



Adding New Inventory Owner to Warehouse*Minder

This document describes how to add a new Inventory Owner to WAREHOUSE*MINDER so as to be able to receipt, store, pick and despatch their Shipping Orders.

The following are key steps:

- Carryout the following on the UAT System
 - Create new Inventory Owner (COMPANY_ID)
 - Import Client's logo for use on the Packing Manifest. Currently B&DCS must modify the ReportMan Manifest but B&DCS encourages their Client's to install the ReportMan Designer so they can carryout this task.
 - Set up Sent From Name and Address details as these required on Despatch Connote Labels in the PERSON_ADDRESS Table
 - Import Product Profiles (Product Code, Description, Dimensions, Weight, UoM, COMPANY_ID) into PROD_PROFILE table
 - Setup automatic Product Code Identification (PARAM Table) where:
 - Data Length,
 - Pattern of letters and numbers, e.g. '[0-9A-Z]' - indicates any combination of numeric and Uppercase Alphabetic letters.
 - Barcode Symbolology which are used to automatically identify during Barcode scanning
 - Assign an FTP folder with UserID and Password which the new Client only has external access to FTP their Shipping Orders into.
 - Receipt some Product, transfer into Storage Locations.
 - Carryout tests asking new Inventory Owner to FTP a Test Shipping Order then Pick, check and Despatch the Order.
- Repeat above on Production System once above is satisfactorily completed.



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Setting Up Tables

Inventory Owner (COMPANY_ID)

WAREHOUSE*MINDER requires all inventory to be owned and uses database field called **COMPANY_ID** to hold the Owner's Identification.

Select Administration Menu (User must have SYS_USER.SYS_ADMIN = T to access the Administration Menu).

Select the Master Data Menu then
select COMPANY option...

SHORTCUTS	
Audit	
Import Data	
Master Data	
BRAND	
CARRIER	
CARRIER_SERVICE	
POSTCODE_DEPOT	
COST_CENTRE	
COMPANY	

Select the 'ADD' button and enter the following mandatory fields:

COMPANY_ID - Max 10 AlphaNumeric characters.

The Address fields have been superseded by use of the PERSON and PERSON_ADDRESS tables.

The **ACN, ABN** should be populated if Purchase Orders and Tax Invoices are being created and printed from within the MINDER System.

INV_TEXT1 & 2 - Used to print Terms and Conditions on Pro-Forma and Tax Invoices. The fields from BANK_ID_NO1 to COMPANY_UDF22 are detailed in the Administration USER Guide and again only involve MINDER sistes which create Invoices.

NAME - Enter Company/Trading name as it is to appear on Despatch Manifest and Reports.

SAVE	CANCEL	FIRST	PREV.	NEXT	LAST
COMPANY_ID		VARCHAR(20)	PSGROUP		
ADDRESS1		VARCHAR(50)			
ADDRESS2		VARCHAR(50)			
ADDRESS3		VARCHAR(50)			
ACN		VARCHAR(30)			
ABN		VARCHAR(30)			
URL		VARCHAR(50)			
EMAIL		VARCHAR(50)			
FAX_NO		VARCHAR(30)			
PHONE_NO		VARCHAR(30)			
NAME		VARCHAR(50)	Pro Sports Group		
INV_TEXT1		VARCHAR(255)			
INV_TEXT2		VARCHAR(255)			
BANK_ID_NO1		VARCHAR(10)			
BANK_ID_NO2		VARCHAR(10)			
BANK_BSB_TITLE1		VARCHAR(20)			
BANK_BSB_NO1		VARCHAR(30)			
BANK_AC_TITLE1		VARCHAR(20)			
BANK_ACCOUNT_1		VARCHAR(50)			
BANK_BSB_TITLE2		VARCHAR(20)			
BANK_BSB_NO2		VARCHAR(30)			
BANK_AC_TITLE2		VARCHAR(20)			
BANK_ACCOUNT_2		VARCHAR(50)			
CREDIT_TO_TITLE1		VARCHAR(20)			
CREDIT_TO_NAME1		VARCHAR(50)			
CREDIT_TO_TITLE2		VARCHAR(20)			
CREDIT_TO_NAME2		VARCHAR(50)			
COMPANY_UDF11		VARCHAR(50)			
COMPANY_UDF12		VARCHAR(50)			
COMPANY_UDF21		VARCHAR(50)			
COMPANY_UDF22		VARCHAR(50)			
BPAY_LOGO		BLOB(8)	<div> <div></div> <div>Browse_ No file selected.</div> </div>		

Continued...

Inventory Owner (COMPANY_ID) continued... GS1_COMPANY_ID

This User Guide is designed for handling EDI Clients hence the field **GS1_COMPANY_ID** must hold a the number issued by GS1 to the Inventory Owner and which forms part of the SSCC Barcode Number and labels.

Typically its format will be (for an Australian owner company) '9312345' or '931234567'.

MINDER_WH_ID = 'MV' - This is the default Warehouse ID. Used when not included with Order Imports.

This ID is the 1st 2 bytes included as the prefix encoded on the Storage Location Barcodes used in the main warehouse.

COMPANY_LOGO - Maybe used to print onto Manifest, Orders, Invoices and Reports. ReportMan uses embedded Logos on Reports and does not use this field. The new Client's Logo needs to be imported into the COMPANY Table and which is used on the Packing Manifest.

We suggest that the Logo has a landscape orientation with a Width to Height Ratio of about 5:1 and measures approximately 500pixels wide by 100 pixels high with minimum resolution of 300DPI.

Use either .jpg or .gif or .png image formats.

BPAY_BILLER_CODE	VARCHAR(50)	
BPAY_INSTRUCTIONS	VARCHAR(100)	
COMPANY_ID_PREFIX	VARCHAR(2)	
SEND_STAV	CHAR(1)	T
LEGACY_SYS_ADMIN_EMAIL	VARCHAR(75)	
GS1_COMPANY_ID	VARCHAR(10)	934816600
LEGACY_INTERNAL_ID	INTEGER(4)	
LEGACY_NAME	VARCHAR(50)	
MINDER_WH_ID	VARCHAR(50)	MV

COMPANY_LOGO	BLOB(8)	
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Browse... No file selected.

Select the 'Browse...' button alongside the COMPANY_LOGO field. This will display a File Explorer screen (On MS Windows platforms) to enable locating the required Logo.

Then save the image as part of the COMPANY record. The saved Logo is displayed as example shown above.



Inventory Owner (COMPANY_ID) continued... PO_TEXT1

PO_TEXT1 & PO_TEXT2 - Are used on Purchase Orders created by Minder System.

HOME_LOCN_ID - 'J2391602' - Used to hold last Inventory Putaway Location (inside the Default Warehouse e.g. 'MV') as part of requirement to keep all same Inventory Owner together inside the warehouse. This field is normally updated during the Putaway Process. Direct Receipting into a Storage Location will not update this field.

DESPATCH_CREATE_PACKING_SLIP = 'T'. A Packing Manifest will be created as part of the Despatch processing for all Orders picked for the Inventory owner.

DEFAULT_DESPATCH_PRINTER = 'PL'. This is the Device_ID for the Despatch Manifest Printer. Usually we reserve 'PL' = Printer, Laser.

INVOICE_TI_REPORT_ID, INVOICE_PS_REPORT_ID & INVOICE_PI_REPORT_ID are used to indicate which REPORTS.REPORT_ID are used for Invoices.

PO_TEXT1	VARCHAR(255)	
PO_TEXT2	VARCHAR(255)	
HOME_LOCN_ID	VARCHAR(10)	J2391602
DESPATCH_CREATE_PACKING_SLIP	CHAR(1)	T
DEFAULT_DESPATCH_PRINTER	CHAR(2)	PL
INVOICE_TI_REPORT_ID	INTEGER(4)	
INVOICE_PS_REPORT_ID	INTEGER(4)	
INVOICE_PI_REPORT_ID	INTEGER(4)	
IMPORT_PICK_HELD_STATUS	CHAR(2)	CN
DESPATCH_PACK_SLIP_SUB_TYPE	VARCHAR(40)	.GO

IMPORT_PICK_HELD_STATUS = 'CN' - Used to change the PICK_ORDER.PICK_STATUS for an import that has failed.

DESPATCH_PACK_SLIP_SUB_TYPE - This holds PICK_ORDER.SUB_TYPE which require a Despatch Manifest to be printed with each Despatch. e.g. 'GO'.
Note starts with a , (comma).
If multiple ORDER_TYPES use , (comma) inserted between each SUB_TYPE. e.g. 'GO,MR,MB'.

Inventory Owner (COMPANY_ID) continued... DEFAULT_CARRIER_ID

DEFAULT_CARRIER_ID - Populate as this is the Default Carrier_Id for this Inventory Owner and which is not same as the Minder Default Carrier ID (see **CONTROL.DEFAULT_CARRIER_ID**).

COMPANY_EDV_VENDOR_NO - Required for EDI Order handling (e.g. ASN's).
Used in the SSCC Barcode printed on the SSCC label.

GS1_SSCC_DEFAULT_EXTENSION = '3' - This holds the SSCC Barcode's **GS1_COMPANY_ID** Prefix where can be from 1 to 9 but recommend 1 for Pallets and 3 for Cartons.
Used in the SSCC Barcode printed on the SSCC label.

IMPORT_DIRECTORY =
'/data/ ftpimport/import-01'
This is the FTP Folder into which remotely sourced Shipping Orders must be placed before they are imported.

IMPORT_PICK_SUB_TYPE = 'AZ'
This is used as the PICK_ORDER_SUB_TYPE if the imported Shipping Order Data file does not hold this value.

DESPATCH_LABEL_PRINTER,
DESPATCH_LABEL_PALLET_PRINTER,

DEFAULT_CARRIER_ID	VARCHAR(10)	MPLEASE
COMPANY_EDV_VENDOR_NO	VARCHAR(35)	9348166000009
GS1_SSCC_DEFAULT_EXTENSION	CHAR(1)	3
IMPORT_DIRECTORY	VARCHAR(75)	/data/ftpimport/import-02
IMPORT_PICK_SUB_TYPE	CHAR(2)	AZ
DESPATCH_LABEL_PRINTER	CHAR(2)	PB
DESPATCH_LABEL_PALLET_PRINTER	CHAR(2)	PB
DESPATCH_LABEL_CARTON_PRINTER	CHAR(2)	PB
DESPATCH_LABEL_SACHEL_PRINTER	CHAR(2)	PB
DESPATCH_LABEL_OTHER_PRINTER	CHAR(2)	PB
GS1_ASN_PARAM_ID	VARCHAR(20)	ASN1
PICK_IMPORT_PD_LINE_ADDRESS	CHAR(1)	T
<input type="button" value="SAVE"/> <input type="button" value="CANCEL"/> <input type="button" value="FIRST"/> <input type="button" value="PREV."/> <input type="button" value="NEXT"/> <input type="button" value="LAST"/>		

DESPATCH_LABEL_CARTON_PRINTER,
DESPATCH_LABEL_SACHEL_PRINTER, and
DESPATCH_LABEL_OTHER_PRINTER.

These Printer ID selections override the Screen Printer ID. The Inventory Owner may require all labels are printed on custom Label Stationery.

GS1_ASN_PARAM_ID = 'ASN1'
This indicates which record in the PARAM table and the DATA_ID field to lookup to retrieve the Advanced Shipment Notice Start and End Manifest numbers plus the Generator name used

to create ASN Manifest File Name.

PICK_IMPORT_PD_LINE_ADDRESS = 'T'
'T' indicates that must use the Despatch Address details listed in the PICK_ITEM_ADDRESS table rather than from the PICK_ORDER ASddress fields. This is required for EDI Shipping Orders where there maybe multiple Deliver To Addresses e.g. DC Address then Store Address.

Use the **'SAVE'** button to save data entry.



Inventory Owner Address (PERSON)

Inventory Owners must have Addresses such as Office Location, Postal Box details, Warehouse Address(es) and simply because of these multiple addresses we must use the PERSON_ADDRESS table for reach of these address types.

However, we must still create a record in the PERSON Table - (shown above right) and complete the following fields as a minimum....

PERSON_ID = COMPANY_ID e.g. 'CLOTHEZ'

PERSON_TYPE = 'CO' - (Company, Inventory Owner)

STATUS = 'CU' - (Current Address Status)

Make sure you add an identical entry in the COMPANY_ID field from the PERSON_ID otherwise an error will be reported.

