

PBS[™] ODBC Catalog for AcuXDBC[™] and AcuXDBC[®] Server

Installation and Configuration Guide

Passport Business Solutions

Version 11.x

September 2008





PBS[™] ODBC Catalog for AcuXDBC and AcuXDBC Server Installation and Configuration Guide for Passport Business Solutions

Passport Software, Inc.
3801 West Lake Avenue, Suite 301
Glenview, IL 60026
(847) 729-7900
<http://www.pass-port.com/>

Copyright Passport Software, Inc. © 2008. All Rights Reserved.

PROPRIETARY RIGHTS NOTICE: No part of this material may be reproduced or transmitted in any form or by any means, electronic, mechanical, or otherwise, including photocopying and recording or in connection with any information storage or retrieval system, without the permission in writing from Passport Software, Inc.

Passport Software, Inc. ("Passport" or "PSI") has taken reasonable preventive measures to ensure the accuracy of the information contained in this manual. However, Passport makes no warranties or representations with respect to the information contained herein; and Passport shall not be held liable for damages resulting from any errors or omissions herein or from the use of the information contained in this manual.

Passport Business Solutions, PBS, PBS Manufacturing Series, and all logos or graphics found on or in this document are trademarks of Passport Software, Inc.

Acucorp, ACUCOBOL-GT, extend 8 and AcuXDBC are trademarks of Acucorp Inc. Windows is a registered trademark of Microsoft Corporation in the United States and other countries. All other tradenames, and logos are trademarks of their respective companies.

ATTENTION: ONLY LICENSEES CURRENTLY ENROLLED IN THE PASSPORT UPDATE PROGRAM (PUP) ARE PERMITTED TO INSTALL AND USE, SUBJECT TO THE TERMS AND CONDITIONS OF THE LICENSE AGREEMENT BELOW, THE ENCLOSED SOFTWARE.

License Agreement

1. License Grant

Passport Software, Inc. (Passport) hereby grants to Licensee and Licensee accepts a non-exclusive license for the enclosed Software with the rights, terms, and conditions as detailed in this License Agreement:

- a. You may install and use the Software on a single computer system or single computer file server for your own internal business purposes provided you (the Licensee) do not exceed the number of concurrent users licensed by Passport to access the Software. If Licensee wishes to increase the number of licensed concurrent users, Licensee must contact Licensee's Passport Partner (your Passport Software supplier) or Passport directly.
- b. You may make backup copies of the Software as required for your own internal business purposes provided that you reproduce all copyright notices and other proprietary notices on each copy made. Backup copies may be used at any time to re-install the enclosed Software in the event of loss, destruction, or other malfunction of the Software.
- c. You may only transfer the Software and this license to a successor to the whole of Licensee's business, provided the successor agrees to accept the terms and conditions of this agreement. If you transfer the Software, you must report to Passport the name of the new user of the Software, and you may not retain any copies of the Software yourself once you have transferred it. No other transfers of the Software are permitted without the prior written consent of Passport Software, Inc.

Licensee shall not export or re-export, directly or indirectly (including via remote access) the Software, Documentation or other information or materials provided by Passport hereunder, to any country for which the United States or any other relevant jurisdiction requires any export license or other governmental approval at the time of export without first obtaining such license or approval from Passport. It shall be Licensee's responsibility to comply with the latest United States export regulations, and Licensee shall defend and indemnify Passport from and against any damages, fines, penalties, assessments, liabilities, costs and expenses (including reasonable attorneys' fees and court costs) arising out of any claim that Software, Documentation, or other information or materials provided by Passport hereunder were exported or otherwise accessed, shipped or transported in violation of applicable laws and regulations. Licensee shall comply with all laws, legislation, rules, regulations, and governmental requirements with respect to the Software, and the performance by Licensee of its obligations hereunder, of any jurisdiction in or from which Licensee directly or indirectly causes the Software to be used or accessed. In the event that this Agreement is required to be registered with any governmental authority, Licensee shall cause such registration to be made and shall bear any expense or tax payable in respect thereof.

This non-exclusive license is effective for the useful life of the Software. However, this license will immediately terminate if you fail to comply with any term or condition of this Agreement. Upon termination you must destroy all copies of the Software.

A new version of the Software replaces the version of the Software previously licensed. Use of a new Software version terminates the license to use that part of the Software replaced by the new Software version and Licensee shall destroy or return to Passport all copies of any prior Software version previously licensed.

