The EFI Radius X-Link capabilities allow the transfer of data between the Radius system and external, proprietary systems. X-Link utilizes a set of interim database tables defined in the Radius database structure to support data transfer.

These database tables become populated either by Radius-supplied routines, which extract data from Radius, or by customer-supplied routines, which extract data from their existing systems. Once the data is extracted, importing and updating routines are needed for the receiving system. A number of physical import/export options are available, including Progress® code and Microsoft Excel® spreadsheets.

**Data Transfer Options**

The System Level Options in Radius allow the user to identify which data types are affected by the data transfer. For each data type, e.g. currencies, customers, suppliers etc., the user can select the action to be taken at the time of the data transfer. These actions include:

- **Not Active**: Not required.
- **Export**: Sending data to other system(s).
- **Import**: Receiving data from other system(s).
- **Both**: Sending and receiving data to/from other system(s).

For each data type with “Import” or “Both” selected, the user can then define the Import Action to take place when Radius imports the data from the X-Link file. Possible settings include:

- **Set Record Status**: Mark the import record with the action taken.
- **Delete Processed OK**: Delete the import record if it has been successfully processed.

**Importing with X-Link**

When importing data into the Radius system, X-Link offers the following methods:

- **Batch Mode**: Records are created on one or more X-Link staging tables and are then validated and either imported or rejected by the next execution of the X-Link update. The program processes all outstanding records (including or excluding previously rejected records) on one or more X-Link staging tables. These be executed on demand, or scheduled to execute at a given time interval. Different X-Link staging tables may therefore be processed at different time intervals dependent on your business requirements.

- **Interactive Mode**: For a more interactive approach with certain data types, data may be passed to the individual validation/update programs via a Progress temp-table. The temp-table records are then marked as accepted or rejected, enabling the calling program to take the appropriate action. In this scenario, records are not created on the staging tables, so the database is not updated until a record is validated and accepted.

**Review Records Prior to Scheduled Updates**

For each X-Link interface, the user is able to see all records that are awaiting an update, including any that have previously been rejected. By providing this structure, EFI Radius allows the user to maintain transferred changes in advance of the updates taking place. The feature can also be effective when taking on data during the implementation of a new EFI Radius system.
X-Link

Integration with SAP

For SAP® users, ASCII files are used for the import/export of data between Radius and SAP. This approach gives the user flexibility in how they move data between the two applications. Transactions include:

### Radius exports to SAP
- Item Details
- Purchase Orders
- Purchase Receipts
- Sales Invoices
- GL Postings

### SAP imports to Radius
- Addresses
- Address Relationships
- Customer Details
- Suppliers

Active X-Link Interfaces

The following is a listing of active X-Link options. Many options can both be exported and imported, however some are constrained to importing or exporting.

**Import/Export**
- Currencies
- Currency Rates
- Customers
- Customer Addresses
- Analysis Codes
- Address Details
- Address Relationships
- Advanced Shipping Notes (purchasing)
- Carrier Details
- Cashbook Bank Reconciliation
- Cashbook Details
- Cashbook Transactions
- Complete BOL/Shipments
- Consigned Inventory Receipt (purchased)
- Customer Analysis
- GL Postings (detailed)
- Inventory Movements
- Item Details
- Consigned Inventory Usage (sold)
- Customer Balances
- Customer Contacts
- Customer Groups
- Customer Inventory Details
- Coater Plates
- Cutting Dies
- Cylinders
- Embossing
- FG Shipments
- Inventory (take-on/receipt)
- Item Details
- Purchase Invoices
- Purchase Orders
- Sales Forecast Orders
- Sales Invoices
- Inventory Adjustments
- Item Customers
- Item Plates/Cloths
- Item Prices
- Job Positions
- Job Status Change
- Labor Costs
- Modify Shipping Date
- Non-Conformance Actions
- Non-Labor Costs
- Preferred Suppliers
- Quarantine Confirmation
- Purchase Order Approval
- Purchase Order Receipt Price Changes
- Sales Orders
- Sales Order Shortfalls
- Segment Sets
- Shipping Requests
- Supplier Contacts
- Tool Color Cards
- Tool Details
- Tool Profiles
- Tool Specifications
- Transfer Confirmation
- User Defined Elements
- Vendor-Managed Inventory
- Customer Returns
- GL Postings (Detailed or Summarized)
- Non-Conformance Reports
- Production Transactions (Receipts)
- Purchase Order Transactions (Receipts/Returns)
- Shipment Details

### Export Only
- Customer Returns
- GL Postings (Detailed or Summarized)
- Non-Conformance Reports
- Production Transactions (Receipts)
- Purchase Invoice Approval
- Purchase Order Receipt Price Changes
- Supplier Addresses
- Supplier Analysis

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