SAVE	CANCEL	FIRST	PREV.	NEXT	LAST
PERSON_ID	VARCHAR(10)	CLOTHEZ			
PERSON_TYPE	CHAR(2)	CO			
ADDRESS_LINE2	VARCHAR(50)				
CITY	VARCHAR(25)				
STATE	VARCHAR(15)				
POST_CODE	VARCHAR(10)				
COUNTRY	VARCHAR(25)				
MOBILE_NO	VARCHAR(15)				
EMAIL	VARCHAR(50)				
CONTACT_FIRST_NAME	VARCHAR(25)				
CONTACT_LAST_NAME	VARCHAR(25)				
CREATE_DATE	TIMESTAMP(8)				
STATUS	CHAR(2)	CU			
COMPANY_ID	VARCHAR(20)	CLOTHEZ			



Inventory Owner (PERSON_ADDRESS) - Sent From

The PERSON_ADDRESS where ADDR_TYPE = 'SF' - Sent From Address record provides the details to be printed on the Despatch Address (Connote) Label. The address should indicate where a Despatched Order can be returned to. Please contact Inventory Owner for an address.

RECORD_ID = generated by System.

PERSON_ID = COMPANY_ID (same as in PERSON Table)

ADDR_TYPE = 'SF' - (Sent From)

(See OPTIONS.GROUP_CODE = 'ADDR_TYPE' for complete list of Address Types).

ADDR_LINE1 = Address details e.g. 'Unit B'

ADDR_LINE2 = '1C Sydney Steel Road'

ADDR_SUBURB = 'Marrickville'

ADDR_CITY = Valid Metropolitan Name e.g. 'Sydney'

ADDR_STATE = State e.g. 'NSW'

ADDR_POST_CODE = '2204'

ADDR_COUNTRY = 'AUSTRALIA'

ADDR_FIRST_NAME = 'Pro Sports Group'

ADDR_STATUS = 'CU' - (Current Address Status)

ADDR_CREATED_DATE = uses popup DatePicker

ADDR_CREATED_BY = Your UserID

COMPANY_ID = 'TIFS' - Means User with 'TIFS' Company data access can see and report this record.

ADDR_EDI_LOCN_NO = '9377779294635' - Enables retrieving of Sent From Address for printing onto SSCC labels. Please contact Inventory owner for their Vendor Number. Remaining 3 EDI fields not used.

Save **PERSON_ADDRESS** entries.

		SAVE	CANCEL	FIRST	PREV.	NEXT	LAST
RECORD_ID	INTEGER(4)	3390961					
PERSON_ID	VARCHAR(10)	PSGROUP					
ADDR_TYPE	CHAR(2)	SF					
ADDR_LINE1	VARCHAR(100)	Unit B					
ADDR_LINE2	VARCHAR(50)	1C Sydney Steel Road					
ADDR_SUBURB	VARCHAR(25)	Marrickville					
ADDR_CITY	VARCHAR(25)						
ADDR_STATE	VARCHAR(15)	NSW					
ADDR_POST_CODE	VARCHAR(10)	2204					
ADDR_COUNTRY	VARCHAR(25)	AUSTRALIA					
ADDR_POST_4STATE_ID	VARCHAR(255)						
ADDR_MOBILE_NO	VARCHAR(15)						
ADDR_PHONE_NO	VARCHAR(30)						
ADDR_FAX_NO	VARCHAR(30)						
ADDR_EMAIL	VARCHAR(50)						
ADDR_TITLE	VARCHAR(10)						
ADDR_FIRST_NAME	VARCHAR(100)	Pro Sports Group					
ADDR_LAST_NAME	VARCHAR(100)						
ADDR_STATUS	CHAR(2)	CU					
ADDR_CREATED_DATE	TIMESTAMP(8)	2014-02-18 00:00:00					
ADDR_CREATED_BY	VARCHAR(10)	glenn					
COMPANY_ID	VARCHAR(20)	TIFS					
ADDR_EDI_LOCN_NO	VARCHAR(20)	9377779294635					
ADDR_EDI_IN_HOUSE_LOCN_NO	VARCHAR(20)						
ADDR_EDI_NO	VARCHAR(35)						
ADDR_EDI_IN_HOUSE_NO	VARCHAR(35)						



Inventory Owner (PERSON_ADDRESS) - EDI Deliver To

The PERSON_ADDRESS where ADDR_TYPE = 'DT' - Deliver To Address record provides the details to be printed both on the Despatch Address (Connote) Label and if required, EDI SSCC labels.

An EDI Order may include 2 x Deliver To destinations:

- 1) DC (Distribution Centre) In House No. +
- 2) Retail Store In House No.

It is important to understand that a Delivery can be shipped firstly to a DC who then cross-dock and ship onto the nominated Store (using their own or another Carrier) or the Delivery is made Direct To Store.

Either way the Vendor (the Inventory Owner) must provide a list of both DC and In House Store No's and their corresponding addresses of their Customers (e.g. MYER, REBEL-SPORT, BIGW).

EDI Orders DO NOT include typical Address lines - they only provide an EDI In House No to indicate Destination Location.

The Warehouse*Minder Manager must setup a process whereby new or changed Deliver EDI Numbers are requested, received and entered into the PERSON_ADDRESS.

Warehouse*Minder will use the EDI Location No. during EDI Order importing to look up the PERSON_ADDRESS table to read the Address details and copy into the PICK_ITEM_ADDRESS table ready for printing onto the SSCC labels and Connnotes.

The following fields are populated in similar way as for the previous 'Sent From'

PERSON_ADDRESS Type records:

RECORD_ID = generated by System.

PERSON_ID = 'BIGW119'

Because this field is used internally by Warehouse*Minder (and the standard EDI Numbers are too long for this field - max 35 bytes) we cannot expect it to be supplied by the Inventory Owner. Therefore we suggest constructing from a constant prefix that uniquely indicates the Vendor's Customer e.g. 'BIGW', 'REBEL', 'MYER' then add the EDI In House No. e.g. '100', '101', '102' which when completed looks like following 'BIGW100', 'BIGW101' or 'MYER001', 'MYER004',

ADDR_TYPE = 'SF' - (Sent From)

(See OPTIONS.GROUP_CODE = 'ADDR_TYPE' for complete list of Address Types).

ADDR_LINE1 = 'Dapto Mall, Princess Hwy'

ADDR_LINE2 = may not be used

ADDR_SUBURB = 'Dapto'

ADDR_CITY = may not be used

ADDR_STATE = 'NSW'

ADDR_POST_CODE = '2530'

ADDR_COUNTRY = May be blank - default to 'Australia'.

ADDR_FIRST_NAME = "BIGW DAPTO [119]"

(Suggest concatenate with [In House No])

ADDR_STATUS = 'CU'

ADDR_CREATED_DATE = DatePicker

ADDR_CREATED_BY = Your UserID

COMPANY_ID = 'INSPIRE' - MUST use the Inventory Owner ID as these addresses 'belong' to them.

ADDR_EDJ_LOCN_NO = 'BIGW' maybe blank.

ADDR_EDJ_IN_HOUSE_LOCN_NO = '' Blank.

ADDR_EDJ_NO = '9377777134179'

EDI Purchase Order will include the Purchaser's

ADDR_EDJ_NO (but do not confuse with their In House Store No).

Please contact Inventory Owner for their Customer's **ADDR_EDJ_NO's**.

Please note format varies e.g.

- REBEL SPORTS' = 'REBEL-SPORT',

- BIGW's = '9377777134179'.

ADDR_EDJ_IN_HOUSE_NO = '119'.

This is the key field for handling of EDI Orders and is used inside the Customer's EDI PO to define the Deliver To Destination.

Save **PERSON_ADDRESS** entries.



Inventory Owner Address (PERSON_ADDRESS) - Deliver To - Example Record

Example record shown right is used on previous page of an EDI Deliver To PERSON_ADDRESS.

RECORD_ID	INTEGER(4)	3391282
PERSON_ID	VARCHAR(10)	BIGW119
ADDR_TYPE	CHAR(2)	DT
ADDR_LINE1	VARCHAR(100)	Dapto Mall, Princess Hwy
ADDR_LINE2	VARCHAR(50)	
ADDR_SUBURB	VARCHAR(25)	DAPTO
ADDR_CITY	VARCHAR(25)	
ADDR_STATE	VARCHAR(15)	NSW
ADDR_POST_CODE	VARCHAR(10)	2530
ADDR_COUNTRY	VARCHAR(25)	
ADDR_POST_4STATE_ID	VARCHAR(255)	
ADDR_MOBILE_NO	VARCHAR(15)	
ADDR_PHONE_NO	VARCHAR(30)	
ADDR_FAX_NO	VARCHAR(30)	
ADDR_EMAIL	VARCHAR(50)	
ADDR_TITLE	VARCHAR(10)	
ADDR_FIRST_NAME	VARCHAR(100)	BIGW DAPTO [119]
ADDR_LAST_NAME	VARCHAR(100)	
ADDR_STATUS	CHAR(2)	CU
ADDR_CREATED_DATE	TIMESTAMP(8)	2014-05-20 00:00:00
ADDR_CREATED_BY	VARCHAR(10)	glenn
COMPANY_ID	VARCHAR(20)	INSPIRE
ADDR_EDITION_NO	VARCHAR(20)	BIGW
ADDR_EDITION_IN_HOUSE_NO	VARCHAR(20)	
ADDR_EDITION_NO	VARCHAR(35)	9377777134179
ADDR_EDITION_IN_HOUSE_NO	VARCHAR(35)	119



Import Product Details (PROD_PROFILE)

The Product details are used throughout most warehousing operations and should be kept up to date at all times.

This includes Hand Held Screen Product Code and Descriptions, Desktop Screens and Reports including Enquiries by Product Code and/or Description including part Descriptions.

Product details are stored in the **PROD_PROFILE** table.

A part data entry screen example is shown right.

Mandatory fields shown as **BOLD**:

PROD_ID - should be the Barcode Number on each Product

SHORT_DESC - This is the Description is used on most screens and documents.

If **SHORT_DESC** is not provided then defaults to the **PROD_ID**.

LONG_DESC - Optional - Used when Product labels are required with additional information to assist the purchaser of the Product.

COMPANY_ID - Must be the Client's COMPANY ID as created in the COMPANY table. This ensures that the Product details stored in this record are used for receipting and shipping of this Client's inventory.

ALTERNATE_ID - Optional, often it's the Owner's Internal Product Code.

PROD_TYPE - Optional but helps grouping of Products for Reporting purposes.

Defaults to **CONTROL.DEFAULT_PROD_TYPE** which is usually 'PR'.

STOCK = 'C' - MUST populate with

'C' = Current or

'O' = Obsolete,

'U' = Unconfirmed - Default and which is used if a new Product Code has been created during Receipting by a Warehouse User.

UOM = 'EA' (Default Unit of Measure).

Must use a Code that is listed in the UOM Table where **UOM_TYPE** = 'UT' - Material Handling Unit Type.

ISSUE_UOM - Optional but defaults to UOM

ORDER_UOM - Optional but defaults to UOM

ISSUE_PER_ORDER_UNIT - Optional defaults to 1

LAST_UPDATE_DATE - popup date picker.

LAST_UPDATE_BY - your User ID, this must be manually edited.

