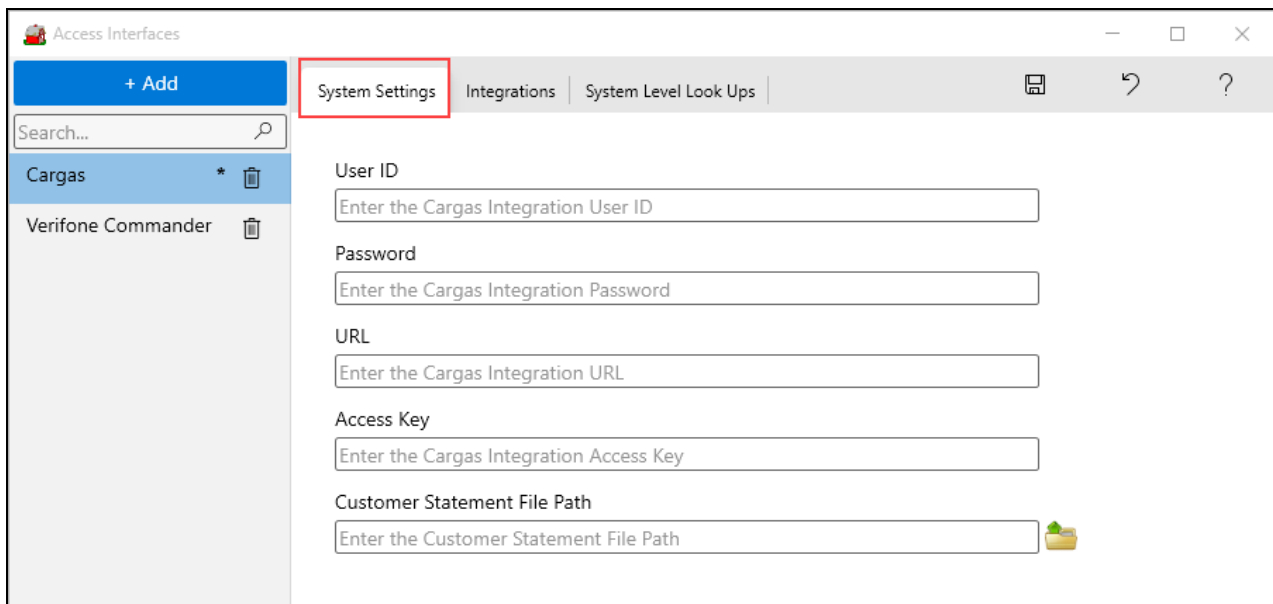# Integrate with Cargas

The integration with Cargas for fuel transactions will establish connections and use SRV tasks to import new customer accounts, deposit balances, and fuel transactions. In return, Merchant Ag will export Cargas customer monthly customer statements.

Creating a system interface for Cargas is handled during the implementation process and this document is intended for informational purposes only.

Begin by granting access to all applicable User Profiles in Merchant Ag FIN | Admin | System Security | Access User Profiles | select a Profile | Security tab | Setup module | Main Menu section | Access Interfaces and set the Level to 1 to grant permission.

Navigate to Setup | Access Interfaces and use the System Settings tab to set the connection to Cargas.

The connections needed for Cargas will be created in the new menu option, Access Interfaces found on the Setup menu.

Enter up to 50 alpha-numeric characters as the **User ID**.

Provide the **Password** of up to 50 alpha-numeric characters. After entry this field is encrypted.

The **URL** will be up to 255 alpha-numeric characters and will be used for linking to New Customer setup in Cargas.

Access Key is generated by Cargas and can include up to 255 alpha-numeric characters and is encrypted after entering.

Enter the **Customer Statement File Path** which will be the location the PDF file for historical statements will be exported.

Access Integrations

Access Integrations is where information received from Cargas will be mapped to Merchant Ag fields and functions.

The Cargas Interface was created and necessary Integrations set up for Orders. On the Integration Setting tab the name is set along with the Item ID that defines the non-inventory items for Service Item and Job Item.

Import New Customer Accounts - SRV Task Cargas Import Customer Information

New Cargas customers are imported using the SRV task, Cargas - Import Customer Information. Schedule the frequency this SRV task will run based on each locations business needs. Be aware that changes to a new customer after import will need to be <u>manually</u> entered on the account. Be aware that any address change in Merchant Ag is not synched back to Cargas.

The basic new customer information imported includes

- Customer ID, a range of customer IDs will be reserved for Cargas accounts and new customer accounts without fuel deliveries can be created outside this ID range. In the instance that the ID received is less than 8 digits long, leading zeros will be added.

