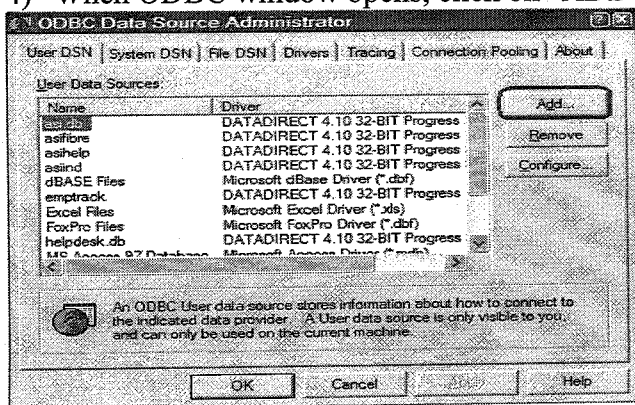# Setting up Crystal reports

1) Open Progress explorer
2) Right click "Progress Explorer" and connect (Blank Password is the default)
3) Double click on "Databases" and expand under asi
4) Right click on defaultServerGroup, and then properties.
5) Change client type to 4GL only, and press OK
6) Right click on "defaultServerGroup" and pres add
7) Add "asisql"
8) Click on SQL only
9) Enter a service port number or name. This will be entered into the services file.
   a. The services file is located under c:\windows\system32\drivers\etc Open with note pad, and scroll down to where the asi databases are. Pick a free port after the last database for asi, nosweat, or asihelp