SAVE CANCEL FIRST PREV. NEXT LAST		
PROD_ID	VARCHAR(30)	1000000296044
SHORT_DESC	VARCHAR(255)	MUNGO ZINE INSIGHT
LONG_DESC	VARCHAR(255)	MUNGO ZINE INSIGHT [Accesso
COMPANY_ID	VARCHAR(20)	BLEACH
ALTERNATE_ID	VARCHAR(30)	IMUNGOZ
PROD_TYPE	CHAR(2)	PR
STOCK	CHAR(1)	C
SPECIAL_INSTR	VARCHAR(50)	
PROD_IMAGE	BLOB(8)	<input type="button" value="Browse..."/> No file selected.
HOME_LOCN_ID	VARCHAR(10)	
SUPPLIER_NO1	VARCHAR(40)	
SUPPLIER_NO2	VARCHAR(40)	
SUPPLIER_NO3	VARCHAR(40)	
SUPPLIER_NO1_PROD	VARCHAR(20)	
SUPPLIER_NO2_PROD	VARCHAR(20)	
SUPPLIER_NO3_PROD	VARCHAR(20)	
SUPPLIER_PREFER	VARCHAR(3)	
UOM	CHAR(2)	EA
ISSUE_UOM	CHAR(2)	EA
ORDER_UOM	CHAR(2)	EA
ISSUE_PER_ORDER_UNIT	INTEGER(4)	1
PALLET_CFG_C	CHAR(2)	
PERM_LEVEL	CHAR(1)	
SSN_TRACK	CHAR(1)	
TOG_C	CHAR(2)	
DEFAULT_ISSUE_QTY	INTEGER(4)	
BACK_ORDER_QTY	INTEGER(4)	
RESERVED_QTY	INTEGER(4)	
MAX_QTY	INTEGER(4)	
MIN_QTY	INTEGER(4)	
REORDER_QTY	INTEGER(4)	
MAX_ISSUE_QTY	INTEGER(4)	
STANDARD_COST	DOUBLE PRECISION(8)	
LAST_UPDATE_DATE	TIMESTAMP(8)	2014-02-21 02:50:51
LAST_UPDATE_BY	VARCHAR(10)	glenn



Import Product Details (PROD_PROFILE) continued

ISSUE_PER_ORDER_UNIT = 1 This is default value.

ISSUE = 1. This is default value.

NET_WEIGHT - Used to hold the Product's weight without packaging. Used where Product is unpackaged and quantity picked is determined by total weight .e.g. Nuts and bolts.

If the Product is never handled in a 'Raw' state then populate with the **PACK_WEIGHT**.

VOLUME - Optional - Used to calculate Shipping Volume but system uses Dimensions if they are entered. Note further down is **VOLUME_UOM** = 'M3' Cubic Metres.

DIMENSION_X, DIMENSION_Y &

DIMENSION_Z - These fields are used to store the width, depth and height measurements. Technically these are mandatory for Freight Calculations and should use the packaged external dimensions.

DIMENSION_X_UOM, DIMENSION_Y_UOM & DIMENSION_Z_UOM -

The first **DIMENSION_X_UOM** is Mandatory.

SSN_TYPE = 'PRODUCT' - Not mandatory. Currently used for grouping fresh produce into families.

PACK_WEIGHT = '0.990'

Used for Freight calculations

ISSUE_PER_INNER_UNIT	INTEGER(4)	1
ORDER_WEIGHT	NUMERIC(9,3)(4)	
NET_WEIGHT_UOM	CHAR(2)	KG
ORDER_WEIGHT_UOM	CHAR(2)	
ISSUE	INTEGER(4)	1
INNER_UOM	CHAR(2)	
INNER_WEIGHT_UOM	CHAR(2)	KG
PALLET_CFG_INNER	CHAR(2)	
PALLET_CFG_ALTERNATE	CHAR(2)	
NET_WEIGHT	NUMERIC(9,2)(4)	0.99
INNER_WEIGHT	NUMERIC(9,2)(4)	
ALTERNATE_COMPANY_ID	VARCHAR(20)	
VOLUME	DOUBLE PRECISION(8)	0.0041
UOM_SIZE	VARCHAR(10)	
MAX_WEIGHT_UNDER	SMALLINT(2)	
MAX_WEIGHT_OVER	SMALLINT(2)	
DIMENSION_X	NUMERIC(9,3)(4)	30.000
DIMENSION_Y	NUMERIC(9,3)(4)	45.000
DIMENSION_Z	NUMERIC(9,3)(4)	3.000
DIMENSION_X_UOM	CHAR(2)	CM
DIMENSION_Y_UOM	CHAR(2)	CM
DIMENSION_Z_UOM	CHAR(2)	CM
EXPORT_CATEGORY	CHAR(1)	
PICK_IMPORT	CHAR(1)	T
TEMPERATURE_ZONE	CHAR(2)	
TAX_APPLICABLE	CHAR(1)	T
SSN_TYPE	VARCHAR(40)	PRODUCT
PP_PACKAGE_TYPE	CHAR(2)	
PP_MATERIAL_SAFETY_DATA	CHAR(1)	F
PP_MATERIAL_SAFETY_DATA_NO	VARCHAR(40)	
PP_HAZARD_STATUS	VARCHAR(5)	
PP_HAZARD_WARNING	VARCHAR(128)	
PP_HAZARD_IMAGE1	INTEGER(4)	
PP_HAZARD_IMAGE2	INTEGER(4)	
PP_HAZARD_IMAGE3	INTEGER(4)	
VOLUME_UOM	VARCHAR(10)	M3
PACK_WEIGHT	NUMERIC(9,3)(4)	0.990

Data Identification (PARAM)

Automatic Data Identification is key to fast and accurate Data Collection Systems.

The need to identify the Data Type is important at many stages of inventory handling including Order Checking prior to its Despatch.

The PARAM table defines the Data Types used inside the Warehouse typically:

- Storage Location Barcodes e.g. 'MVJ1010201' (Code 93)
- ISSN/Putaway Barcodes e.g. '10001234' (Code 128)
- Product Codes e.g. '9331002191085' (GS1 GTIN 13)
- Carrier Consignment Barcode Numbers e.g. '99700160BBE4000002010224092704' (eParcel Code 128)
- Shipping/Sales/Pick Order Numbers e.g. 'S00099675' (Code 128)

The objective is to ensure each Data Type is able to be unambiguously identified.

The MINDER Series PARAM table is used to identify the Data Type via a number of properties:

- Length (**MAX_LENGTH**) e.g. '13'
 - Fixed or Variable (**FIXED_LENGTH**) e.g. 'T'
- Barcode Symbology Prefix (Please note not all of the Hand Held screens use Barcode Symbology for data identification). (**SYMBOLGY_PREFIX**) e.g. 'JEO'
- Regular Expressions (see http://en.wikipedia.org/wiki/Regular_expression if you are not familiar with the term). (**DATA_EXPRESSION**) e.g. '[0-9]*'

If a new Client's PRODUCT_CODE is different to the current standard e.g. '123456' with Interleaved 2 of 5 Barcode then additional entries will be required to enable concurrent Data Type Identifications.

Hence a new **PARAM** record needs to be added where:

DATA ID='PROD I20F5'

MAX_LENGTH = '6' (Ignore DATA TYPE as this is not currently used)

FIXED LENGTH = 'T'

SYMBOLGY PREFIX = 'I0' (I= Interleaved 2 of 5 - uses AIM standard)

DATA EXPRESSION = '[0-9]*' (This means any numeric character)

GLOBAL_SEARCH = 'T' - Used by TOOL*MINDER

The empty fields shown below are used for Menu navigation and number generation algorithms.

DATA_TYPE_ID = 'PROD_ID' - This is the Database field name for Product Codes. It enables multiple PRODUCT_CODE Formats.

SAVE	CANCEL	FIRST	PREV.	NEXT	LAST
		DATA_ID	VARCHAR(20)	PRODUCT_CODE	
		MAX_LENGTH	INTEGER(4)	13	
		DATA_TYPE	CHAR(1)	1	
		FIXED_LENGTH	CHAR(1)	T	
		SYMBOLGY_PREFIX	VARCHAR(20)]E0;	
		DATA_EXPRESSION	VARCHAR(40)	[0-9]*	
		GLOBAL_SEARCH	CHAR(1)	T	
		MENU_NAME	VARCHAR(40)		
		TABLE_NAME	VARCHAR(40)		
		FIELD_NAME	VARCHAR(40)		
		MENU_URL	VARCHAR(255)		
		DATA_PREFIX	VARCHAR(15)		
		DATA_SUFFIX	VARCHAR(15)		
		DATA_START_NO	INTEGER(4)		
		DATA_END_NO	INTEGER(4)		
		DATA_GENERATOR	VARCHAR(31)		
		DATA_SEQUENCE	INTEGER(4)		
		DATA_TYPE_ID	VARCHAR(20)	PROD_ID	



Edit Shipping Manifest

Currently The MINDER Series uses one of two Open Sourced Reporting Toolsets:

- **Report Manager**, and
- **JasperReports**.

The default MINDER Series Reporting Toolset is **Report Manager** which is a reporting application (Report Manager Designer) and a set of libraries and utilities to preview, export or print reports. Includes native .Net and Delphi/C++Builder libraries, ActiveX component and also standard dynamic link library for use in any language like GNU C. This toolset is only able to run on 32Bit Operating Systems.

JasperReports is an open source Java reporting tool that can write to a variety of targets, such as: screen, a printer, into PDF, HTML, Microsoft Excel, RTF, ODT, Comma-separated values or XML files. It can be used in Java-enabled applications, including Java EE or web applications, to generate dynamic content. It reads its instructions from an XML or .jasper file.

JasperReports requires the installation of Apache Tomcat (or simply Tomcat, formerly also Jakarta Tomcat) to run.

Tomcat is an open source web server and servlet container developed by the Apache Software Foundation (ASF). Tomcat implements the Java Servlet and the JavaServer Pages (JSP) specifica-

tions from Sun Microsystems, and provides a "pure Java" HTTP web server environment for Java code to run in.

B&DCS has found that the JasperReports requires considerably more Server computing resources and is best suited to sites that have in-house Java developer skills.

This User Guide will detail the editing of **Report Manager**.

The following is only a brief description of how to use Report Manager.

It is assumed that the User has Report Writing Software skills such as with Crystal Reports™ or similar products.

As with most report writing toolsets considerable training and up-to-date practice is required to master.

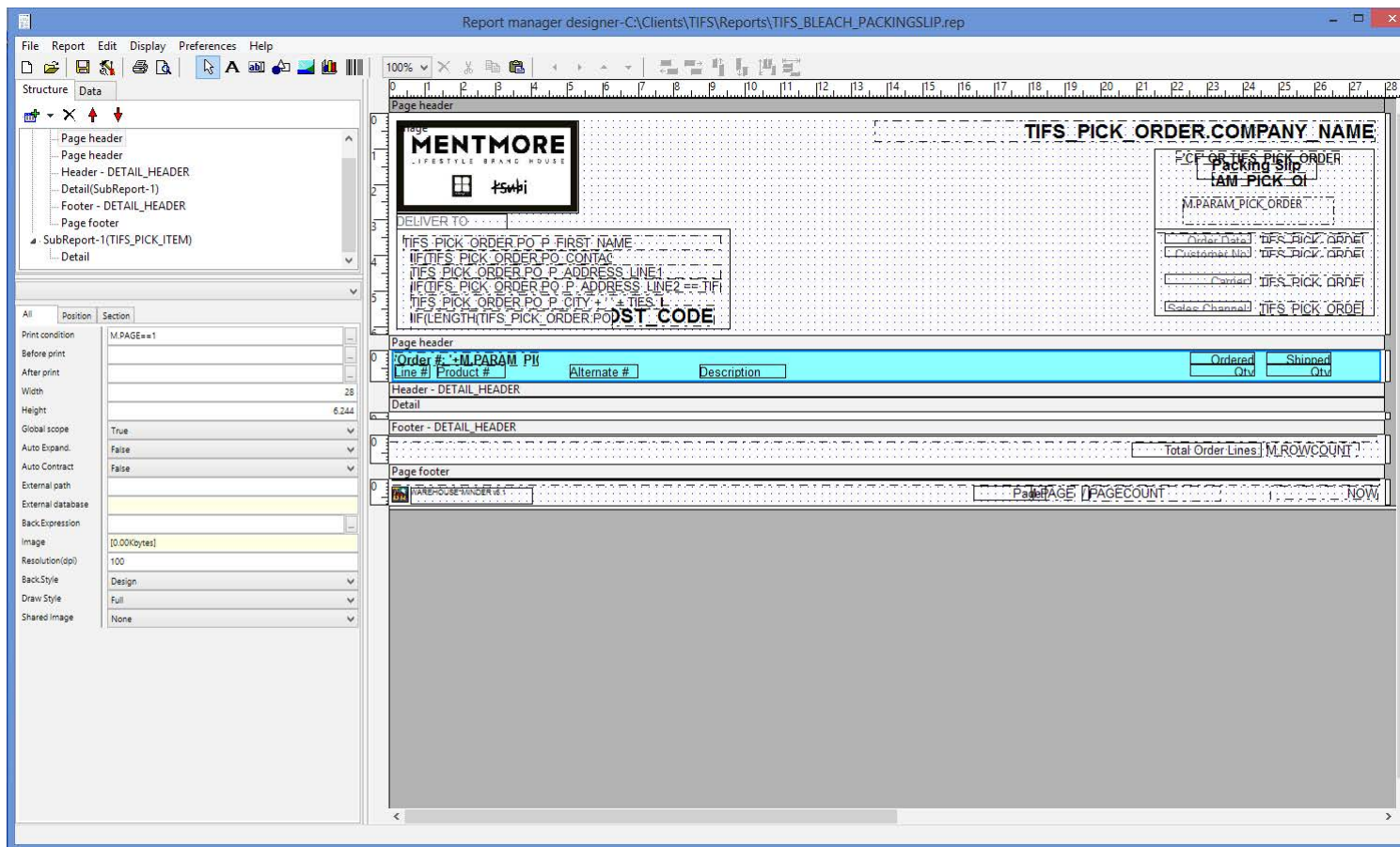
B&DCS Support Contract does not include how to use Report Manager Designer.

