configure the file properties as needed (Configure... button) and confirm that the correct URI propagates. Set the File name within the Configuration for the type to “%SourceFileName%.xml”
Send pipeline	XMLTransmit

- b. Define a third Send Port with the following properties:

Property	Value
Name	FinalOutputPort
Type	FILE Configure the file properties as needed (Configure... button) and confirm that the correct URI propagates.

Send pipeline	XMLTransmit
---------------	-------------

- c. Define a fourth Send Port with the following properties:

Property	Value
Name	Mss.Error.DownloadException
Type	FILE Configure the file properties as needed (Configure... button) and confirm that the correct URI propagates.

Update the Registration Request Ports:

19. Open the **SqlImportOrder** settings from the list of Orchestrations,
20. Select the appropriate **Host** from the available list (example: BizTalkServerApplication),
21. Create an Outbound Logical Ports **Send Ports/Send Port Groups** (click in the row under the **Send Ports/Send Port Groups** header and select <New send port...>) with the following properties:

Property	Value
Name	SqlXmlImportPort
Type	SQL Configure the file properties as needed (Configure... button) and confirm that the correct URI propagates. Set the Data Link Properties of Select or enter server name and Select the database on the server . These two settings are pointers to the server and the database that sHub will be using.
Receive Pipeline	XMLReceive

Create a Static One-Way Send Port:

22. Open the **sHub > Send Ports** folder,
23. Right-mouse click in the **Send Ports** pane,
24. Create a new port by <**Static one-way send port...**> with the following attributes:

Property	Value
Name	SqlTempOutput
Type	FILE Configure the file properties as needed (Configure... button) and confirm that the correct URI propagates.

Start and verify sHub:

25. Start the sHub application through the right-mouse click options of **sHub > Start > Start** and verify that it operates as expected.

SIRVA Registration Upload Content

The table below contains a full listing of data from MoversSuite that is exported into a file uploaded to SIRVA Hub for order registrations.

Important: Items denoted with **SIRVA CODE REQUIRED** require certain administrative settings to ensure that the correct SIRVA Hub codes are referenced. Refer to the [SIRVA Upload and Download Setup and Administration](#) section for a complete listing of administrative settings.

Important: Not all fields are required by the SIRVA Hub. Each case is different depending on the request type, agreement specified, etc. Setting a field that is not required may be returned in error.

SIRVA Field & Description	Field Location in MoversSuite
Order Identifiers	
AffiliateOrderNumber Number assigned to the order within SIRVA	Information Bar > Order Number (is set upon successful SIRVA Registration)
General	
shipperLastName Last name of the shipper whose property is being moved.	Name, Address, Phone > Last Name
shipperFirstName First Name of the shipper whose property is being moved.	Name, Address, Phone > First Name
shipperPhoneNbr Phone number of the shipper.	Name, Address, Phone > Moving From > Home Phone Note: Will be set to Phone Type of "Origin Home".
consigneeLastName Last name of the consignee who will receive the shipment.	Name, Address, Phone > Last Name
consigneeFirstName First name of the consignee who will receive the shipment.	Name, Address, Phone > First Name
consigneePhoneNbr	Name, Address, Phone > Moving From > Home Phone

The consignee's phone number.	
<p>bookSvcProvNbr</p> <p>A number, that when used with a type code, identifies the Service Provider. An example of an agent type service.</p> <p>Will set the Booking Agent when the bookSvcProvTypeCde is "A".</p>	Agents > Booking Agent
<p>bookSvcProvTypeCde</p> <p>Code that identifies the service provider as an agent.</p>	Hardcoded to "A" for agents.
<p>shpmtTypeCde</p> <p>Identifies a Shipment Type. E.g. HHG = Household Goods, PRD = Product, GCM = General Commodity.</p>	Move Information > Commodity SIRVA CODE REQUIRED: Commodity Type Setup
<p>shipperTypeCde</p> <p>Describes the type of shipper, e.g. PVT = Private Transferee.</p>	Move Information > Shipment Type SIRVA CODE REQUIRED: Shipment Type Setup
<p>haulAuthTypeCde</p> <p>Describes the hauling authority under which the shipment is moved. INTER = Interstate, INTRA = Intrastate.</p>	Move Information > Move Type SIRVA CODE REQUIRED: Order Number Style Setup and Move Type External Mapping Setup
<p>paymentTypeCde</p> <p>Describes the method of payment, e.g. CHG = Charge.</p>	Billing Information > Payment Type SIRVA CODE REQUIRED: Payment Type Setup
<p>custAgrmtNbr</p> <p>The Agreement ID under which the shipment is being moved.</p>	Billing Information > Tariff/Rate SIRVA CODE REQUIRED: Rate Plan Setup
<p>subAgrmtNbr</p> <p>Number that uniquely identifies a set of business rules contained in the agreement that usually</p>	Billing Information > Section