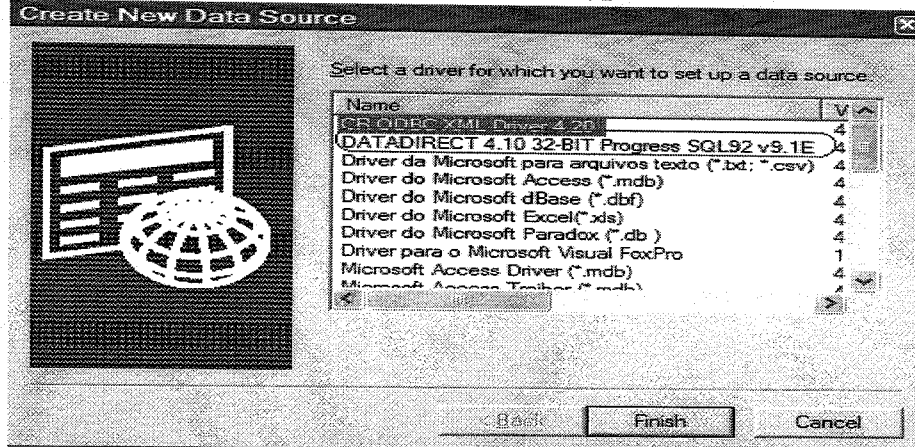10) Press ok when done.
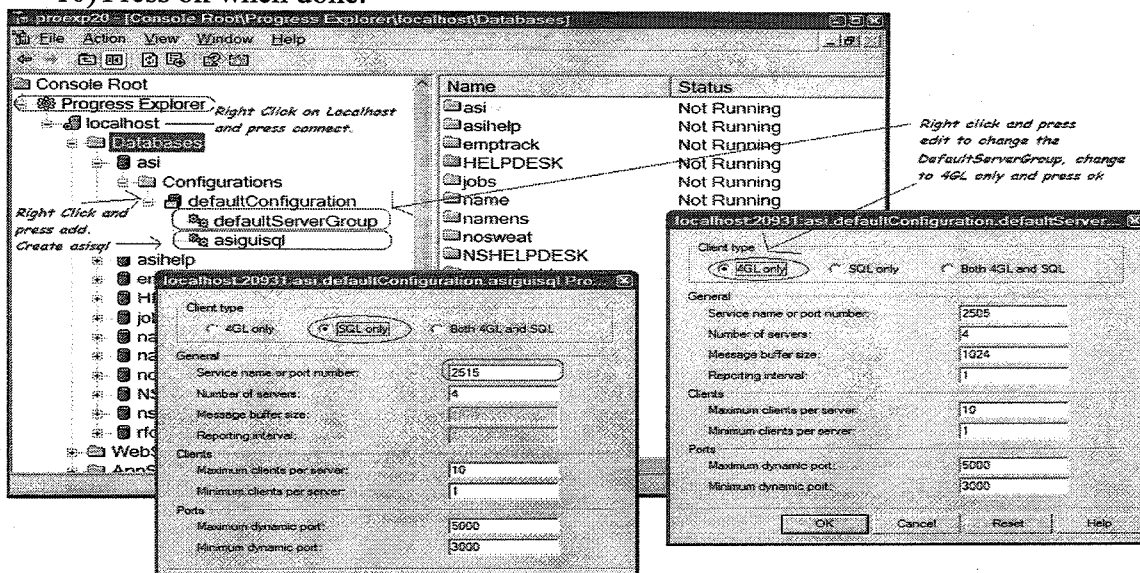
Setting up an ODBC (Location of odbc can very based on windows version)
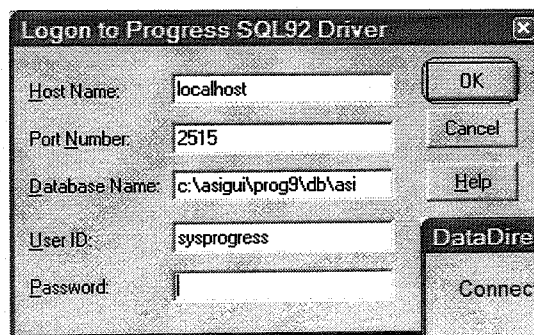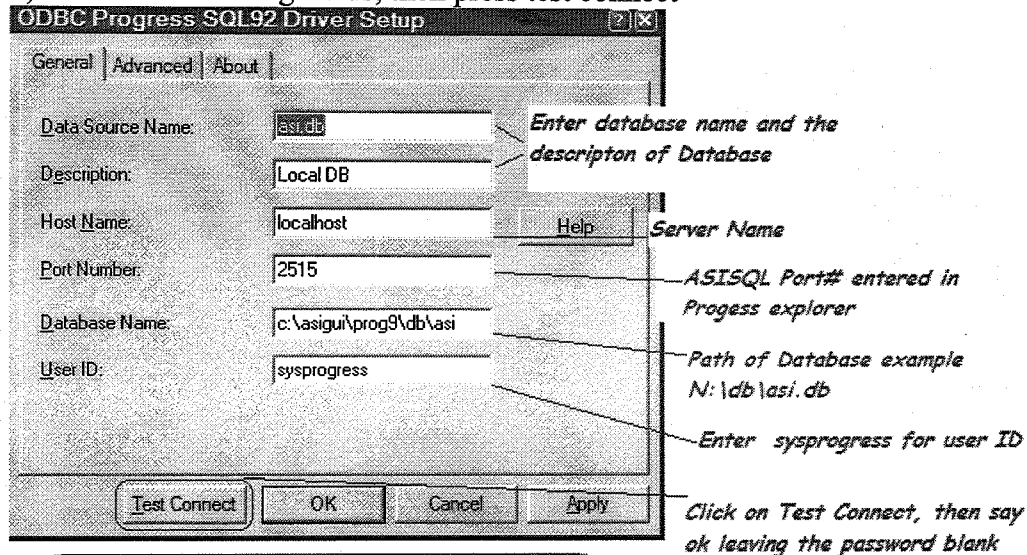1) Go to control panel
2) Click on administrative tools
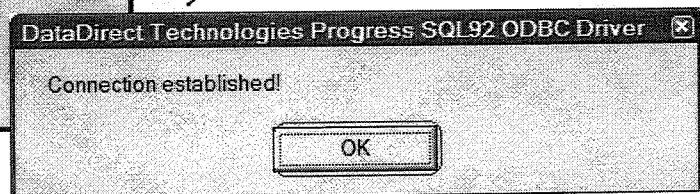3) Click on Data Sources (ODBC)
4) When ODBC window opens, click on "ADD"

5) Find the DataDirect driver then click finish

Create New Data Source

Select a driver for which you want to set up a data source.