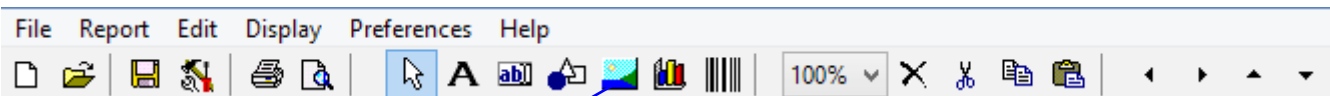
The following User Guide Notes will however provide sufficient guidance to modifying the supplied ReportMan Report used to create the Despatch Manifest.



Edit Shipping Manifest continued...

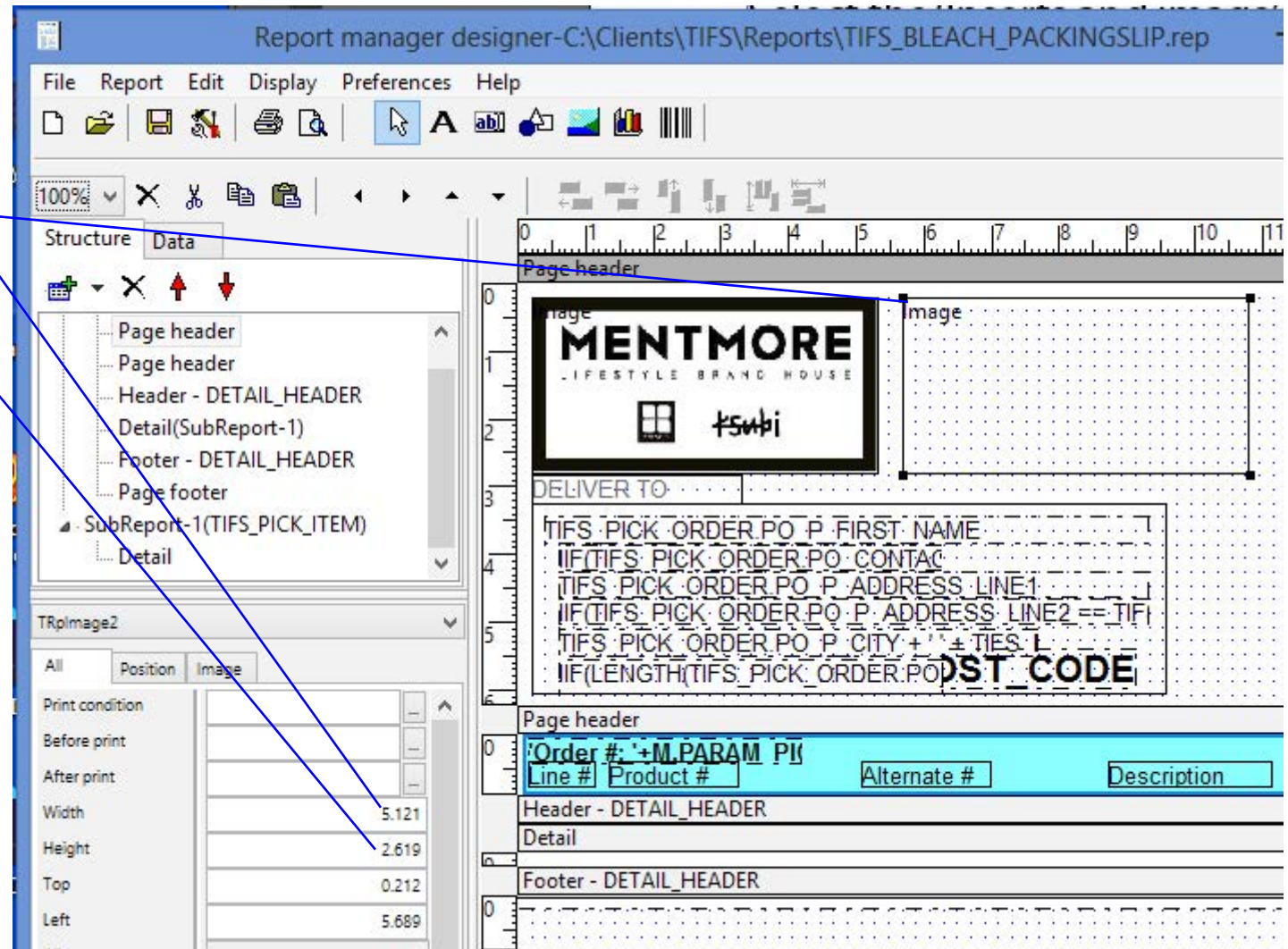
Report Manager (ReportMan) Designer looks like the following screen with slight variations between Windows and Linux platforms....





Select the 'Inserts an image' icon and then hold down left mouse button and stretch out rectangle alongside of the current logo to match its Width (5.121 cm) and Height (2.619cm). Click on current logo ('Mentmore') to get it's current Width and Height values.

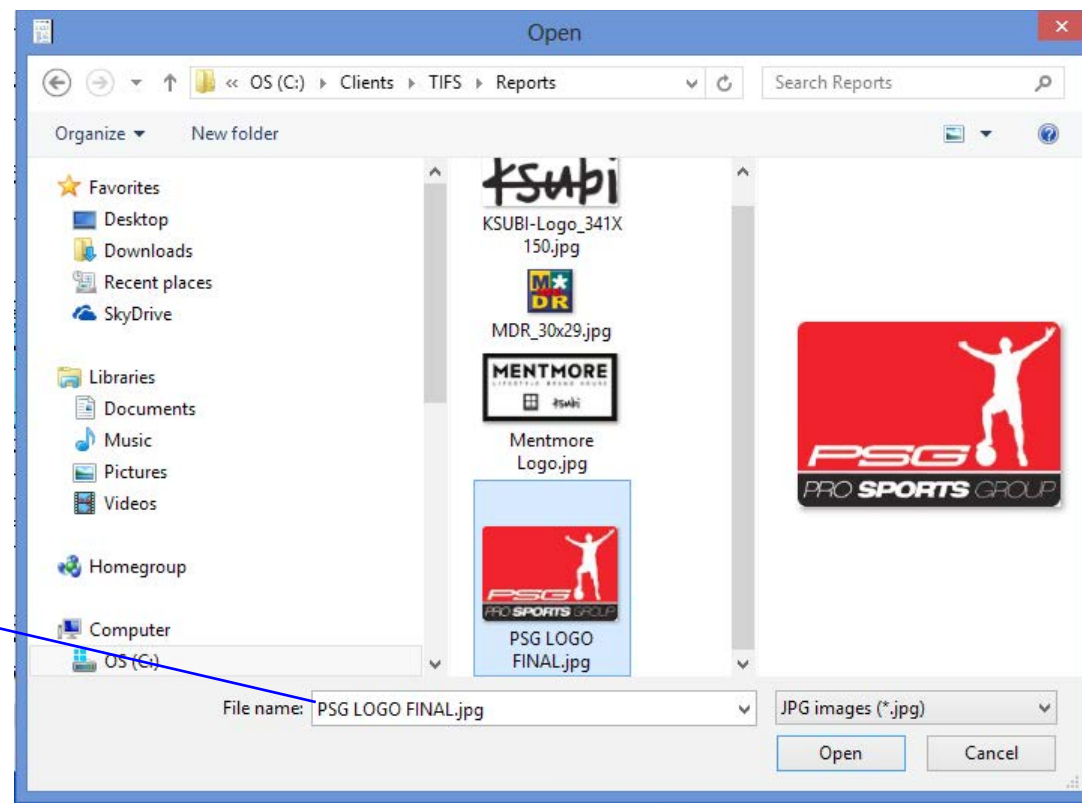
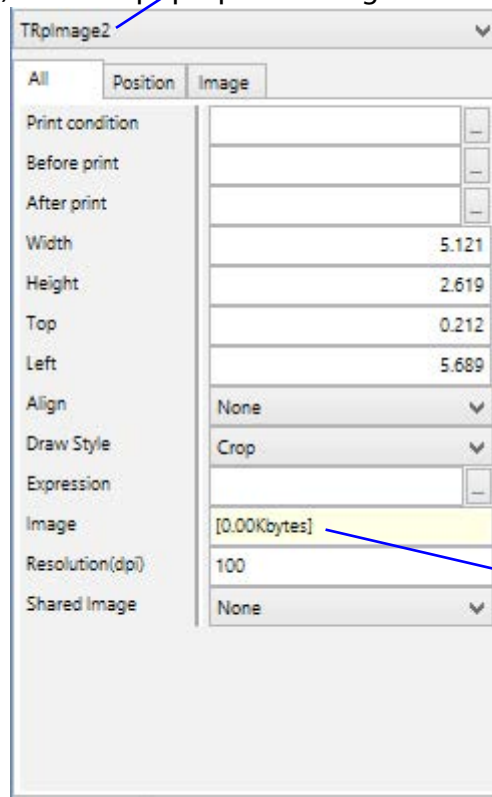
At this stage you have only created the size and location of the new logo.



Select Logo Image File

Once you have created the Image area we need to select the image (Logo) to be displayed inside the area.

Click on the created image (each of its four corners will have small square solid blocks) and look at its properties - see 'TRplImage2' below. Then click in the 'Image' input field (light yellow colour). This will pop-up File dialog screen ...



Select the required Logo e.g. 'PSG LOGO FINAL.jpg' shown above.



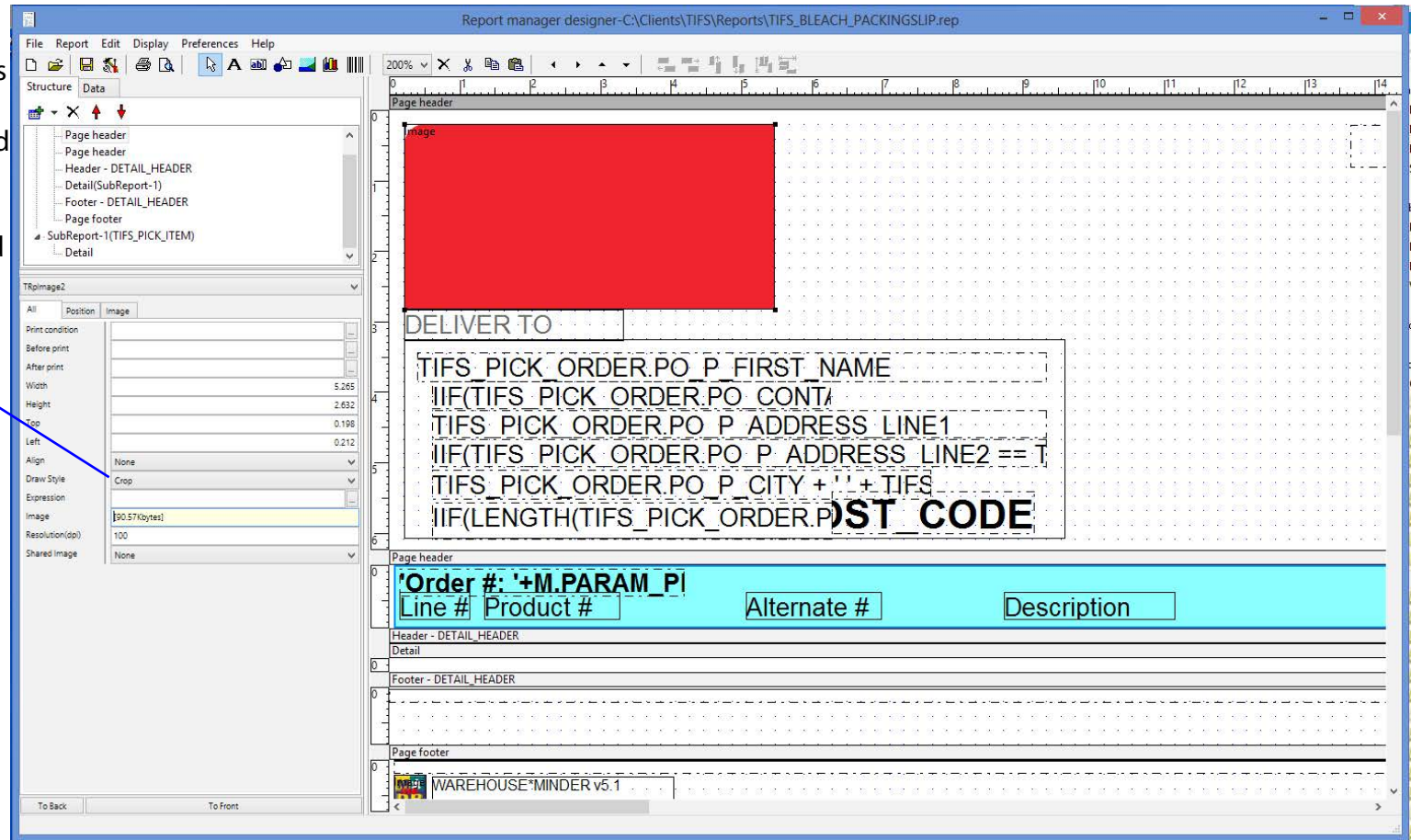
After selecting the required Logo image and then 'Open' button the image is filled with the logo.