pertain to a set or several sets of product characteristic.	
discountPct The discount percent that is to be applied against a tariff or base offering for the shipment.	Billing Information > Discount
estChgAmt Total estimated charge to the customer for the shipment	Billing Information > Estimate Amount
peakSeasonInd Indicates whether Peak Season Rates apply to this shipment.	Billing Information > Peak Rates Apply
custNbr A unique identification number assigned to a customer account.	Billing Information > Account Number
productCde The product code contains the information describing the type of product which will move under the specific shipment type. e.g. Shipment Type = PRD (Product), Product Cde = COMP (Computer Equipment).	Move Information > Shipment Details > Product Code Special Services orders only. SIRVA CODE REQUIRED: Product Code Setup
productTypeCde The Product Type Code describes the product types available to move under the specific Shipment Type, Product Cde. e.g. Shipment Type = PRD (Product), Product Cde = Comp (Computers) and Product Type Cde = MFR (Mainframe).	Move Information > Shipment Details > Product Type Special Services orders only. SIRVA CODE REQUIRED: Product Type Setup
selfHaulInd Indicates whether the	Move Information > Request Self Haul

Booker requested to haul the shipment ('Y') or released the shipment to the van line for dispatch ('N').	
salespersonID Identifies the person that sold the shipment.	Name, Address, Phone > Salesperson SIRVA CODE REQUIRED: Personnel Interface Mapping Setup
estimatorID Identifies the person that did the estimate for the shipment or outside surveyor.	Agents > OA Surveyor SIRVA CODE REQUIRED: Personnel Interface Mapping Setup Note: The Origin Agent must be set to a Sister Agency in order to access the OA Surveyor field.
cbsInd Indicates whether the billing should be done by the van line.	Billing Information > Invoicing Information > Requirement
packLoadHaulInd Indicates whether the shipment is being handled as driver pack, load and haul rather than local agent pack, driver load and haul.	Based on the Move Information > Service Type . If this field is set to "Driver Pack & Haul" the flag will be set.
cwtReductnRate For those shipments moving under GRR pricing program, this is the dollar amount by which the difference between actual CWT and estimated CWT shipment weight is multiplied.	Billing Information > Guarantee Price Info > Credit Per CWT This field will be referenced when the Rate Plan maps to a Van Line Code of "GRR"
ntePackPriceAmt For those shipments moving under the GRR pricing program, this is the maximum amount that will be charged for packing.	Billing Information > Guarantee Price Info > Maximum Containers/Packing Charge This field will be referenced when the Rate Plan maps to a Van Line Code of "GRR"
spSCAC Standard carrier alpha code for the vendor that the military tendered the shipment to and turned over to Allied (e.g. CVLC = Cartwright Van Lines).	Military/Government > Bases > Carrier Military orders only. This field will be referenced when the Shipment Type maps to a Van Line Code of "MIL"