Name	V
IBR ODBC XML Driver 4.20	4
DATADIRECT 4.10 32-BIT Progress SQL92 v9.1E	4
Driver da Microsoft para arquivos texto (*.txt; *.csv)	4
Driver do Microsoft Access (*.mdb)	4
Driver do Microsoft dBase (*.dbf)	4
Driver do Microsoft Excel(*.xls)	4
Driver do Microsoft Paradox (*.db)	4
Driver para o Microsoft Visual FoxPro	1
Microsoft Access Driver (*.mdb)	4
Microsoft Access Treiber (*.mdb)	4

[< Back]   [**Finish**]   [Cancel]

6) Enter the following fields, then press test connect

ODBC Progress SQL92 Driver Setup

General | Advanced | About

Data Source Name:	asi.db
Description:	Local DB
Host Name:	localhost
Port Number:	2515
Database Name:	c:\asigui\prog9\db\asi
User ID:	sysprogress

[Help]

[Test Connect]   [OK]   [Cancel]   [Apply]

Enter database name and the descripton of Database

Server Name

ASISQL Port# entered in Progess explorer

Path of Database example N:\db\asi.db

Enter sysprogress for user ID

Click on Test Connect, then say ok leaving the password blank

If correct, you will get the following message.

Logon to Progress SQL92 Driver

Host Name:	localhost
Port Number:	2515
Database Name:	c:\asigui\prog9\db\asi
User ID:	sysprogress
Password:	

[OK]   [Cancel]   [Help]

DataDirect Technologies Progress SQL92 ODBC Driver
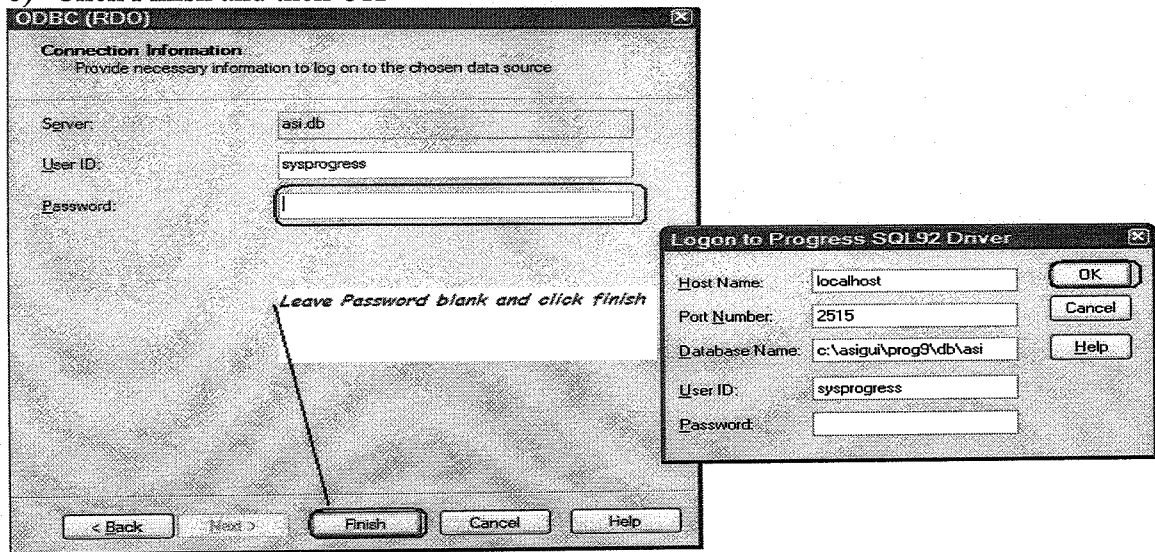
Connection established!

