1/14/16

Clippership / Avante Integration:

Component list:

* Avante / Unidata – Laddawn’s ERP System, ‘nuf said.
* Picklists – A optio printed document that tells the warehouse manager that an order needs to be pulled off the shelves or made and shipped out. For stock orders, the warehouse clerk uses this piece of paper to know what (s)he needs to pull off the shelf and bring to a shipping station.
* ODBC connections on Avante Server pointing to warehouse SQL Databases
* SQL Server Express in each warehouse – Each warehouse has an installation of SQL Express that Clippership Communicates with holding information about the orders to ship and the shipments that were done.
* Clippership – Purchased software that Laddawn uses to “manifest” orders to get correct paperwork onto shipped packages and tracking numbers for UPS & FedEx.
	+ Bartender – Program Laddawn has integrated with clippership to print Brandit Labels
	+ FedEx Server – 2 systems leased by Laddawn to rate packages and notify FedEx with the package information for such shipments.
	+ UPS online Tools – System integrated with UPS that allows us to tell UPS what is getting picked up on a daily basis. (Called the PLD file). We update clippership annually to get the correct UPS shipping rates. Clippership has native UPS Tracking Number logic.
	+ CS\_Ship File – A database of the packages run through clippership that are going to leave the facility that day. Necessary for the clippership program to run.
	+ CS\_Hold File – A database of the packages run through clippership but are not necessarily going out that day. This is called shipping the item to hold. Essentially the Shipping clerk says I need to run this order through but I don’t know if it will go out today. Credit card orders that have freight added (so we don’t know the amount to charge until it is rated by clippership) or Customer Pickup Orders.

Getting the data from Avante to Clippership SQL Database

* Autopick job (JOB9002) calls create picklist routine.
* Create Picklist (SOP4007)
	+ Loops through all the warehouses
		- Connects to the ODBC connection for the given warehouse
		- Selects the appropriate records that need to be sent to the warehouse.
		- Calls CreateHDRRecord SQL Stored procedure for each order selected
		- For each line on that order that is going to the warehouse it calls CreateDetRecord SQL stored procedure.
		- Prints a picklist to the warehouse manager’s printer.

Manifesting in clippership

* The shipping clerk types (or scans) the order into clippership Package ID field.
	+ Custom code queries the SQL database for the data for that order.
		- Avante information used in clippership.
			* Address information Ship to and Billto Customer information.
			* Carrier Code: Defaults in the main clippership screen, but the clerk can overwrite.
			* Order Payment terms.
				+ If the order’s payment terms are COD or COD-CHECK then we set the COD amount in clippership and we set the COD flag.
			* Freight terms (FOB Code) :
				+ For small package carriers (UPS & FedEx) If COL then we automatically set clippership to bill recipient.
				+ For small package carriers if 3PB we set clippership to bill third party.
			* Freight Pay Account and Address information
				+ For Small package carriers we set this information in clippership.
				+ For Large carriers (LTL carriers) this information prints on the Bill of Lading.
* When the user leaves the carrier code field in clippership:
	+ We pull up a Laddawn made form where the user can specify what items from the order are in which boxes. For LTL carriers, the clerk usually hits done skid once even though the product is on more than one skid.
	+ When the user enters an item number into the part number field:
		- Validate the item number.
		- Record in memory the quantity is now already accounted for in the shipment.
		- Print the Brandit Labels via Bartender (based on setting on screen)
	+ When the user clicks done shipment
		- We mark the shipment as SHIPPED in SQL
		- We record if they are shipping to hold or not.