<p>loadTMO</p> <p>For Military shipments, the identifier for the origin Transportation Management Office.</p>	<p>Military/Government > Bases > Origin</p> <p>Military orders only.</p> <p>This field will be referenced when the Shipment Type maps to a Van Line Code of "MIL"</p>
<p>dlvyTMO</p> <p>For Military shipments, the identifier for the destination Transportation Management Office.</p>	<p>Military/Government > Bases > Destination</p> <p>Military orders only.</p> <p>This field will be referenced when the Shipment Type maps to a Van Line Code of "MIL"</p>
<p>moveSourceCde</p> <p>Identifies how the shipment was obtained for the company. I = iMove, N/blank = No outside source.</p>	<p>Hardcoded "N"</p>
<p>CustCareCde</p> <p>Identifies who will be the Move Manager for the shipment. M = MoveLine, N/blank = Booking Agent.</p>	<p>Hardcoded "N"</p>
<p>MoveCoordinator</p> <p>Agents identifier for who is coordinating the move.</p>	<p>Name, Address, Phone > Transportation Coordinator</p> <p>SIRVA CODE REQUIRED: Personnel Interface Mapping Setup</p>
<p>PaymentMethod</p> <p>Identifies how the shipper is paying for the move. When it is a COD or Pre Paid.</p>	<p>Billing Information > Payment Information > Method</p> <p>SIRVA CODE REQUIRED: Payment Method Setup</p>
<p>SelfHaulAgent</p> <p>A number, that when used with a type code, identifies the Service Provider.</p>	<p>Agents > Hauling Agent if self haul</p>
<p>SelfHaulAgentType</p> <p>Code that identifies whether the Service Provider is a Vendor, Agent, etc.</p>	<p>Hardcoded "A" (for agents)</p>
<p>SSPInd</p> <p>Small Shipment Program for SPD</p>	<p>Hardcoded "Y"</p>
<p>System ID</p>	<p>Hardcoded blank</p>

Indicates shipment is to be registered in NTS	
Locations	
All information within the Locations section is repeated for each type of location specified.	
IctnTypeCde Identifies the type of location - Main Pickup (MP), Main Delivery (MD), Extra Pickup (XP), Extra Delivery (XD), or Port (PT).	Hardcoded "MP", "MD", "XP", "XD", or "PT"
IctnNbr A sequential Number assigned to the location within the shipment by Location Type.	Hardcoded "1" or Main Pickup and incremented by one for each location specified thereafter.
IctnSPLC The shipment location's Standard Point Location Code	Tools > SIRVA Registration Request > SPLC (prompted when uploading)
<p>Important: The following address fields <u>must be set</u> within the Name, Address, Phone > Moving From and Moving To sections. Further there will need to be at least one Segment linking the address. Additional Extra Stop data can be added as needed.</p> <p>All address fields denoted with a (*) must be set. If Extra Stops are added, then the data therein must be complete as well.</p>	
IctnAddress.addr1 * The shipment location's first address line	Name, Address, Phone > Moving From > Address (top line) Name, Address, Phone > Moving To > Address (top line)
IctnAddress.addr2 The shipment location's second address line.	Name, Address, Phone > Moving From > Address (second line) Name, Address, Phone > Moving To > Address (second line)
IctnAddress.cityNme * The shipment location's city name.	Name, Address, Phone > Moving From > City Name, Address, Phone > Moving To > City
IctnAddress.countyNme The shipment location's county name.	Name, Address, Phone > Moving From > Country Code Name, Address, Phone > Moving To > Country Code
IctnAddress.stCde * The shipment location's state	Name, Address, Phone > Moving From > State Name, Address, Phone > Moving To > State

or province abbreviation.	
<p>lctnAddress.countryCde *</p> <p>The shipment location's country code.</p>	<p>Name, Address, Phone > Moving From > State</p> <p>Name, Address, Phone > Moving To > State</p>
<p>lctnAddress.zipCode</p> <p>The shipment location's zip or postal code.</p>	<p>Name, Address, Phone > Moving From > Postal Code</p> <p>Name, Address, Phone > Moving To > Postal Code</p>
<p>lctnSiteCde *</p> <p>Describes what type of facility exists at the location, e.g. WHSE = warehouse</p>	<p>Name, Address, Phone > Moving From > Location Type</p> <p>Name, Address, Phone > Moving To > Location Type</p>
<p>contactCde</p> <p>Identifies which contact for the location, e.g. P = Primary</p>	Hardcoded "P"
<p>cntctNme</p> <p>The location contact's name.</p>	Hardcoded "same"
<p>userServiceCde</p> <p>Identifier for the service that is performed by the service provider. Can be OASV, EASV, DASV, PTHA, PTHD.</p>	Hardcoded "OASV" (Pickup) or "EASV" (HHG Pickup) or "DASV" (Delivery)
<p>svcProvNbr</p> <p>A number, that when used with a type code, identifies the Service Provider who performs the service.</p>	Agents > Origin Agent and Agents > Destination Agent
<p>svcProvTypeCode</p> <p>Identifies whether the Service Provider is an Agent, Vendor, etc.</p>	Hardcoded "A"
<p>SITSvcProvNbr</p> <p>A number, that when used with a type code, identifies the Service Provider who performs the service.</p>	Billing Information > SIT Information > SIT at Origin > Storage Agent (when Agent is selected)
<p>SITSvcProvTypeCde</p> <p>Identifies whether the Storage Service Provider is</p>	Hardcoded "A" (for Agent)