[OK]

<div align="center">Open Crystal Reports</div>
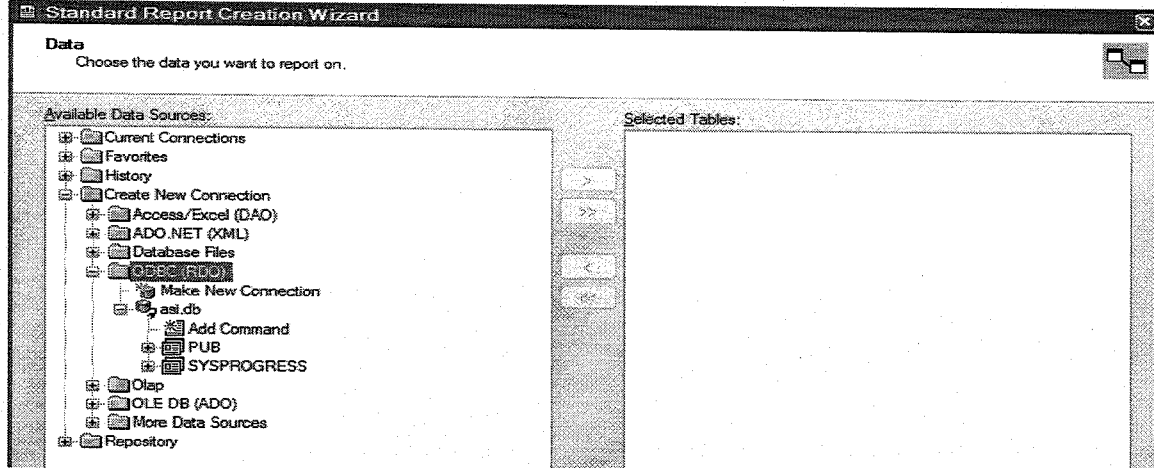
1) Click on File, New, Using Report Wizard
2) Click OK
3) First time you open Crystal click on Create New Connection