Drag the image area back over the top of the existing Logo.

At this point we cannot make out it's the required logo. We need it to be reduced until it occupies the defined image area.

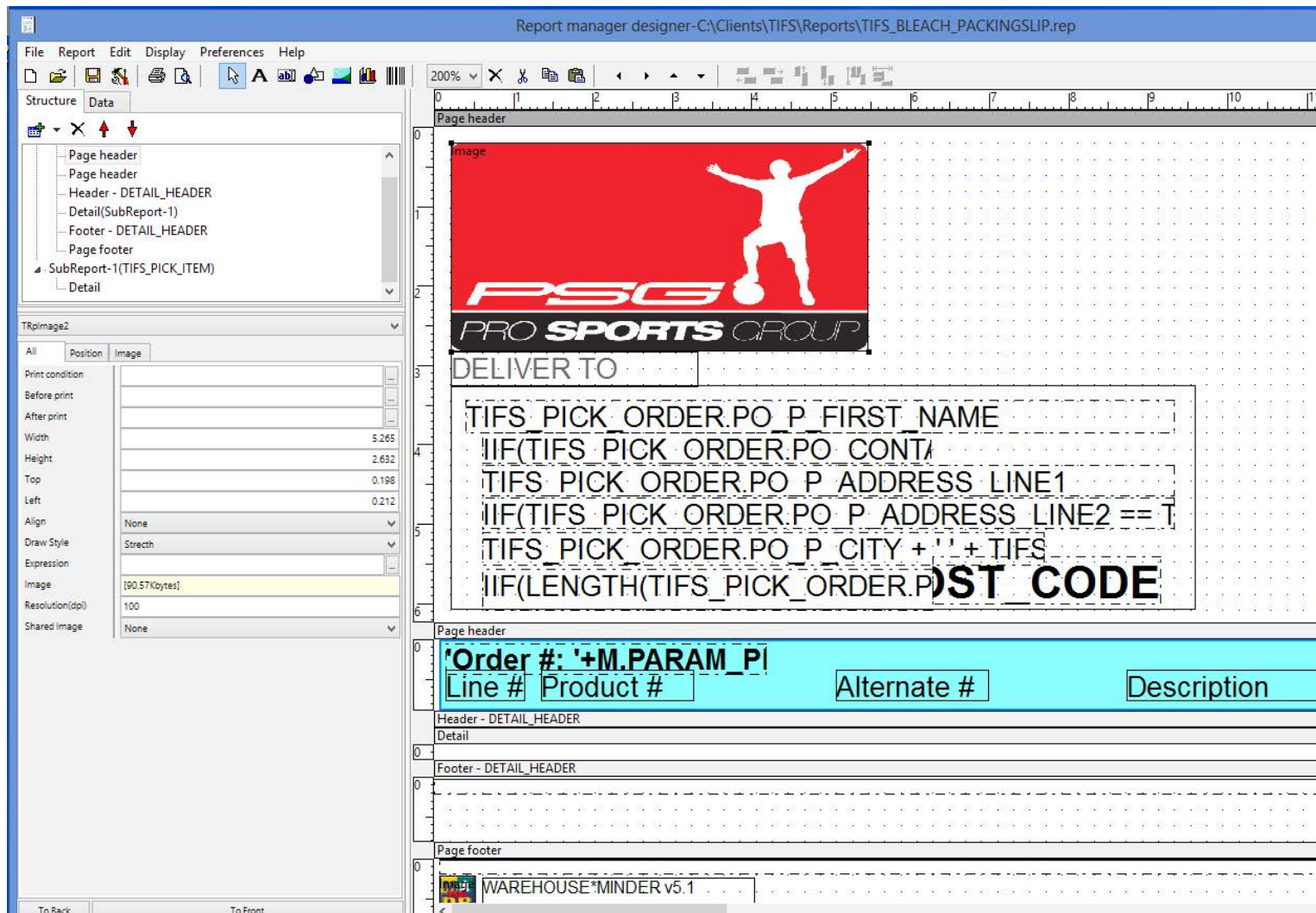
Note the TRpImage2 Property called 'Draw Style' = 'Crop'.

Select from the drop down list the 'Stretch' (please excuse the Spanish Developers spelling of Stretch).





The screen should now display the complete Logo....



But we are not yet finished.



We only require the 'PRO SPORTS GROUP' Logo whenever the Order belongs to the PS Group. Similarly, when the Order is for another Client we need to have the correct logo printed.

To achieve this we hope you observed the 'TRpImage2' Property called 'Print Condition'?

We need to enter an expression that is evaluated whenever the document is about to be printed.

Report manager designer-C:\Clients\TIFS\Reports\TIFS_BLEACH_PACKINGSLIP.rep

File Report Edit Display Preferences Help

Structure Data

- Page header
- Page header
- Header - DETAIL_HEADER
- Detail(SubReport-1)
- Footer - DETAIL_HEADER
- Page footer
- SubReport-1(TIFS_PICK_ITEM)
 - Detail

TRpImage2

All Position Image

Print condition

Before print

After print

Width 5.265

Height 2.632

Top 0.198

Left 0.212

Align None

Draw Style Stretch

Expression

Image [90.57Kbytes]

Resolution(dpi) 100

Shared Image None

200%

Page header

image

PSG PRO SPORTS GROUP

DELIVER TO

TIFS_PICK_ORDER.PO P_FIRST_NAME

IIF(TIFS_PICK_ORDER.PO CONT

TIFS_PICK_ORDER.PO P_ADDRESS LINE1

IIF(TIFS_PICK_ORDER.PO P_ADDRESS LINE2 == T

TIFS_PICK_ORDER.PO P_CITY + ' ' + TIFS

IIF(LENGTH(TIFS_PICK_ORDER.PO)ST CODE

Page header

'Order #: '+M.PARAM_P

Line # Product # Alternate # Description

Header - DETAIL_HEADER

Detail

Footer - DETAIL_HEADER

Page footer

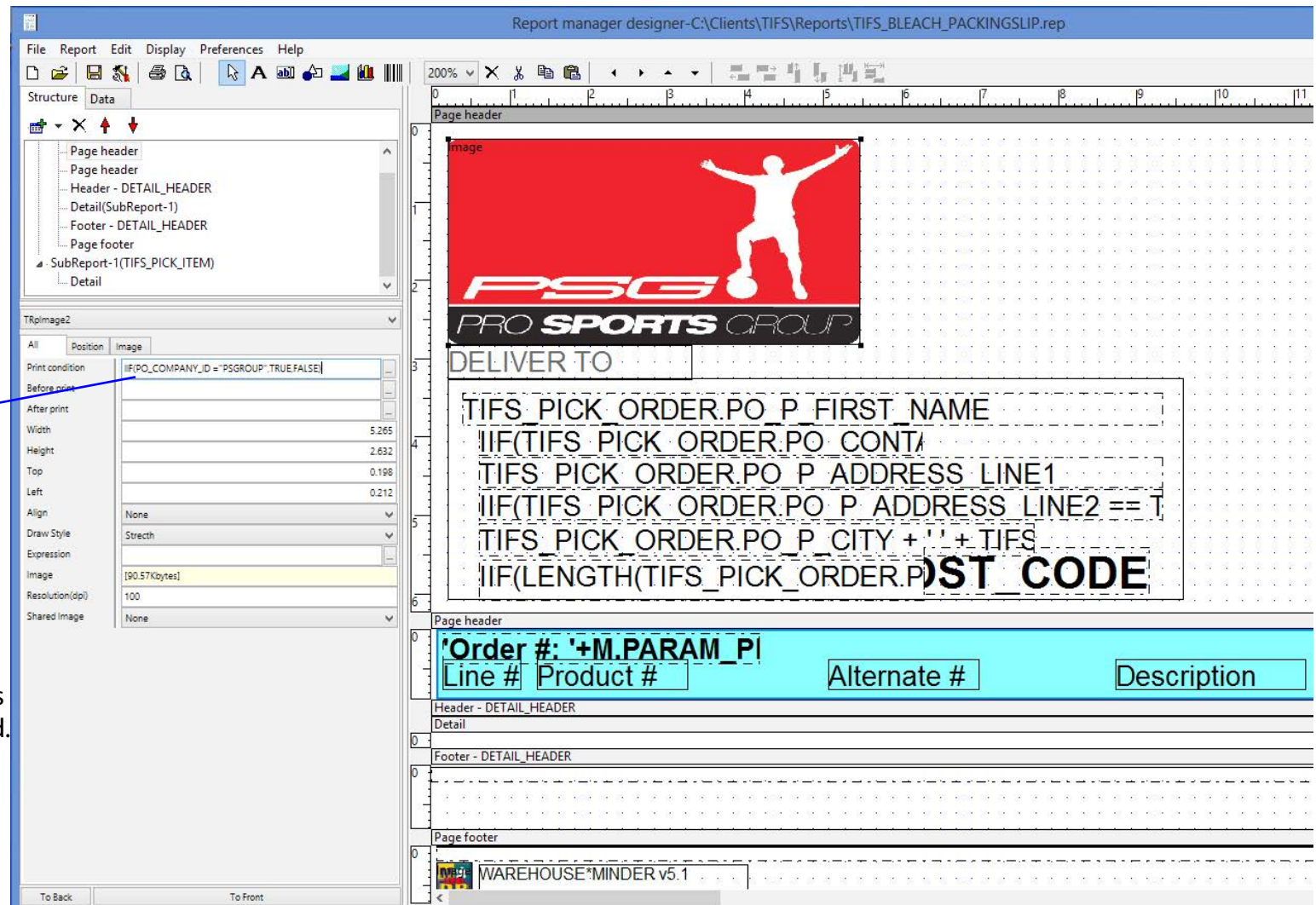
WAREHOUSE*MINDER v5.1

Entering a Print Condition Expression

Enter an expression into the Print Condition field:

IIF(PO_COMPANY_ID='PSGROUP', TRUE, FALSE)

If the current Order belongs (PICK_ORDER.COMPANY_ID) to the Client = 'PSGROUP' then the expression returns 'TRUE' in which case the PS Group Logo is printed. On the otherhand if the Order is for another Client then a 'FALSE' result is returned and the Logo is not printed.