EXCEPT AS STATED ABOVE, YOU MAY NOT COPY, TRANSFER, OR DISTRIBUTE THE SOFTWARE TO OTHERS, AND ANY UNAUTHORIZED COPYING, TRANSFER, OR DISTRIBUTION SHALL AUTOMATICALLY TERMINATE YOUR LICENSE.

2. Passport Update Program

Passport makes available its subscription update service (Passport Update Program - PUP) to licensees of the Software. Only licensees having current and up-to-date enrollment in PUP are permitted to install and use any Software updates. Contact your Passport Partner (your Passport Software supplier) or Passport directly to enroll in this program.

3. Passport's Proprietary Rights

The Software is copyrighted by Passport Software, Inc. and some portions of the Software are copyrighted by AcuCorp, Inc., a Micro Focus International PLC company. All rights reserved.

Passport and its third party licensors retain all proprietary and intellectual property rights in the Software and Documentation and in any trademarks affixed to the Software or the Documentation. Licensee shall not take any action inconsistent with such title and ownership. Licensee shall not alter or remove any printed or on-screen copyright, trade secret, proprietary or other legal notices contained on or in copies of any Software or Documentation. **LICENSEE ACKNOWLEDGES AND AGREES THAT THE SOFTWARE MAY CONTAIN CODE OR REQUIRE DEVICES THAT DETECT OR PREVENT UNAUTHORIZED USE OF THE SOFTWARE.** Licensee shall notify Passport immediately in the event of unauthorized possession or use of Software or Documentation.

Licensee is not permitted (a) to decompile, disassemble, reverse compile, reverse translate or otherwise reverse engineer the Software, (b) to use any similar means to discover the source code of the Software or to discover the trade secrets in the Software, or (c) to otherwise circumvent any technological measure that controls access to the Software.

Updates to the Software made available to Licensee through the Passport Update Programs shall be treated for all purposes as Software under this License and all intellectual property rights therein shall be retained by Passport.

4. Limited Warranty and Disclaimers

Passport warrants that the CD-ROM and/or other media on which the Software and User Documentation is recorded are readable by a compatible hardware system. For a period of 90 days (the Warranty Period) after the initial date of this license, if Licensee discovers any defects in the readability of the original CD-ROM and/or other media, Licensee may return it to Licensee's Passport Partner (your Passport Software supplier) or Passport for a free replacement, which is Licensee's sole and exclusive remedy in the event of such defect[s].

EXCEPT AS SPECIFICALLY PROVIDED HEREIN, THE SOFTWARE IS NOT ERROR-FREE AND IS BEING PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND.

PASSPORT SOFTWARE, INC., ITS PROGRAM LANGUAGE SUPPLIERS AND OTHER VENDORS, HEREBY DISCLAIM ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, ORAL OR WRITTEN, WITH RESPECT TO THE SOFTWARE INCLUDING, WITHOUT LIMITATION, ALL IMPLIED WARRANTIES OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, COURSE OF DEALING OR TRADE USAGE.

NO WARRANTY IS MADE REGARDING THE RESULTS OF ANY SOFTWARE OR SERVICES OR THAT ALL ERRORS IN THE SOFTWARE WILL BE CORRECTED, REGARDLESS OF THE FORM OR NATURE OF ANY CLAIM. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF IMPLIED WARRANTIES, AND DO NOT ALLOW A LIMITATION ON HOW LONG ANY IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY. NO PASSPORT EMPLOYEE, SUPPLIER, OR AGENT IS AUTHORIZED TO MAKE ANY MODIFICATIONS OR ADDITIONS TO THIS WARRANTY.

THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE SOFTWARE IS WITH YOU. SHOULD THE SOFTWARE PROVE DEFECTIVE, YOU ASSUME THE ENTIRE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION, AND ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. IN NO EVENT WILL PASSPORT, ITS PROGRAMMING LANGUAGE SUPPLIERS AND OTHER VENDORS, DISTRIBUTORS, OR DEALERS (PASSPORT PARTNERS) BE LIABLE FOR ANY DAMAGES, INCLUDING LOSS OF DATA, LOSS OF PROFITS, OR DIRECT, OR INDIRECT, INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT IN THE SOFTWARE,

EVEN IF THEY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF IMPLIED WARRANTIES OR LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

THE FOREGOING RESTRICTIONS, DISCLAIMERS AND LIMITATIONS SHALL APPLY AND REMAIN IN FORCE EVEN IN THE EVENT OF A BREACH BY PASSPORT HEREUNDER OF A CONDITION OR FUNDAMENTAL TERM HEREUNDER, OR IN THE EVENT OF A BREACH WHICH CONSTITUTES A FUNDAMENTAL BREACH.