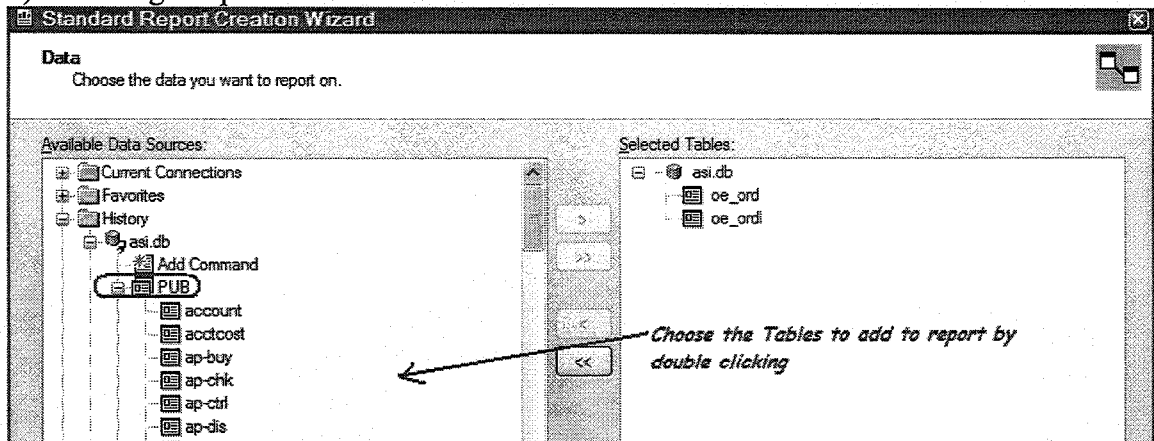4) Click ODBC (RDO)
5) Find ASI.db under Data Source, then click ok
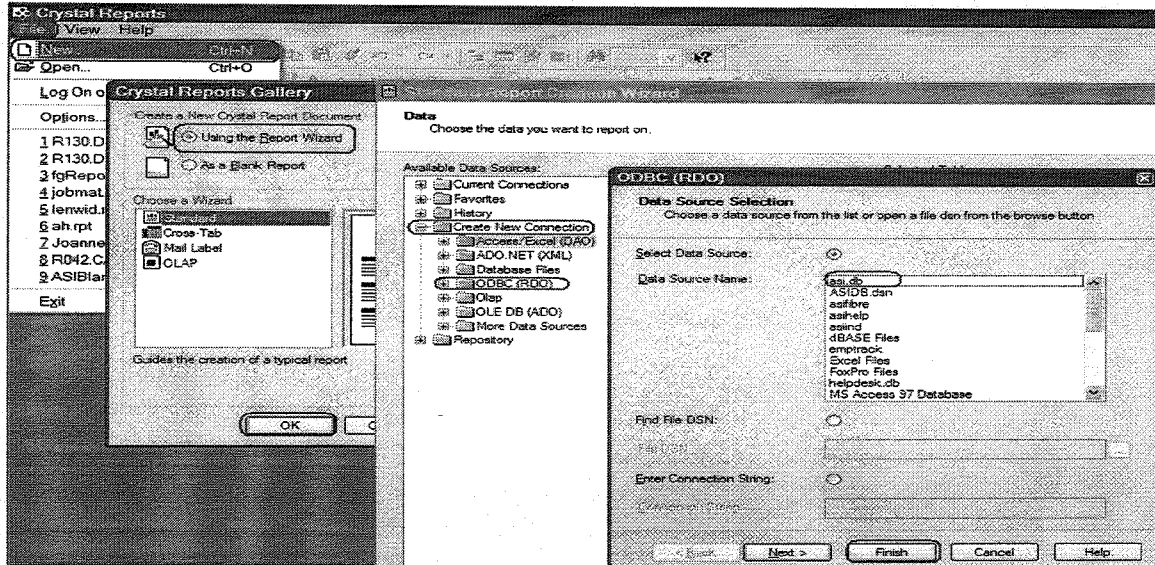
6) Click Finish and then OK
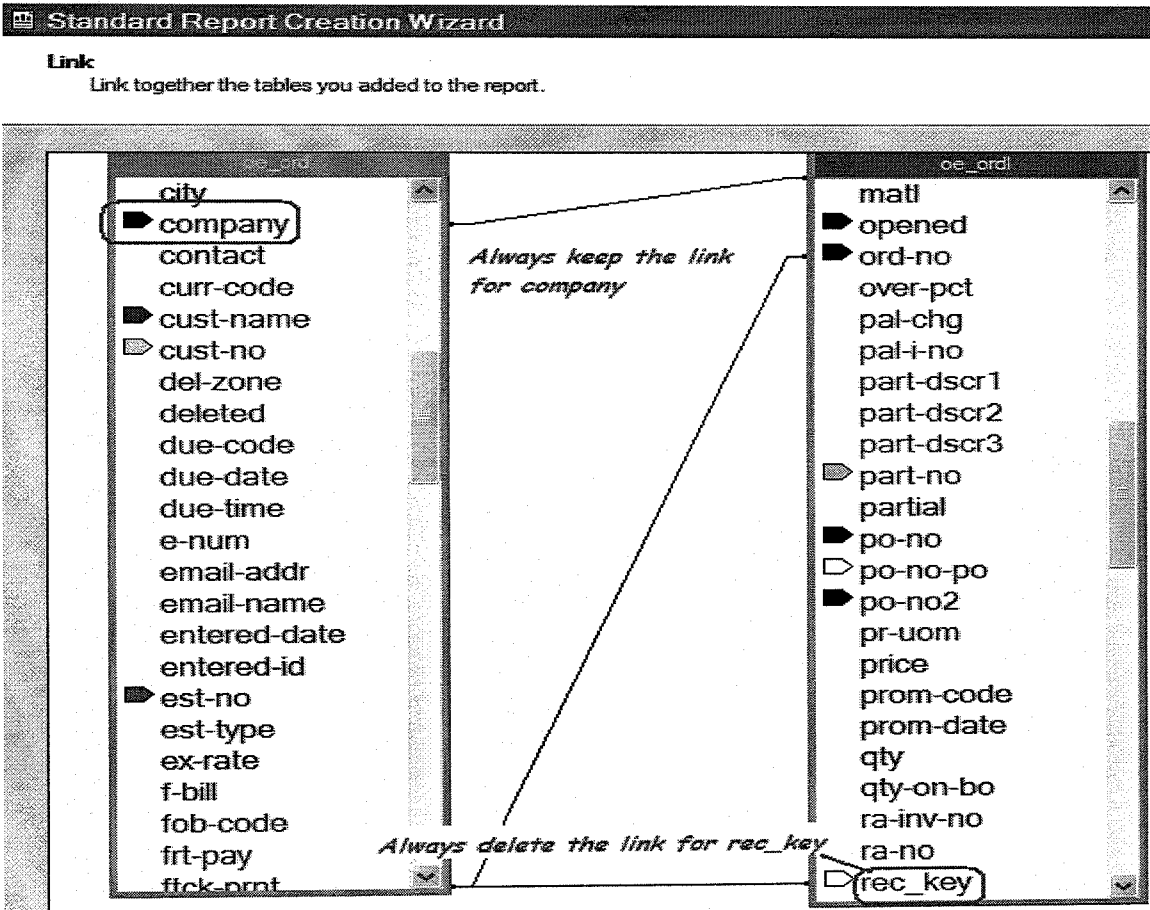
Click on PUB to access tables in the ASI database