The screenshot shows the Report Manager Designer interface for the report 'TIFS_BLEACH_PACKINGSLIP.rep'. The 'Print condition' field is set to 'IIF(PO_COMPANY_ID='PSGROUP', TRUE, FALSE)'. The report layout includes a header section with a red background and a white silhouette of a person jumping over a ball, with the text 'PSG PRO SPORTS GROUP' and 'DELIVER TO'. Below this is a section for 'TIFS PICK ORDER.PO P FIRST NAME' and 'TIFS PICK ORDER.PO P ADDRESS LINE1', followed by 'TIFS PICK ORDER.PO P ADDRESS LINE2 == T' and 'TIFS PICK ORDER.PO P CITY + ' + TIFS'. The footer section includes 'Order #: '+M.PARAM_PI', 'Line #', 'Product #', 'Alternate #', and 'Description'. The bottom of the report shows 'WAREHOUSE*MINDER v5.1'.



However, what about the original logo (Mentmore)?

There is currently no 'Print Condition' expression so it will be printed everytime.

We of course need to add it's own Print Condition expression.

Just move the PS Group image slightly aside to reveal the image underneath, select it and then add

IIF(PO_COMPANY_ID='BLEACH, TRUE, FALSE).

Repeat adding a new Logo and Print Condition expression for each new Client.

Report manager designer-C:\Clients\TIFS\Reports\TIFS_BLEACH_PACKINGSLIP.rep

File Report Edit Display Preferences Help

Structure Data

- Page header
- Page header
- Header - DETAIL_HEADER
- Detail(SubReport-1)
- Footer - DETAIL_HEADER
- Page footer
- SubReport-1(TIFS_PICK_ITEM)
- Detail

TRpimage0

All Position Image

Print condition: IIF(PO_COMPANY_ID='BLEACH', TRUE, FALSE)

Before print

After print

Width: 5.121

Height: 2.619

Top: 0.212

Left: 0.212

Align: None

Draw Style: Stretch

Expression:

Image: [31.87Kbytes]

Resolution(dpi): 100

Shared image: None

To Back To Front

Page header

DELIVER TO

TIFS_PICK_ORDER.PO P FIRST NAME

IIF(TIFS_PICK_ORDER.PO CONT

TIFS_PICK_ORDER.PO P ADDRESS LINE1

IIF(TIFS_PICK_ORDER.PO P ADDRESS LINE2 == T

TIFS_PICK_ORDER.PO P_CITY + ' ' + TIFS

IIF(LENGTH(TIFS_PICK_ORDER.P)ST CODE

Page header

Order #: '+M.PARAM_PI

Line # Product # Alternate # Description

Header - DETAIL_HEADER

Detail

Footer - DETAIL_HEADER

Page footer

WAREHOUSE*MINDER v5.1





Report Manager

Install Report Manager

Use Google to search 'ReportMan Download' and which should take you to the following URL:

reportman.sourceforge.net/download.html

Download

To download Report Manager you must go to sourceforge project.

<http://sourceforge.net/projects/reportman>

Download and install using default settings (but make sure you use 32Bit or 64Bit to match your Desktop Operating System)

[Home](#) / [Browse](#) / Report Manager

Report Manager

Reporting tool, libraries and designer

Brought to you by: [tonim](#)

[Summary](#) | [Files](#) | [Reviews](#) | [Support](#) | [Tickets](#) | [Code](#) | [SVN](#)

★ 4.8 Stars (32)
↓ 328 Downloads (This Week)
📅 Last Update: 2013-12-13

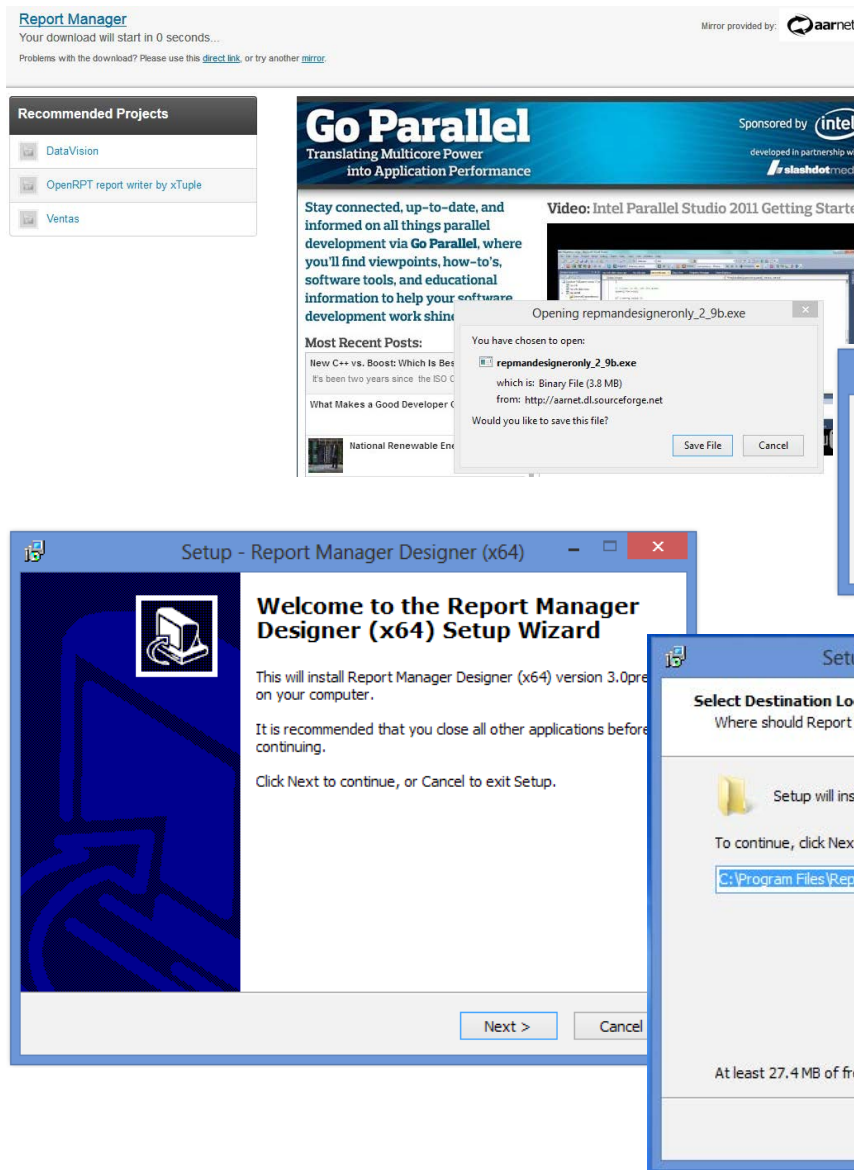
[Download](#)
repmandesigneronly_2_9b.exe

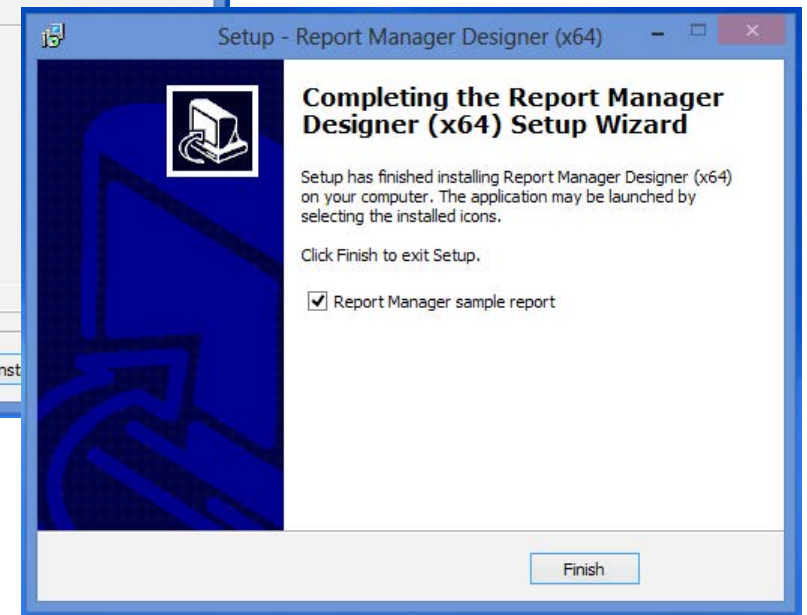
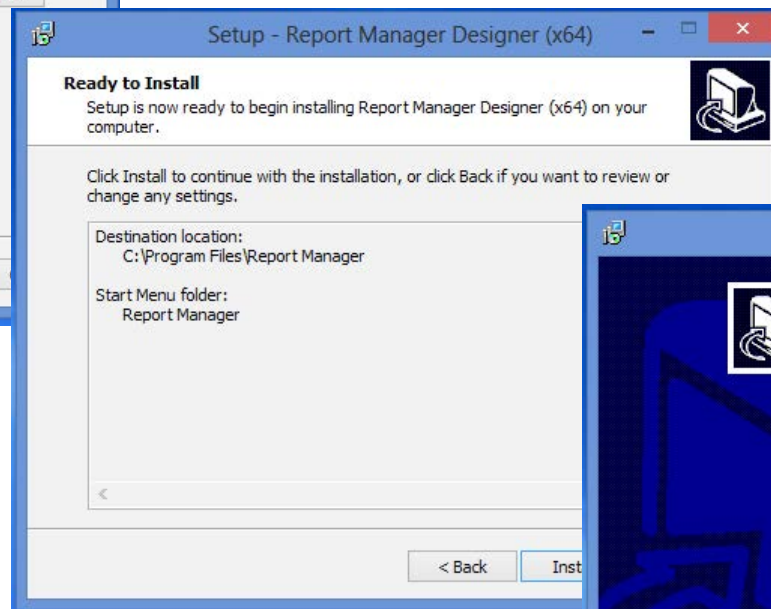
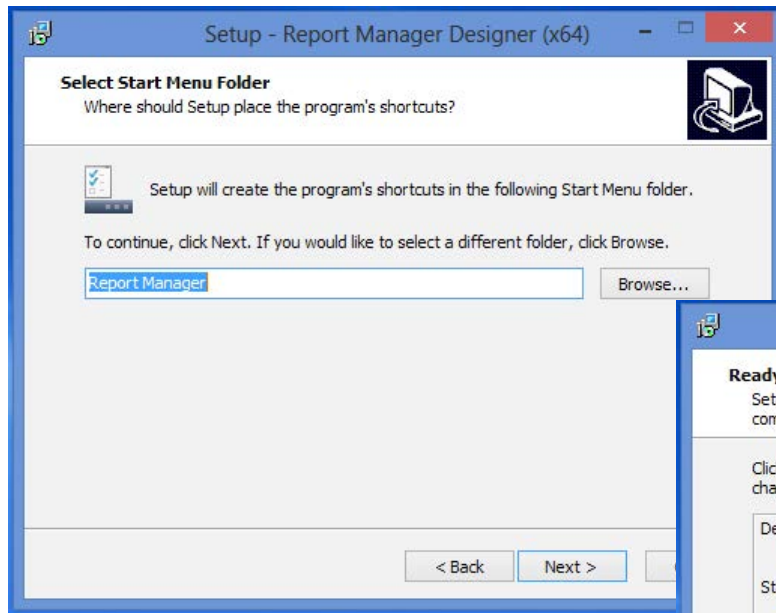
[Browse All Files](#)

Description

Report Manager is both a print scheme designer (report) and a high level printing (reporting) engine. Also a TCP Report Server and a Web Report Server (PDF on the fly), supports Windows and Linux. Connectivity to almost all databases is provided.