5. General Terms and Conditions

Nothing contained in this Agreement shall be deemed to constitute either party as the agent or representative of the other party, or both parties as joint venturers or partners for any purpose. Licensee's supplier of the Software (referred to herein as a "Passport Partner") is an independent contractor in relation to Passport and is not an employee, agent or partner of Passport.

This License Agreement is governed by the laws of the State of Illinois and jurisdiction for any claim or controversy raised by Licensee against Passport Software, Inc. shall only be in the Circuit Court of Cook County, State of Illinois.

If either party commences any action or proceeding against the other party to enforce or interpret this License, the prevailing party in such action or proceeding shall be entitled to recover from the other party the actual costs, expenses and attorneys' fees (including all related costs and expenses), incurred by such prevailing party in connection with such action or proceeding and in connection with obtaining and enforcing any judgment or order thereby obtained.

This License and the rights and obligations hereunder, may not be assigned, in whole or in part by Licensee, except to a successor to the whole of Licensee's business, without the prior written consent of Passport. In the case of any permitted assignment or transfer of or under this License, this License and all of its terms and conditions shall be binding upon, and inure to the benefit of, the successors, executors, heirs, representatives, administrators and assigns of the parties hereto.

This is the complete and exclusive statement of the License between you and Passport, and this License supersedes any prior agreements or understanding, oral or written, with respect to the subject matter of this License.

If you have any questions regarding this License, you may contact Passport at 847-729-7900 or email to psi@pass-port.com.

Table of Contents

1. Introduction	3
Product Description	3
<i>AcuXDBC</i>	3
<i>PBS™ ODBC Catalog for AcuXDBC™ and Multi-Company Configuration</i>	3
AcuXDBC Requirements	3
Supported Modules and Files	4
<i>Financial Files</i>	4
<i>Distribution Files</i>	8
<i>Manufacturing Files</i>	11
2. Concepts and Terms	15
3. AcuXDBC and PBS™ ODBC Catalog Installations	18
Installing AcuXDBC	18
Installing the PBS™ ODBC Catalog for AcuXDBC™ in Windows	20
4. AcuXDBC Product Configuration	22
AcuXDBC Configuration File	22
<i>Installation of the AcuXDBC Configuration File</i>	22
<i>Modifying the Configuration File Paths and Settings – Multi-Company</i>	23
Data Source Name Configuration Example	25
<i>Accessing the ODBC Data Source Administrator</i>	25
<i>Add and Configure the Data Source Name</i>	26
ODBC-Enabled Application Installation and Configuration	28
5. Server/Client Installation and Configuration	29
AcuXDBC Server for Windows	29
<i>Pre-Installation Information</i>	29
<i>Step 1: Install AcuXDBC Server for Windows</i>	29
<i>Step 2: Install the PBS ODBC Catalog</i>	30
<i>Step 3: Install the AcuXDBC Configuration File</i>	31
<i>Step 4: AcuXDBC Configuration file setup</i>	31
<i>Step 5: Starting the AcuXDBC Service</i>	31
<i>Step 6. Install and Configure the AcuXDBC Client for Windows</i>	31
<i>Security Considerations</i>	32
<i>Stopping an AcuXDBC Service</i>	32
AcuXDBC for UNIX/Linux Server Installation and Configuration	33
<i>Pre-Installation Information</i>	33
<i>Install the Acucorp XDBC Server software</i>	33
<i>Set the Following Server Environmental Variables</i>	34
<i>Configure the Acucorp XDBC Server Software</i>	34
<i>Activate the AcuXDBC Server</i>	34
<i>Start AcuXDBC Server</i>	34
<i>Stop AcuXDBC Server</i>	35
Configure the Client DSN for a Connection to the Server	35
<i>Configuration file</i>	37
<i>Database security</i>	37
Test the AcuXDBC Server/Client Installation	38
<i>Where to go from here?</i>	38
Appendix	39
1. Data Security and Limiting Access to PBS Data	39
2. Support	40

3. ODBC Performance	41
4. SQL Support	42

1. Introduction

The *Acucorp extend® 8 AcuXDBC® Data Interface for Windows®* along with the PBS ODBC Catalog for AcuXDBC provides you with direct access to Passport Business Solutions information stored in data files. The *AcuXDBC Data Interface for Windows* presents your Passport Business Solutions accounting information to you for use with ODBC-enabled applications using the Microsoft's Open DataBase Connectivity standard.