- Name

- Address

- Bill To which references the 00 Ship To address. Any additional Ship To addresses with be assigned the ID 01, 02, etc..

- Contact Person

- Phone 1

- Customer Type which will appear in the Credit Comment field in the Credit tab of the account

- Division which will appear in the Credit Comment field in the Credit tab of the account

- Credit Limit

- Email address, those marked as Primary Contact are added to the account header and those flagged for email statements will be added to the Info | Settings tab.

- Statement Email Address found on the Info | Settings tab.

- Location ID found on the Ship To tab added by default to the 00 Ship To address. Any additional Location IDs are added to the 01, 02, etc. as needed

Cargas Location ID Added to Customer Accounts

A new Cargas Location ID field has been added to the Customer Ship To, available in Access Customer Detail and Basic Customer Info, when the Cargas Integration parameter is enabled. The Cargas Import Customer Information SRV task will populate this field automatically. Any changes will need to be manually entered.

View Available Customer Deposit Balances - SRV Task Cargas Update Customer Deposit Balances

Schedule this SRV Task on a daily basis to update the Deposit balance for customer accounts. The Deposit Balance is the available dollars on deposit in the Cargas system and will fluctuate based on use for transactions. The deposit information will appear in Access Customer detail | Status.

Applying Payments to Fuel Transactions Not Allowed

Applying payments to customers with Cargas fuel transactions will not be allowed in Merchant Ag. All payments for fuel transactions will be processed in Cargas. When the Cargas Sync AR SRV tasks runs, fuel transaction balances within AR

accounts will be updated with a new balance. Additionally, unapplied payments within the AR account can not applied to fuel transactions.

Export Historical Customer Statements - SRV Task Cargas Export Customer Statements

The new SRV task Cargas - Export Customer Statements will export PDF versions to the location indicated in parameters of Customer Statements for Cargas customers and should be scheduled to run once a month.

Each PDF will be titled Customer Name_CustomerID-YYMMDD.pdf. The date will be populated with the last day of the period of the month of the statement.

Import Transactions - SRV Task Import Posted Transactions

In the file received, the document type of transactions will be set to Delivery, Service, Fuel Sale, or Job and a closed order will be created for the transaction. Each delivery will have a single item for a single customer and will be settled to the customers' AR account.

The closed order will use the Default Operator as set on the Inventory Site tab and the Default Workstation set in Access Locations | Oil & Energy | General.

The information imported includes

Document ID which becomes the Order ID and is prefaced with an E to easily identify any imported fuel transaction. Any transactions with a document ID already found in Merchant Ag will not be processed.

There can be multiple transactions in one call to the API that have the same Document ID. This is in cases where a sale is partially paid with a prebuy contract or there is a will call charge added on. In this case multiple lines need to be added to the same order.

- Customer ID - match to Merchant customer ID (no translation)
- Location ID provides the Customer Ship To.
- Due Date indicates the due date for the AR Transaction
- Equipment Description adds the Order Comment field
- Message will append to Order Comment after Equipment Description
- Item ID provides the Merchant Ag Item ID if the document type is set to Delivery or Fuel Sale. This field will be left blank for document types Service

or Job and the Item ID set in Access Interface will be used instead.

- Document Subtype will provide a Line Item Comment.

- Quantity indicates the Item Quantity

- Unit Price provides the Unit Price of the Item

- Inventory Location ID provides the Merchant Site ID

- Tax Total - the tax for the order will always indicate a quantity of 1 with the Unit Price and Extended Price as indicated from Cargas.

If a transaction can not be imported for any reason, it will appear on the External Orders Failed to Process grid for correction and re-processing.

TTRs

Merchant Ag is not used to maintain Cargas fuel inventory items and have no affect on the Weighted Average Cost or quantity of an Item. When a Closed Order is created from an imported Delivery and Fuel Order transactions, two TTRs are created, one for the Closed Order and one for a physical adjustment. The General Ledger entries reflected in the TTRs are outlined below.

The Cargas Closed Order TTR	Physical Adjustment TTR
• Credit to Revenue	• Debit to Inventory
• Debit to Cost of Goods Sold	• Credit to Cargas Accrued AP
• Credit to Inventory	
• Debit to Accounts Receivable	

These transactions

Fuel Tax

Locations should create a Fuel Tax Category in Access Categories to reference the correct General Ledger accounts.

Correcting Import Posted Transaction Errors

If an order can't be created, access the External Orders Failed to Process grid on the Orders menu and correct all errors and reprocess the order.