[Report Manager Web Site](#)

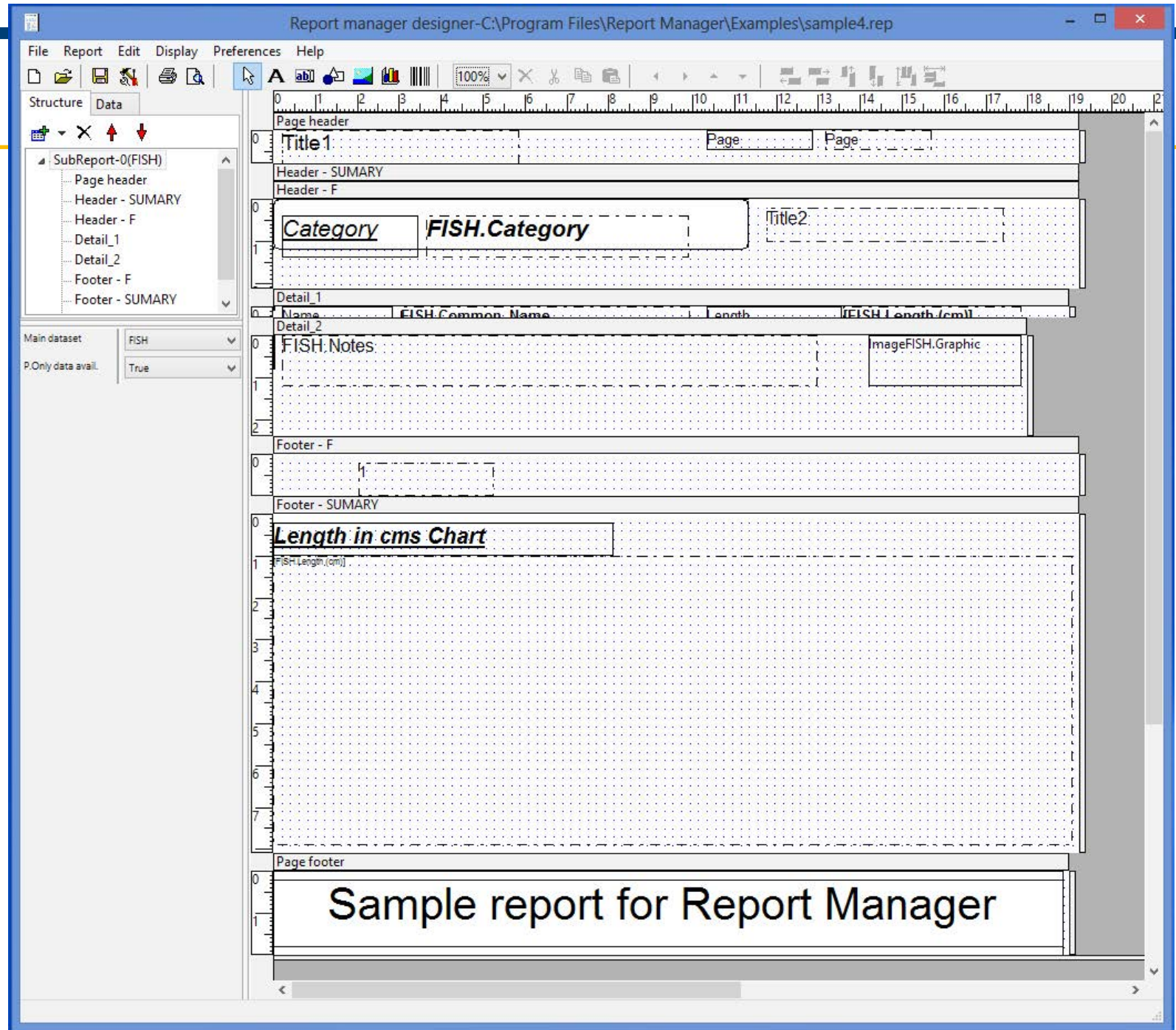






Start up ReportMan and Open their sample.rep which should be similar to Report shown right...

We still have to install Firebird Database Client before we can start to work with Manifest.



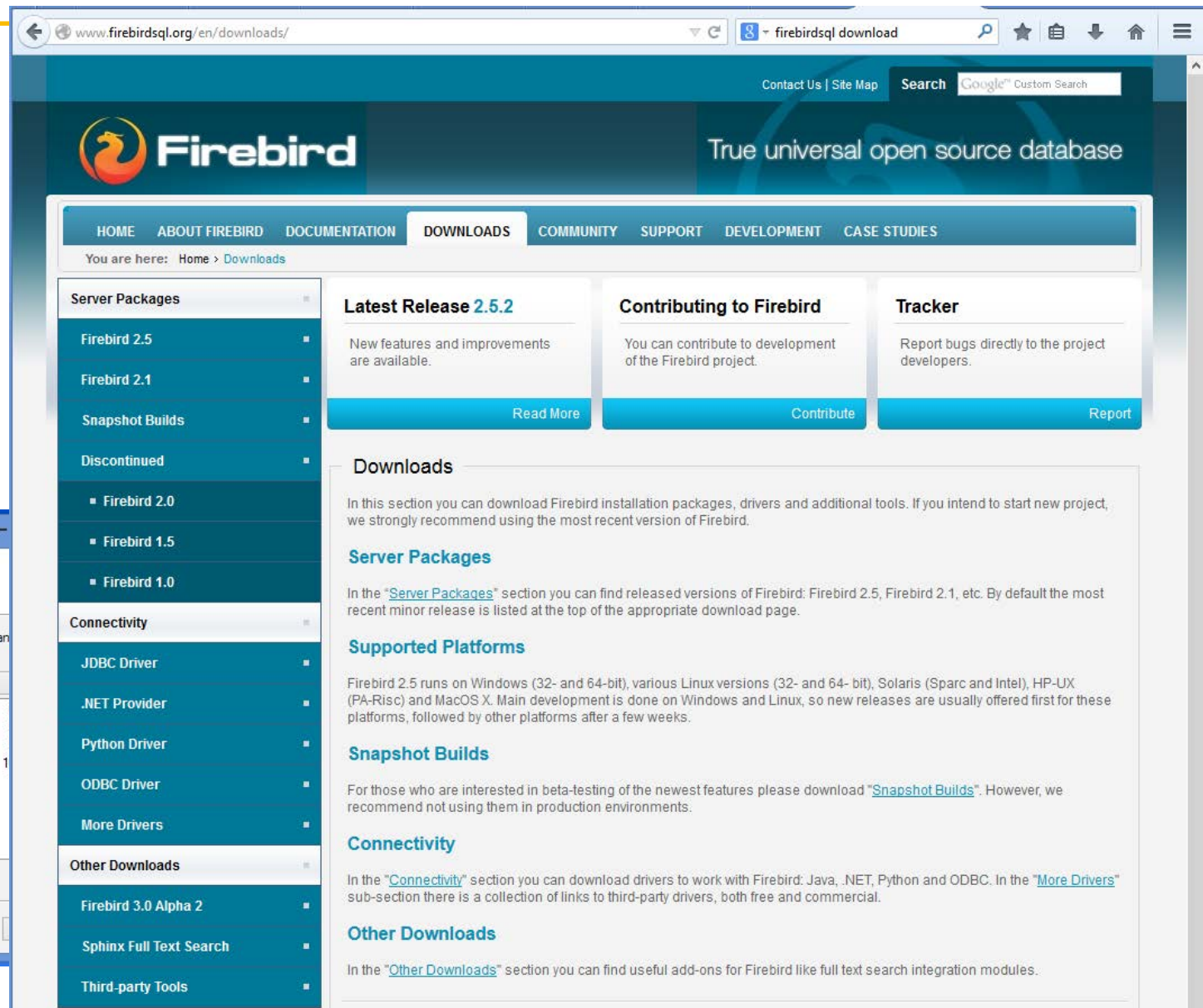
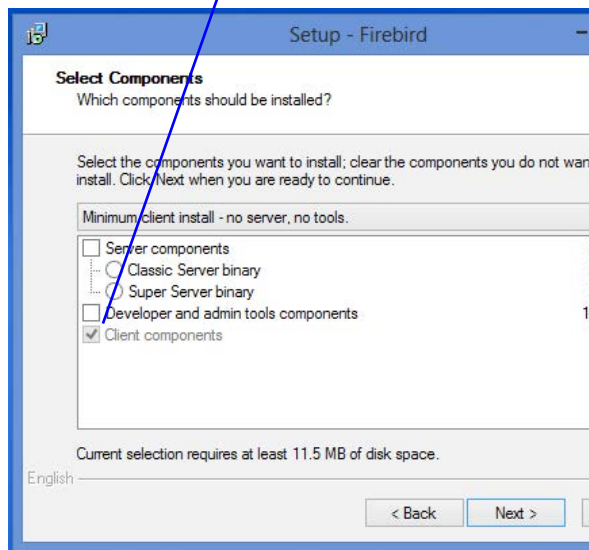


Firebird SQL

Install Firebird SQL Client

Firebird SQL Client Software is required before ReportMan can connect to the MINDER Database.

The following pages describe the installation of Firebird which to unfamiliar Users requires the complete Firebird System to be downloaded but at installation ONLY INSTALL the '**Client components**'.





Select 32Bit or 64Bit System


Select Firebird-2.5.2.xxxx xWin32.exe or x64.exe
to match your desktop Operating System...

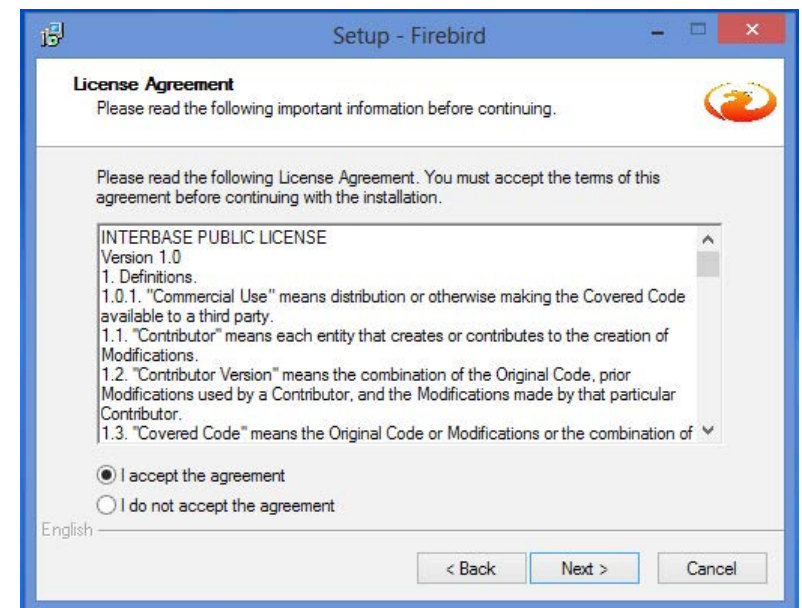
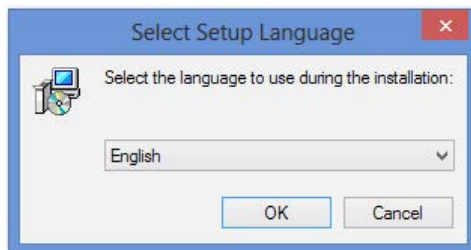
Win32			
32-bit Classic, Superclassic & Superserver			
March 24, 2013	Firebird-2.5.2.26540_0_Win32.exe	7 MB	Windows executable installer for full Superclassic/Classic or Superserver, recommended for first-time users
March 24, 2013	Firebird-2.5.2.26540-0_Win32.zip	10 MB	Zip kit for manual/custom installs of Superclassic/Classic or Superserver