Product Description

The single user version of the XDBC product for Passport Business Solutions consists of two components; the Acucorp extend 8 AcuXDBC Data Interface for Windows and the PBS ODBC Catalog files. Chapters 3 and 4 cover this installation and configuration.

NOTE: Each of these products is installed separately.
--

AcuXDBC

Acucorp's *extend 8 AcuXDBC Data Interface for Windows* is the conduit between your Passport Business Solutions data and ODBC-enabled applications such as Microsoft Office applications. AcuXDBC gives ODBC-enabled applications access to your Passport Business Solutions data files. The AcuXDBC driver is used to create the data source that you will use in real-time to access your Passport Business Solutions data.

PBS™ ODBC Catalog for AcuXDBC™ and Multi-Company Configuration

Passport Software, Inc. has created a PBS ODBC Catalog that is used in conjunction with AcuXDBC to provide access to your Passport Business Solutions data. This PBS ODBC Catalog is specific to the format of your Passport Business Solutions data files and it allows AcuXDBC to properly organize the data within these files for ODBC-enabled applications.

The same ODBC Catalog is used for each company in PBS, however a separate configuration is required for each company.

AcuXDBC Requirements

In order to interface your Passport Business Solutions data with a Windows application through AcuXDBC, you must be able to provide the following environment for Acucorp *extend 8 AcuXDBC Data Interface for Windows*.

- Microsoft Windows 98 SE, Windows NT, Windows 2000, Windows XP, Windows Vista for the single user or client installation.

-
- For a server installation the Windows operating system required is either Windows 2000 or Windows 2003. A server installation is only needed if you are installing AcuXDBC Server. A server installation will provide a more robust access to PBS data, especially for multi-file access.
 - The operating systems for Linux should be GLIBC 2.2 or 2.3. For UNIX the operating systems supported are either Version 5.06, 5.07 or 6.0.

Supported Modules and Files

The PBS ODBC Catalog provides access for the Passport Business Solutions files listed below. We have provided access to the most relevant files within Passport Business Solutions. Each Passport Business Solutions file can be identified as a table within an ODBC-enabled application by its filename preceded by an application identifier such as AP for Accounts Payable or GL for General Ledger. For example, the Passport Business Solutions Accounts Receivable Customer File will be listed as a table called "AR_CUSFIL". There are three groups of files: Financial, Distribution and Manufacturing. You may either install a PBS™ ODBC Catalog that contains the *Financial and Distribution files* or a PBS™ ODBC Catalog that contains the *Financial and Manufacturing files*.

Financial Files

The following is a list of the PBS Financial Series modules, table identifiers for the module, and the files you can access via the PBS ODBC Catalog. Additional information about most of these files can be found in the Passport Business Solutions Administration Manual for each module in the appendix titled *Initializing Data Files*.

Accounts Payable (AP)

File name	ODBC Catalog file name
Accounts Payable Account File	AP_APACCT
A/P Check File	AP_APCHKF
A/P Control File	AP_APCTLF
Distribution to G/L File	AP_APDIST
A/P Form File	AP_APFRMF
Open Item File	AP_APOPEN
A/P Transaction File	AP_APTRXF
Change Vendor File	AP_CNGVEN
Vendor Contacts File	AP_PCOFIL
Purchasing Address File	AP_PURADR
Memo Transaction File	AP_TRXMEM
Transaction Distribution File	AP_TRXDIS
Vendor File	AP_VENFIL
Vendor History File	AP_VENHIS
Void Check File	AP_VOIDCK

Account Receivable (AR)

File name	PBS ODBC Catalog file name
Accounts Receivable Account File	AR_ARACCT
A/R Codes File	AR_ARCODS
Distribution to G/L File	AR_ARDIST
Change Customer File	AR_CNGCUS
Open Item File	AR_AROPEN
Commission Due File	AR_COMFIL
Customer Contacts File	AR_CONFIL
Cash Application File	AR_CSHAPL
Customer History File	AR_CSHTRX
Customer History File	AR_CUHFIL
Customer File	AR_CUSFIL
Deliver-to (Ship-to) File	AR_DLVFIL
Goods and Services File	AR_GDSSVC
Invoice History Auxiliary file	AR_IHSAUX
Invoice History Header File	AR_IHSHDR
Invoice History Line File	AR_IHSLIN
Invoice History Serial Transaction File	AR_IHSSER
Cash History File	AR_KSHHST
Returned Check Charge File	AR_NSFCHG
Returned Check Transaction File	AR_NSFTRX
Returned Check Application File	AR_NSFAPL
Returned Check Application Job File	AR_NSFJOB
Invoice Auxiliary File	AR_PIAUXF
Invoice Header File	AR_PIHDRF
Invoice Line Item File	AR_PILINF
Recurring Bill Auxiliary File	AR_RAUXFI
Recurring Bill Header File	AR_RHDRFI
Recurring Bill Line File	AR_RLINF
Miscellaneous Charges Distribution File	AR_SLDTRX
Miscellaneous Charges file	AR_SLSTRX
Sales Rep File	AR_SLMFIL
Prepaid Payments File	AR_PPCTRX
Taxes – Open File	AR_TXOPEN