an Agent, Vendor, etc.	
SITCity City of the storage location.	City of the Agent set for SITSvcProvNbr is retrieved.
SITStProvCde The storage location's State or Province Code.	State of the Agent for SITSvcProvNbr is retrieved.
SITZipCode The storage location's Zip or postal code.	Postal Code of the Agent for SITSvcProvNbr is retrieved.
Segments	
All information within the Segments section is repeated for each Segment for each From and To location specified in MoversSuite	
SegNbr A number that is sequentially assigned to the parts of the shipment.	Extra Stops > Segment Information > Number (for each record)
estWgt The estimated weight of the items to be shipped.	Extra Stops > Segment Information > Estimated Weight
billedEstWgt The weight, in pounds, used to calculate the transportation charges for the shipment.	Extra Stops > Segment Information > Billed Weight
estCubes The estimated cubic feet that the shipment segment will occupy while being moved.	Extra Stops > Segment Information > Estimated Cubic Feet
billedEstCubes The cubic feet that will be used for rating the shipment. Applies when a special service request is involved e.g. - for Space Reservation.	Extra Stops > Segment Information > Billed Cubic Feet
agrdLdFromDte The earliest date a segment is available for loading (CCYY-MM-DD format)	Extra Stops > Segment Information > Load Date Range (col. 1)

agrLdFromHour agrLdFromMin The earliest hour that a customer is available for loading. This is not applicable for a HHG shipment.	Extra Stops > Segment Information > Load Time Range (col. 1)
agrLdToDte The last date a segment can be loaded on time (CCYY-MM-DD format).	Extra Stops > Segment Information > Load Date Range (col. 2)
agrLdToHour agrLdToMin The latest hour a customer is available for loading a shipment. This is not applicable for a HHG shipment.	Extra Stops > Segment Information > Load Time Range (col. 2)
agrDlFromDte The earliest date that a segment should be delivered (CCYY-MM-DD format).	Extra Stops > Segment Information > Delivery Date Range (col. 1)
agrDlFromHour agrDlFromMin The earliest hour when a customer will accept delivery of a segment. This does not apply to HHG shipments.	Extra Stops > Segment Information > Deliver Time Range (col. 1)
agrDlToDte The last date that a segment can be delivered on time (CCYY-MM-DD format).	Extra Stops > Segment Information > Delivery Date Range (col. 2)
agrDlToHour agrDlToMin The latest hour that a customer will accept delivery of a segment. This does not apply to HHG shipments.	Extra Stops > Segment Information > Delivery Time Range (col. 2)
SegMiles Miles from Segment Origin	Extra Stops > Segment Information > Miles

to Destination.	
PackFromDate The earliest date when packing can be performed.	Extra Stops > Segment Information > Pack Date Range (col. 1)
PackToDate The last date when packing can be performed.	Extra Stops > Segment Information > Pack Date Range (col. 2)
OriginLocationNbr The Location Number that corresponds to the beginning point of the segment.	Billing Information > SIT Information > Segment Number (first segment number referenced)
DestinationLocationNbr The Location Number that corresponds to the ending point of the segment.	Billing Information > SIT Information > Segment Number (last segment number referenced)
Items	
ItemTypeCode A code that identifies the item, that is part of the segment inventory, Examples of item types are: vehicle, boat, piano, etc.	Hardcoded "VEHICLE"
ItemWgt The weight of a large item included in the shipment. It can be a manufacturer's weight or a weight estimated by the person that surveyed the shipment.	Move Information > Automobile > Weight
ItemLength The measured length of a large item (feet for bulky item and inches for a crate) Used in calculating cubic feet of the item.	Move Information > Automobile > Length
ItemWdth The measured width of a large item (feet for a bulky item and inches for a crate). Used in calculating cubic feet	Move Information > Automobile > Width