1) Creating a report

Choose the Tables to add to report by double clicking

2) Click Next when done

Linking Tables

3) Tables are linked together through common fields within each table.
4) Crystal will automatically create links, but these are not necessarily correct.
5) Below we can link the company in both tables, and the ord-no.
6) Even though Field names can be the same in both tables, some fields cannot be linked. For example, the est-no exist in both tables below, but since the oe_ordl table can have multiple estimates, and the oe_ord can only have one estimate, there would not be a direct link between the two.
7) The field rec_key exist in almost every table but should never be linked.
8) Once the links are done, click next

Standard Report Creation Wizard

Link

Link together the tables you added to the report.

oe_ord	oe_ordl
city	matl
▶ company	▶ opened
contact	▶ ord-no
curr-code	over-pct
▶ cust-name	pal-chg
▷ cust-no	pal-i-no
del-zone	part-dscr1
deleted	part-dscr2
due-code	part-dscr3
due-date	▷ part-no
due-time	partial
e-num	▶ po-no
email-addr	▷ po-no-po
email-name	▶ po-no2
entered-date	pr-uom
entered-id	price
▶ est-no	prom-code
est-type	prom-date
ex-rate	qty
f-bill	qty-on-bo
fob-code	ra-inv-no
frt-pay	ra-no
ftck-prnt	▷ rec_key