Check Reconciliation (CR)

File name	ODBC Catalog name
Check Distributions Transaction File	CR_CHKDST
Check Transactions File	CR_CHKTRX
Checking Account File	CR_CKACCT
Checkbook File	CR_CKBOOK
Check Control File	CR_CKCTLF
Distribution to G/L File	CR_CRDIST

General Ledger (GL)

File name	ODBC Catalog file name
Budget File	GL_BUDGET
Chart of Accounts File	GL_CHARTF
Comparative File	GL_CMPRTV
Change Chart File	GL_CNGCOA
Statement Specifications File	GL_FSSPEC
Codes File	GL_GLCODS
G/L Control File	GL_GLCTLF
Distributions Transaction File	GL_GNJTRX
Cost Center Group File	GL_GRPFIL
G/L Comment Layout File	GL_LAYCOL
G/L Layout File	GL_LAYOUT
General Journal Transaction File	GL_MLTRXD
General Journal Header File	GL_MLTRXH
Period File	GL_PRDFIL
General Ledger Transaction File	GL_TRXFIL
Standard Journal Transaction File	GL_STJTRX

Payroll (PR)

File name	ODBC Catalog file name
P/R Check File	PR_CHKFIL
Change Employee File	PR_CNGEMP
Deduction and Earning Codes File	PR_DEDCOD
Employee Direct Deposit Accounts File	PR_EMPDDA
Extended Information File	PR_EMPEXT
Employee Federal Auxiliary File	PR_EMPFAU
Employee File	PR_EMPFIL
Employee State Auxiliary File	PR_EMPSAU
Payroll History File	PR_KHISFL
Manual Distributions File	PR_MANDIS
Adjustments File	PR_MANTRX
Multi-City / Multi-State File	PR_MCSFIL
Distribution to G/L File	PR_PRDIST
P/R Form File	PR_PRFRMF
Quarter to Date History File	PR_QTDHIS
City/State History File	PR_SCDHIS
Tax Codes File	PR_TAXCOD
Time Worked Distributions File	PR_TIMDIS
Time Worked File	PR_TIMTRX
Void Payroll Check Name File	PR_VDMTRX
Void Payroll Check Information File	PR_VDPCHK
Year to Date History File	PR_YTDHIS

PBS Company System Files (RW)

File name

Valid G/L Account File

Bank File

Cash Account File

Return Reason File

ODBC Catalog file name

RW_ACCTFI

RW_BNKACT

RW_CSHACT

RW_RSNFIL

This file is common to all companies.

PBS Common* Files (RW)

File name

Multi-company File

ODBC Catalog file name

RW_MLTCMP

Distribution Files

The following is a list of the PBS Distribution Series modules, table identifiers for the module, and the files you can access via the PBS ODBC Catalog. Additional information about most of these files can be found in the Passport Business Solutions Administration manual for each module in the appendix titled *Initializing Data Files*.

Inventory Control (IC)

File name	ODBC Catalog file name
Alternate Item File	IC_ALTITM
Item Product Category File	IC_CATEGF
Change Item File	IC_CNGITM
I/C Keyword File	IC_CKEYWF
Warranty Coverage File	IC_COVFIL
I/C Codes File	IC_ICCODS
Distribution to G/L File	IC_ICDIST
Item Notes File	IC_ICNOTF
Warranty Codes File	IC_ICREFM
Serial File	IC_ICTRKF
Inventory Account File	IC_INVACT
Inventory Transaction Job File	IC_INVTRX
Item File	IC_ITMFIL
Item Numeric Sequence File	IC_ITMNUF
Inventory History File	IC_ITXHIS
Kit File	IC_KITFIL
LIFO/FIFO Layer File	IC_LAYFIL
Price File	IC_PRCFIL
Serial History File	IC_SERHIS
Status File	IC_STAFIL
Item Status Code File	IC_STATFI
Item Product Sub-category File	IC_SUBCAT
Units of Measure File	IC_UNITFI
Warehouse File	IC_WHSFIL
Work Order Cost File	IC_WKOCST
Work Order File	IC_WKOFIL
Work Order Header File	IC_WKOHDR
Work Order Line File	IC_WKOLIN