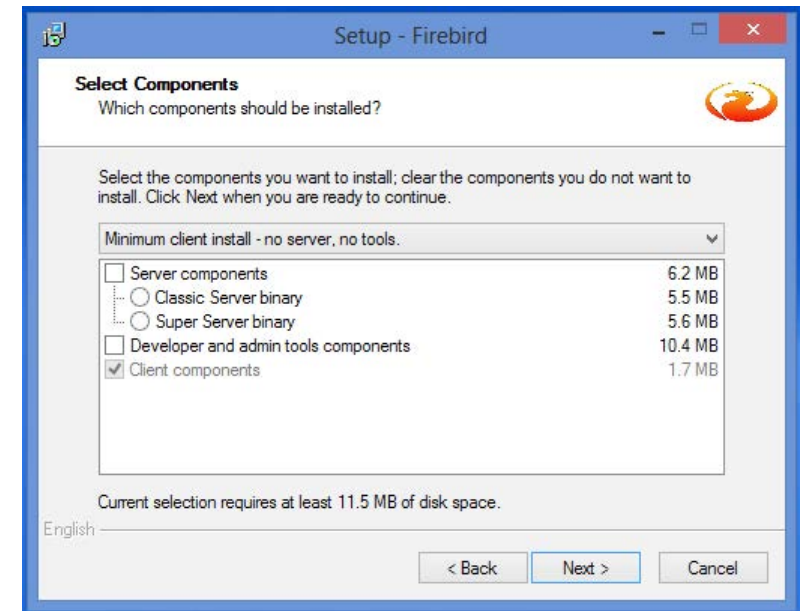
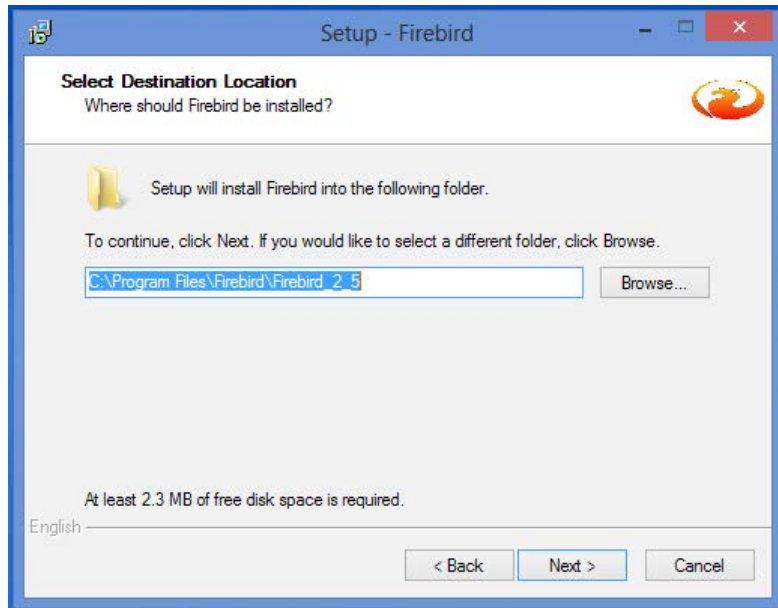
Win64			
64-bit Classic, Superclassic & Superserver			
March 24, 2013	Firebird-2.5.2.26540_0_x64.exe	10 MB	Windows executable installer for full Superclassic/Classic or Superserver, recommended for first-time users
March 24, 2013	Firebird-2.5.2.26540-0_x64.zip	12 MB	Zip kit for manual/custom installs of Superclassic/Classic or Superserver

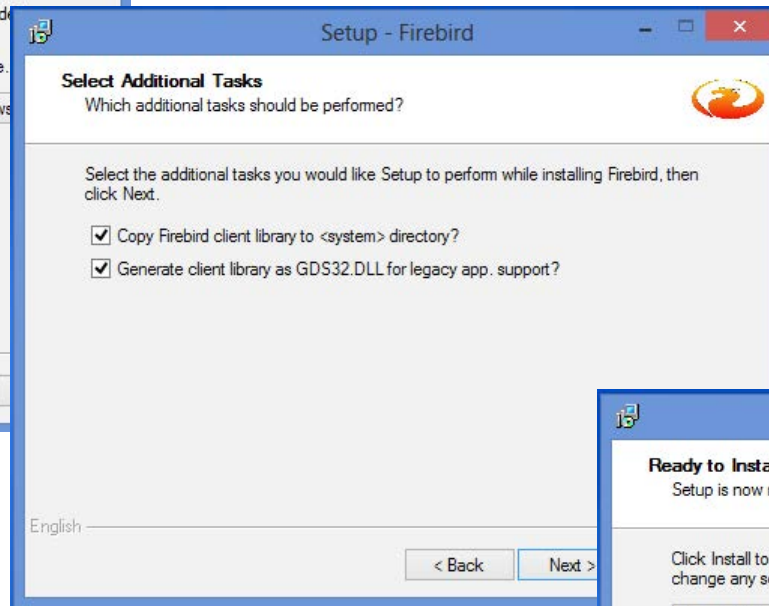
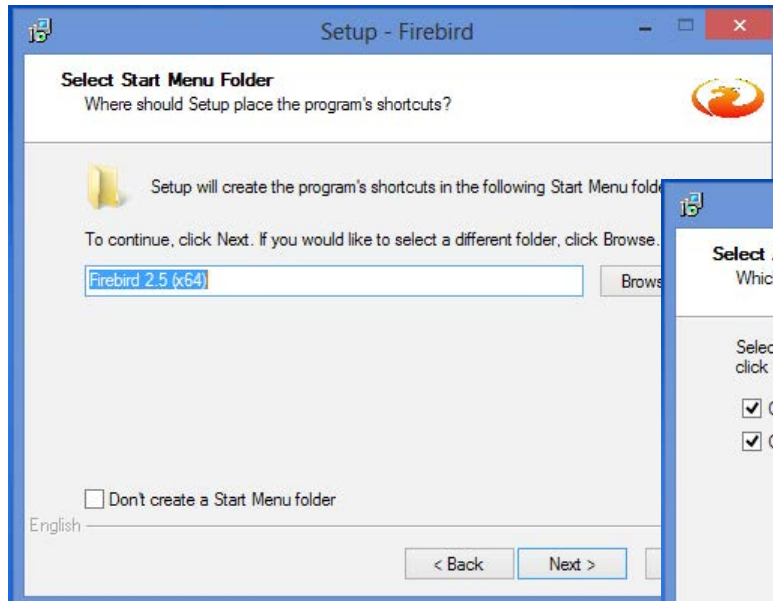
The screenshot shows the SourceForge download page for Firebird-2.5.2.26540_0_x64.exe. The page includes the SourceForge logo, a search bar, and navigation links. The main content area shows the download progress and a mirror provided by UFPR. Below the download section, there are recommended projects: FlameRobin, Unified Interbase, and ZeosLib. A large banner for 'MAXIMIZE VELOCITY AND SPEED PAST NETWORK DOWNTIME!' is also visible. In the bottom right corner, a Windows file dialog box is open, showing the file 'Firebird-2.5.2.26540_0_x64.exe' and its details: Binary File (9.7 MB) from http://ufpr.dl.sourceforge.net. The dialog box has 'Save File' and 'Cancel' buttons.

Locate the saved .exe and excute (may need to
Run as Administrator on Windows 7+)....

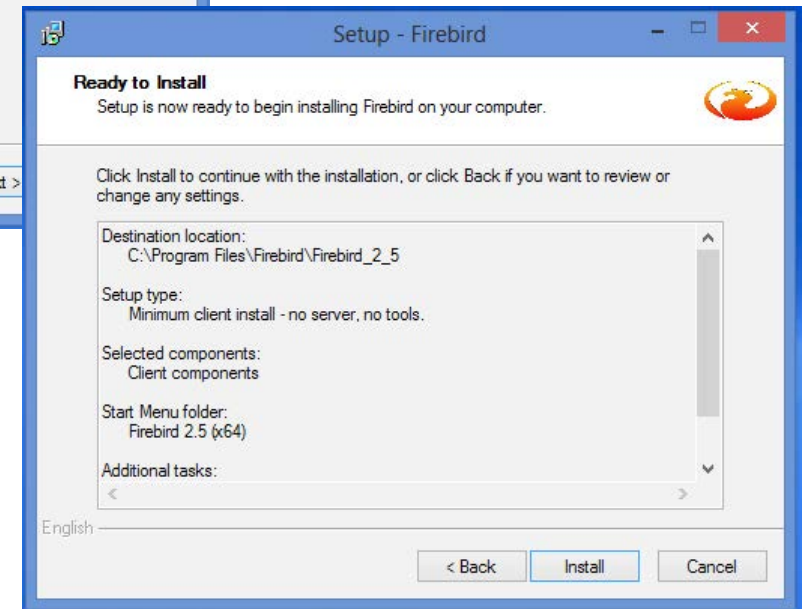
Name	Date modified	Type	Size
 Firebird-2.5.2.26540_0_x64.exe	21/02/2014 9:40 AM	Application	9,968 KB

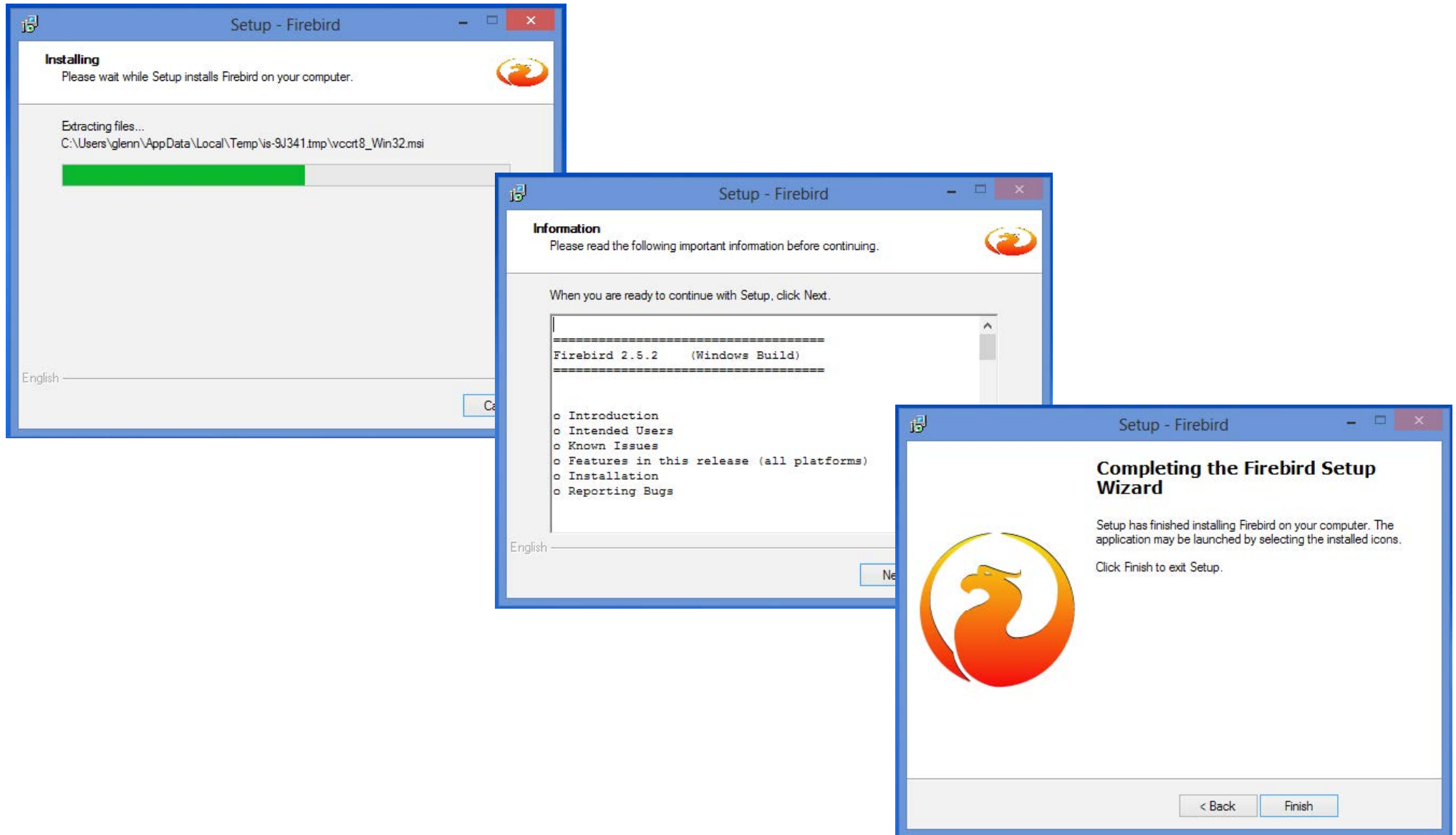






After installing Firebird the 'GDS32.DLL' may need to be copied into C:\Windows\SYSTEM32 folder or modify the Path to enable ReportMan to find it. You may also need to make a copy GDS32.DLL and rename as 'fbclient.dll' and copy and place into SYSTEM32 folder.







FTP Folder Locations

Currently we are using one FTP Folder for all Clients' to place ('Put' is the FTP terminology) their Orders Data file.

This is not practical when there are multiple Clients.

B&DCS have set up a batch of 10 x FTP folders which only 1 Folder is to be assigned to each Client.

Each Client will require a User ID and password.

<u>USERNAME</u>	<u>PASSWORD</u>	<u>COMPANY ID</u>
import-00	salesOrders	BLEACH
import-01	salesOrders	PSGROUP
import-02	salesOrders	STEM
import-03	salesOrders	INSPIRE
import-04	salesOrders	
import-05	salesOrders	
import-06	salesOrders	
import-07	salesOrders	
import-08	salesOrders	
import-09	salesOrders	

Please restrict publication of these passwords.



Release Notes

v2 - 25/2/2014 -

v3 - 14/3/2014 -

v4 - 18/3/2014 - Update for EDI Address handling