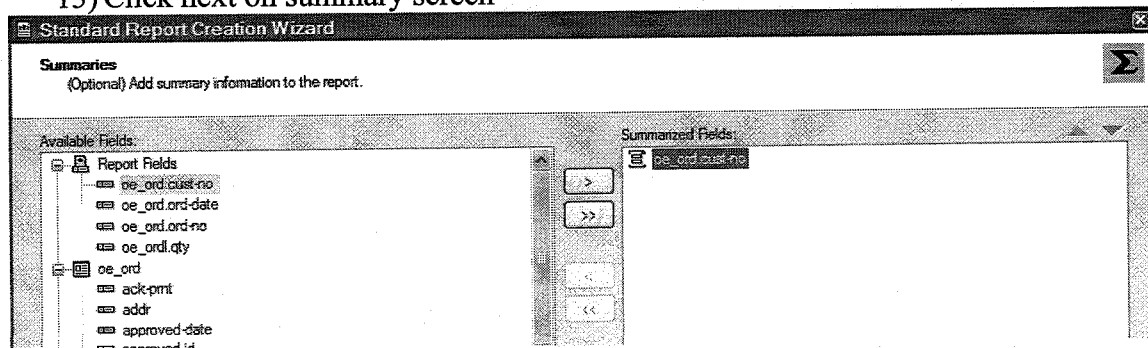*Always keep the link for company*

Always delete the link for rec_key

9) Choose the fields you would like to display on your report by double clicking on the field name on the left. This will then show the fields on the right side.
10) Click Next when done
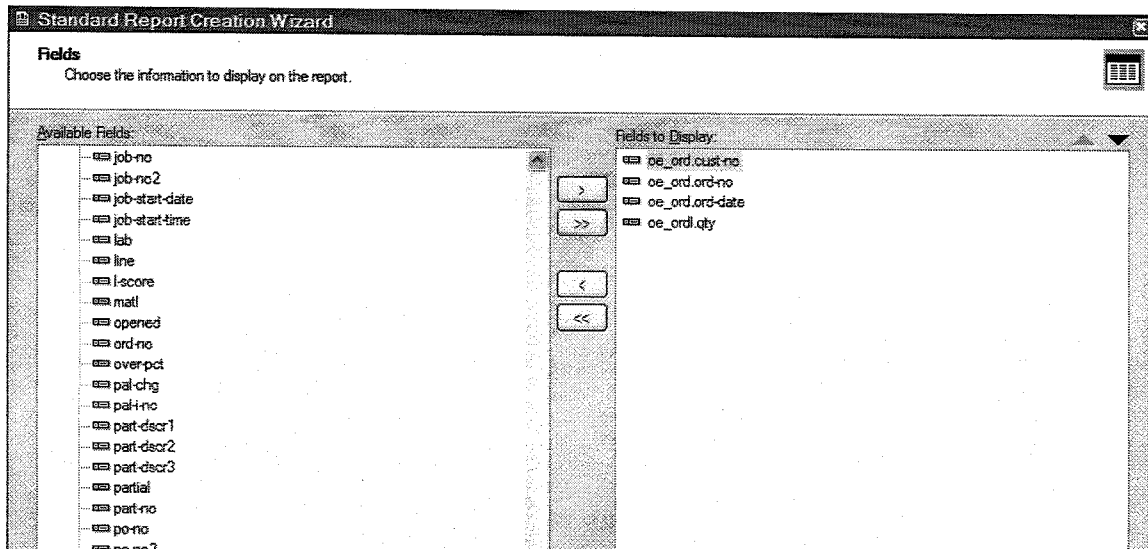
11) You can group your report by fields such as customer.
12) Click next when done
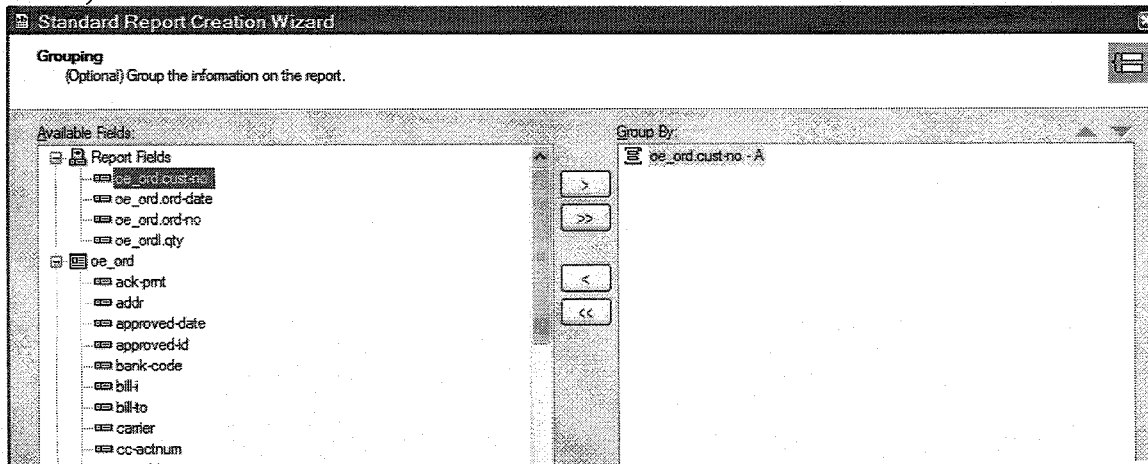
13) Click next on summary screen