Job Cost (JC)

File name	ODBC Catalog file name
Cost Category File	JC_CATFIL
Cost Transaction File	JC_CSTTRX
Additional Job Description File	JC_DESCFI
Job Detail File	JC_DTLFIL
Inactive Job Detail File	JC_DTLFIX
Detail Holding File	JC_HLDFIL
Distribution to G/L File	JC_JCDIST

Job Master File

JC_MSTFIL

Order Entry (OE)

File name

Order Line Item File

Order Header File

Order Transaction File

Recurring Order Header File

Recurring Order Line File

ODBC Catalog file name

OE_LINITM

OE_ORDHDR

OE_OETKXF

OE_OERHDR

OE_OERLIN

Purchase Order (PO)

File name

P/O Auxiliary File

Distribution to G/L File

P/O Header File

P/O Line File

Receivings History File

Vendor/Item File

ODBC Catalog file name

PO_AUXFIL

PO_PODIST

PO_POHDRF

PO_POLINF

PO_RCVHIS

PO_VENITM

Point of Sale (PS)

File name

Alternate Item File

Credit Card File

Contract Pricing File

Customer Restrictions File

Drawer File

Layaway/Line Comments File

Layaway Header File

Layaway Line File

Layaway Payments File

Layaway Tracking File

Override File

Transaction/Line Comments File

Transaction Header File

Transaction Line File

Transaction Payment File

Sales Summary File

Services File

Pay out File

Payment Codes File

Control File

POS Ship-to File

Serial Transaction File

Posted Payments File

Register File

Comments History File

ODBC Catalog name

PS_ALIITM

PS_CCRDFI

PS_CNTRPC

PS_CRDHLD

PS_DRWFIL

PS_LWYCMT

PS_LWYHDR

PS_LWYLIN

PS_LWYPAY

PS_LWYTRK

PS_OVERRID

PS_POSCMT

PS_POSHDR

PS_POSLIN

PS_POSPAY

PS_POSSUM

PS_POSSVC

PS_POTFIL

PS_PSCODS

PS_PSCTLF

PS_PSSHIP

PS_PSTKXF

PS_PSTPAY

PS_REGIFI

PS_SHSCMT

Header History File	PS_SHSHDR
Line History File	PS_SHSLIN
Payment History File	PS_SHSPAY
Serial History File	PS_SHSSER
Special Sale Prices	PS_SPCSAL
Store File	PS_STORFI
User File	PS_USERFI

Manufacturing Files

The following is the ODBC Catalog list for the PBS Manufacturing Series files.

Customer Order Processing

Customer Tracking File	CO_BOSTRK
Customer Control File	CO_COCTLF
Backlog, Orders and Sales	CO_COPBOS
Daily Orders Tracking File	CO_COPORD
EDI Allowances	CO_CPOALW
EDI File	CO_CPODPN
EDI Order Line	CO_CPODTL
EDI Order Header	CO_CPOHDR
EDI Trading Partner	CO_CPONAM
EDI File	CO_CPONTE
Terms	CO_CPOTRM
Default Comments	CO_CSOCOM
Sales Order Header	CO_CSOHDR
Sales Order Line Comments	CO_CSOLCM
Sales Order Line	CO_CSOLIN
Lot/Serial Control File	CO_CSOLSN
Standard Certifications	CO_CTFFIL
Customer Type	CO_CUSTYP
Price Discount	CO_PRCDSC
Sales History	CO_SALHIS
EDI Standard Carrier Codes	CO_SCACOD
Ship-to Addresses	CO_SHIPTO
Sales Accounts	CO_SLSACT
Sales Rep Commission	CO_SLSCOM
Special Prices	CO_SPCPRC

Capacity Planning

Control File	CP_CPCTLF
Detail Plan Detail	CP_DPLDET
Detail Plan Periods	CP_DPLNPD
Detail Plan Summary	CP_DPLSUM
Rough Plan Detail	CP_RPLDET
Rough Plan Periods	CP_RPLNPD
Rough Plan Summary	CP_RPLSUM
Rough Planned Orders	CP_RPOFIL
Resource Structures	CP_RSFIL

Inventory Management

Branch Warehouse Items	IM_BWHITM
General Ledger Control File	IM_GLICTL
Item Warehouse Accounts	IM_IACWHS