of the item.	
<p>ItemHgt</p> <p>The measured height of a large item (feet for a bulky item and inches for a crate). Use in calculating cubic feet of the item.</p>	Move Information > Automobile > Height
<p>ItemMake</p> <p>Identifies the manufacturer for a vehicle</p>	Move Information > Automobile > Make SIRVA CODE REQUIRED: Auto Make Setup
<p>ItemModel</p> <p>Identifies the model of a vehicle</p>	Move Information > Automobile > Model
<p>ItemYear</p> <p>Identifies the year of a vehicle</p>	Move Information > Automobile > Year
<p>itemHHGInd</p> <p>Indicates whether the shipper wants the vehicle to move with the household goods: “Y” – must move with HHG; “N” – can move separate</p>	Move Information > Auto With Shipment (“Y” if checked)
Billing	
<p>CustLctnNbr</p> <p>Unique number that identifies a customer address for billing.</p>	Billing Information > National Account > Account (number)
<p>custRefTypeCde</p> <p>Describes what type of identifier the Customer Reference Number is.</p>	Based on the custRefNbr field: Set to “PO” for Purchase Order, “GBL” for Government Bill of Lading Number, or “SSN” for Military SSN.
<p>custRefNbr</p> <p>The identifier by which the customer knows the shipment - e.g. a purchase order number.</p>	Either: Billing Information > Purchase Order Number or Military/Government > GBL Number or Military/Government > SSN
Guaranteed Rates	

contTypeCde A code identifying a container type.	Billing Information > Guarantee Price Info > Description (for each item entered; Descriptions reference a van line code mapping the Item Code setup) SIRVA CODE REQUIRED: XmlItemCodes and Materials
contGuarRate Guaranteed unit price for the container.	Billing Information > Guarantee Price Info > Rate (for each item under Containers) SIRVA CODE REQUIRED: XmlItemCodes and Materials
packGuarRate Guaranteed unit price for packing the container.	Billing Information > Guarantee Price Info > Rate (for each item under Packing) SIRVA CODE REQUIRED: XmlItemCodes and Materials
Services	
ValuationType Identifies what type of insurance the customer selected for the shipment.	Move Information > Valuation SIRVA CODE REQUIRED: Valuation
DeclaredValue The total value of the shipment as declared by the shipper.	Move Information > Amount
ValPerLb The value to be placed on the shipment as a per lb. Declared value is calculated as weight x value per lb.	Move Information > Per Pound SIRVA CODE REQUIRED: Valuation Per Pound
Interim	
BLNbr The carrier's bill of lading number.	Hardcoded "99999999"
SPDFL Identifies whether a product shipment has been released for the carrier's Special Products fleet.	Move Information > Preferred Van Requested (set to "Y" if checked)
ShipmentMiles The total shipment miles. Used only for shipments that are not supported by ATS.	Move Information > Miles
TransRevenueAmt	Move Information > Disc I/h

Estimated Transportation Revenue to be generated by the shipment. Rounded to the nearest dollar.	
MarketingPgm Code that identifies the marketing program being used. M= More, N = None.	Hardcoded "N"
EstMehod Identifies how the survey was done. M -= Manual, P = Phone, A = Allfax.	Hardcoded "M"

SIRVA Registration Download Content

The table below contains a full listing of data downloaded from SIRVA Hub into MoversSuite.

Note: The SIRVA Hub download can contain a substantial amount of data fields. Those listed in the table below are the ones referenced by MoversSuite.

SIRVA Hub Fields & Description	Field Location in MoversSuite
Request Identifiers	
camisRegNbr The Registration number assigned to the shipment by the CAMIS system.	Information Bar > Order Number (Orders.OrderSeg)
General	
shipperLastName Last name of the shipper whose property is being moved.	Name, Address, Phone > Last Name
shipperFirstName First Name of the shipper whose property is being moved.	Name, Address, Phone > First Name
shipperPhoneNbr Phone number of the shipper.	Name, Address, Phone > Home Phone Note: Will be set to Phone Type of "Origin Home".
consigneeLastName Last name of the consignee who will receive the shipment.	Name, Address, Phone > Consignee > Contact Name
consigneeFirstName First name of the consignee who will receive the shipment.	Incorporated into the Contact Name (above)
consigneePhoneNbr The consignee's phone number.	Name, Address, Phone > Consignee > Contact Phone