14) Filter fields are used to narrow down, or filter the information that is to be displayed on the report.
15) In the example below, we can use the oe_ord.ord-date to show only those orders entered between a certain period, or after a particular date.
16) Click finished when done.
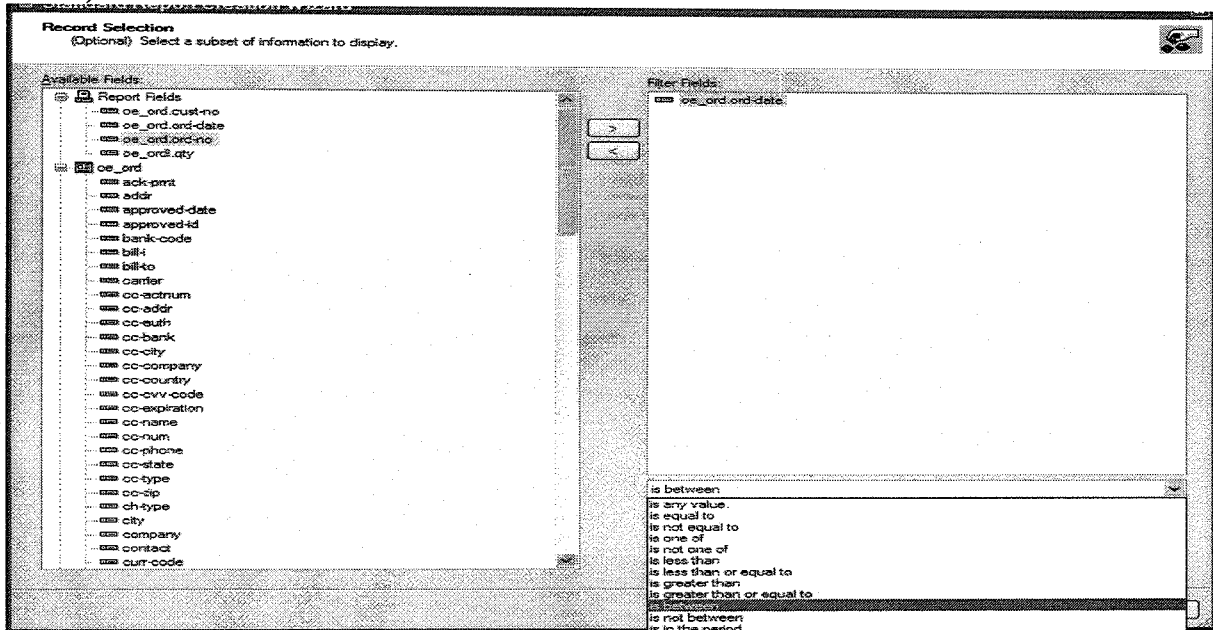
17) The report will be displayed and can be edited and formatted at this point.