Inventory Cost Categories	IM_ICSCAT
Control File	IM_IMCTLF
Inventory History	IM_INVHIS
Item Comments	IM_ITMCOM
Item Master File	IM_ITMFIL
Item Type Code	IM_ITMTYP
Lot/Serial Number History	IM_LSNHIS
Material Usage Variance	IM_MUVHIS
On hand Detail	IM_OHIDET
Physical Count Records	IM_PHYCNT
Purchase Order Line Items	IM_POLITM
Period Quantity Sold History	IM_PQSHIS
Product Category	IM_PRDCAT
Shop Order Comments	IM_SOCOMT
Shop Orders	IM_SOFIL
Shop Order Material Records	IM_SOMATL
Warehouse Code	IM_WHSCOD

Manufacturing Job Costing

Costing Barcode Work File	MJ_EMPBAR
Employee Labor	MJ_EMPLAB
Mfg. Employee File	MJ_EMPSBS
Estimate Details	MJ_ESTDET
Estimate Header	MJ_ESTHDR
Estimate Lines	MJ_ESTLIN
Job Billings	MJ_JOBIL
Job Master	MJ_JOBAST
Labor Batch Import File	MJ_LABIMP
Labor Import Control File	MJ_LBACTL
Labor Exception Code	MJ_LBXCOD
Control File	MJ_MJCTLF
Misc. Cost Codes	MJ_MSCCCD
Alternate Operations	MJ_SOALTO
Shop Order Labor	MJ_SOLAB
Shop Order Misc. Costs	MJ_SOMSC
Shop Order Misc. Costs Detail	MJ_SOPMCD

Master Scheduling & MRP

Branch Warehouse Factors	MS_BWHMRP
Forecast Periods	MS_FCSTPD
Firm Planned Orders	MS_FPOFIL
Planning Group Items	MS_GRPITM
MRP Header	MS_MRPHDR
MRP Orders	MS_MRPORD
MRP Pegging	MS_MRPPEG
MRP Requirements	MS_MRPRQT
MRP Run File	MS_MRPRUN

Control File	MS_MSCTLF
Planning Group	MS_PLNGRP
Schedule Periods	MS_SCHDPD

Product Definition

Engineering References	PD_ENGREF
Labor Grade Rates	PD_LABGRD
Control File	PD_PDCTLF
Product Structures	PD_PSFIL
Routing Instructions	PD_RTGINS
Routing Operations	PD_RTGOPN
Standard Operations Instructions	PD_STDINS
Standard Operations	PD_STDOPN
Work Centers	PD_WRKCTR

Product Purchasing

Blanket PO Line Comments	PP_BOLCOM
Blanket PO Header	PP_BPOHDR
Blanket PO Lines	PP_BPOLIN
Item Sources	PP_ITMSRC
Non Vendor Sources	PP_NONSRC
Planner Buyer Code	PP_PLNBUY
Purchasing Addresses	PP_POADDR
P.O. Change Log	PP_POCNGL
Comments Codes File	PP_POCOMT
Control File	PP_POCTLF
Invoice Distribution File	PP_POIDST
Invoice Transaction File	PP_POITRX
PO Line Comments	PP_POLCOM
PO Header	PP_PPHDRF
Purchase Price Variance Detail	PP_PPVDET
Purchase Price Summary	PP_PPVSUM
Reject Reason Code	PP_PRRCOD
Receiving History	PP_RCVHIS
Rejected Material	PP_RJTMTL
Vendor Performance	PP_VENPFM
Shipments In Transit	PP_VENSIT
Vendor Warehouse	PP_VENWHS

Shop Floor Control

Item Operation History	SF_IOPHIS
Operation Schedule	SF_OPNSCD
Schedule Run File	SF_SCDRUN
Control File	SF_SFCTLF
Operation/Material Assignment	SF_SOPMTL
Time Phased Capacities	SF_TIMCAP
Work Center Flow	SF_WCTFLO

2. Concepts and Terms

The following terms are found in this guide and are described as they are used in this guide. For general accounting definitions consult the glossary in your Passport Business Solutions System Manager User Manual. Other definitions can be found in Chapter 1 of each Passport Business Solutions module user manual.

AcuXDBC

AcuXDBC is a data management system designed to incorporate Acucorp Vision files into a relational database-like environment. AcuXDBC enables you to apply SQL and relational database concepts to your COBOL data files, resulting in data that can be accessed and managed in much the same way as many of today's popular relational database management systems.