<p>bookSvcProvNbr</p> <p>A number, that when used with a type code, identifies the Service Provider. An example of an agent type service.</p> <p>Will set the Booking Agent when the bookSvcProvTypeCde is "A".</p>	Agents > Booking Agent
<p>shpmtTypeCde</p> <p>Identifies a Shipment Type. E.g. HHG = Household Goods, PRD = Product, GCM = General Commodity.</p>	Move Information > Commodity
<p>shipperTypeCde</p> <p>Describes the type of shipper, e.g. PVT = Private Transferee.</p>	Van Line Code associated to the Move Information > Shipment Type (ShipmentType.VanLineCode)
<p>paymentTypeCde</p> <p>Describes the method of payment, e.g. CHG = Charge.</p>	Van Line Code associated to the Billing Information > Payment Type (PaymentType.VanLineCode)
<p>custAgrmtNbr</p> <p>The Agreement ID under which the shipment is being moved.</p>	Billing Information > RatePlan
<p>discountPct</p> <p>The discount percent that is to be applied against a tariff or base offering for the shipment.</p>	Billing Information > Discount
<p>estChgAmt</p> <p>Total estimated charge to the customer for the shipment</p>	Billing Information > Estimate Amount
<p>peakSeasonInd</p> <p>Indicates whether Peak Season Rates apply to this shipment.</p>	Billing Information > Peak Rates Apply
<p>custNbr</p> <p>A unique identification</p>	Billing Information > Account Number

number assigned to a customer account.	
salespersonID Identifies the person that sold the shipment.	Name, Address, Phone > Salesperson
estimatorID Identifies the person that did the estimate for the shipment.	Agents > OA Surveyor
loadTMO For Military shipments, the identifier for the origin Transportation Management Office.	Military/Government > Bases > Origin
dlvyTMO For Military shipments, the identifier for the destination Transportation Management Office.	Military/Government > Bases > Destination
regDate Date the shipment was registered (CCYY-MM-DD format).	Agents > Van Line Registration Date
shpmtEstWst Date the shipment was registered (CCYY-MM-DD format).	Move Information > Weight
shpmtEstCubes The estimated cubic feet of the entire shipment.	Move Information > Cubic Feet
shpmtMiles The miles that includes all stops of the shipment used in determining the customer charges.	Move Information > Miles
Location	
lctnTypeCde Identifies the type of location - Main Pickup, Main Delivery,	<i>For each Pickup and Delivery record:</i> Extra Stops > Extra Stop > Location Type

Extra Pickup, Extra Delivery, or Port.	Extra Stops > Extra Stop > Pickup Extra Stops > Extra Stop > Delivery
lctnNbr A sequential Number assigned to the location within the shipment by Location Type.	<i>For each Pickup and Delivery record:</i> Extra Stops > Extra Stop > Stop Number (for each Pickup and Delivery)
lctnAddress.addr1 The shipment location's first address line	<i>For each Pickup and Delivery record:</i> Extra Stops Extra Stop > Address Line (top line)
lctnAddress.addr2 The shipment location's second address line.	<i>For each Pickup and Delivery record:</i> Extra Stops > Extra Stop > Address Line (second line)
lctnAddress.cityNme The shipment location's city name.	<i>For each Pickup and Delivery record:</i> Extra Stops > Extra Stop > City
lctnAddress.countyNme The shipment location's county name.	<i>For each Pickup and Delivery record:</i> Extra Stops > Extra Stop > Country
lctnAddress.stCde The shipment location's state or province abbreviation.	<i>For each Pickup and Delivery record:</i> Extra Stops > Extra Stop > State
lctnAddress.countryCde The shipment location's country code.	<i>For each Pickup and Delivery record:</i> Extra Stops > Extra Stop > Country (code referenced by this field)
lctnAddress.zipCode The shipment location's zip or postal code.	<i>For each Pickup and Delivery record:</i> Extra Stops > Extra Stop > Postal Code
cntctNme The location contact's name.	<i>For each Pickup and Delivery record:</i> ExtraStops.Pickup.Contact ExtraStops.Delivery.Contact
cntctPhnNbr The location contact's phone number.	<i>For each Pickup and Delivery record:</i> ExtraStops.Pickup.PhoneNumber ExtraStops.Delivery.PhoneNumber
svcProvNbr A number, that when used with a type code, identifies	Agents > Origin Agent and Agents > Destination Agent

<p>the Service Provider who performs the service.</p>	
<p>Reference Numbers</p>	
<p>custRefNbr The identifier by which the customer knows the shipment - e.g. a purchase order number.</p>	<p>Billing Information > Purchase Order Number</p>
<p>Interim</p>	
<p>remarkDate Date remarks entered.</p>	<p>Notes > Date</p>
<p>remark Free form text related to the shipment.</p>	<p>Notes > Subject</p>

SIRVA Statement Import

Statements can be received from SIRVA Hub and imported directly into MoversSuite Payment Management.

Agent Statements from SIRVA Hub are available in electric form and once imported into Payment Management, a user can perform a number of operations on the statement batch including splitting the transactions and processing or voiding transactions.

The text file downloaded to an application server is selected by the user through the Payment Management import process and is rendered by MoversSuite via XML translation that incorporates the data. The data must be in the correct format to be interpreted by MoversSuite.

Listed below is a sample text file highlighting the fields used by MoversSuite.

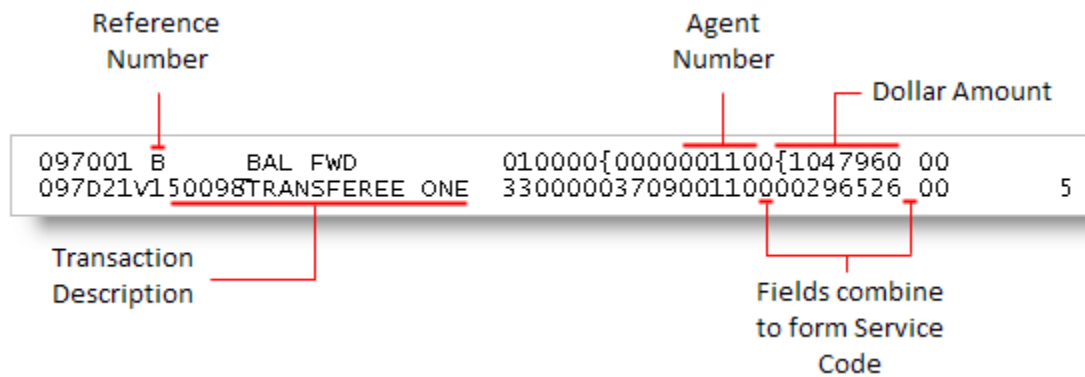


Figure 18: Fields used by MoversSuite within the SIRVA Statement import file.

The complete record layout is documented in the [SIRVA Statement File Format](#) section.

SIRVA Statement File Format

The sample below highlights the fields used by MoversSuite.

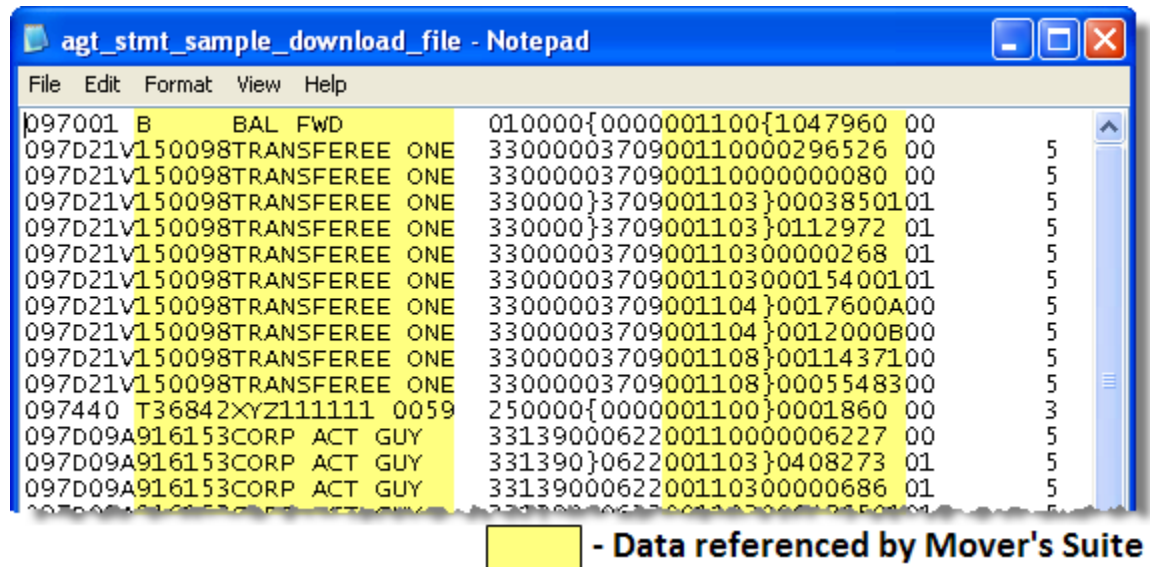


Figure 19: Sample SIRVA Statement

The following table is the record layout provided in a SIRVA Statement import. Reference the [STS Statement Data Export](#) document (from SIRVA Hub) for more details.

Record Item	Pos.	Description	MoversSuite Mapping
Month	1-2	Month the agent statement was issued.	Not Used
Year	3	Last digit of year agent statement was issued.	Not Used
Batch	4-6	Statement batch number (corporate use only)	Not Used
Type of Shipment	7	Shipment Type	Not Used
Reference	8-13	Reference Code	<p>If the first character of this field is a <u>number</u>, then the record will be treated as a order number default payment type of "M".</p> <p>If the first character of this field is a "B" then the line will be ignored (record skipped).</p> <p>If the first character of this field is any other alpha value then the payment type will default to a "P".</p>
Description	14-27	Shipper name or transaction description. International	Import as payment description

		activity is denoted with an asterisk (*).	
Blank	28-29	Not Used	Not Used
Source Code	30-31	Source Code	Not Used
Billed Weight	32-36	Billed weight appears for hauling or R-19 agent only	Not Used
Origin State Code	37-38	State Code of Origin	Not Used
Destination State Code	39-40	State Code of Destination	Not Used
Agent Number	41-45	5 digit CAMIS agent code	Agent number to look up the Branch and Van Line ID for the payment.
1st position of Service Code	46	Service Code (1 st position)	This character, combined with the 2 nd position character (field 55) make up the Service Code in the format of “n-n”.
Dollar Amount	47-54	Amount of credit or debit	Dollar Amount of payment. Refer to the Numeric Values in Statement File table (below) for identifying positive and negative numbers.
2nd position of Service Code	55	Service Code (2 nd position)	This character, combined with the 1st position character (field 46) make up the Service Code in the format of “n-n”.
Book Count	56	1 = shipment booked	Not Used
Haul Count	57	1 = shipment hauled	Not Used
Transportation Revenue	58-63	Transportation revenue amount appears for booking agent only	Not Used
Service Fee	64-68	Includes expense ratio and marketing fee. (appears for booking agent only)	Not Used
DVP	69-73	Declared Value Protection. Indicates Extra Care Protection (AVL) or Maximum Value Protection (NAVL) if agent billed.	Not Used
Blank	74-79	Not Used	Not Used
Shipment Code	80	Shipment Code	Not Used

Numeric Values in Statement File

The table below can be used to identify numeric dollar amounts referenced within the import file.

Positive Numbers	Negative Numbers	Value
{	}	0
A	J	1
B	K	2
C	L	3
D	M	4
E	N	5
F	O	6
G	P	7
H	Q	8
I	R	9

SIRVA Statement Import Setup and Administration

Security Module/User Access Settings for SIRVA Statement Import

MoversSuite Administration - web > User Setup > Security Profile

MoversSuite Administration - web > User Setup > Personnel > User Setup

Set the **SIRVA Statement Integration Module** within the **Security Profile** to grant users the ability to process and view statements.

Assign employees to the correct **Security Profile** within **User Setup**.

SIRVA XmlExternalInterfaceVanLineMap Settings for SIRVA Statement Import

No administration screen exists for the XmlExternalInterfaceVanLineMap.

Important: This table must be updated through direct database access by use of Microsoft SQL Server Management Studio or similar protocol.

Statement Imports require **XmlExternalInterfaceVanLineMap** records to establish a link between van lines maintained in MoversSuite and the SIRVA interface. The association is made through SIRVA-supported External Codes that identify the van lines that can be linked to a statement import.

The table below lists the known SIRVA External Codes used to identify particular van lines.

Interface	Van Line	Known External Code
SIRVA	Allied	AVL
SIRVA	North American	NVL
SIRVA	Specialized Transportation	STI

Statement Imports from SIRVA will produce errors if the necessary XmlExternalInterfaceVanLineMap records are not established.