Column

This term is used when referring to relational databases. A column can be considered the same as a field as defined below.

Data File

A Passport Business Solutions data file contains one or more related records. For example, a group of employee records might comprise an employee file.

Data Source Name (DSN)

A data source name is the name you assign to a group of AcuCOBOL Vision or Relative files being accessed via XDBC.

Database

A database, loosely speaking, refers to all available data, whether contained in one file or many files.

In Passport Business Solutions, the database consists of multiple files related to a specific module. As the standard, these files are stored in a folder by module. For example, Accounts Receivable files are stored in a folder named AR00. Accounts Payable files are stored in a folder named AP00, where 00 represents company number.

In relational database terminology, a database consists of one or more files that contain one or more tables.

Field

A data field consists of one or more characters that represent a single piece of information. For example *first name*, *last name*, and *amount* are three data fields. The content, or value, of the field *first name* might be "John" or "Debbie" or any other *first name* consistent with the rules governing the content of the *first name* field. The content, or value, of the field *amount* might be "129" or "5.98" or any other "amount" consistent with the rules governing the contents of the field *amount*.

Fields may carry any name, but the content type specifies the rules governing the content of a field. Passport Business Solutions fields available to an ODBC-enabled application are classified as type **alphanumeric**, **integer**, **decimal**, or **date** fields.

Alphanumeric fields may contain letters of the alphabet, numbers, special symbols (\$, *, :, #), or any combination of these three kinds of characters. Some alphanumeric fields can only have uppercase characters and some can have both upper and lower case.

Integer fields may contain only whole numbers. They may not contain letters, special symbols, or fractional numbers.

Decimal fields may contain whole numbers and fractional numbers expressed in decimal notation.

Date fields contain only dates.

Open DataBase Connectivity (ODBC)

This is a data access standard developed by Microsoft. This standard allows data to be exchanged between database systems that use incompatible data access methods. This is the standard used by Acucorp to make Passport Business Solutions data available to ODBC-enabled applications such as Excel®, Access® or Crystal Reports®.

Read_Only

This indicates that you may only create reports, lookups and view PBS data. The AcuXDBC configuration defines this option.

Read_Write

This indicates that you can alter PBS data through ODBC from an external application such as Microsoft Access. The AcuXDBC configuration file defines this option. Take care in using the Read_Write option. There is a potential of making the data in PBS unusable when writing wrong types of data to certain fields.

Record

Records are comprised of one or more related fields. For example, an employee record might contain a *first name*, *last name*, *social security number* and *marital status* fields.

Row

This term is used when referring to relational databases. A row can be considered the same as a record as defined above.

PBS ODBC Catalog

This is where the definitions to the PBS data files are stored. When you access PBS files via the ODBC standard, it looks at the PBS ODBC Catalog to determine which PBS files and fields that can be accessed.

System Catalog

This is Acucorp's general term noted in their documentation for what this documentation calls the **PBS ODBC Catalog**.

Table

This term is used when referring to relational databases. A table can be considered the same as a *Data file* as defined above.

XFD

This is an abbreviation for external **file** definition and it is an extension for a file type used with AcuODBC; a product previously supported by PSI for ODBC access, which has many similarities with XDBC. The XFD file is the major component of AcuODBC. However for XDBC an xfd file is only an intermediate step for creating a PBS ODBC Catalog. The PBS ODBC Catalog is the major PBS component with AcuXDBC. In most cases you will not have to be concerned with XFD files when using AcuXDBC. If you need to modify an XFD and create a custom PBS ODBC Catalog, please contact PSI development for instructions.

Each XFD file contains a definition for one PBS file. An example is ap_venfil00. The 'ap' represents Accounts Payable. The 'venfil' represents Vendor file. The '00' means it is for company '00'.

3. AcuXDBC and PBS™ ODBC Catalog Installations

Installing AcuXDBC

The following installation instructions apply to AcuXDBC Version 8.x Windows single user or client. A client install means the PBS data is accessed over a network through AcuXDBC Server.

Acucorp's *extend 8 AcuXDBC* product is the driver program for AcuXDBC access to Passport Business Solutions Acucorp Vision data files. AcuXDBC acts as a gateway to your Passport Business Solutions data using Microsoft's Open Database Connectivity (ODBC) standard.

You will need the Product Code and Product Key in order to complete the installation of the AcuXDBC. This should be on a piece of paper titled **Important Licensing Information** included with the AcuXDBC shipment.

If you are also installing the AcuXDBC Server for Windows follow the installation instructions in the [Server/Client Installation and Configuration](#) section of this document.

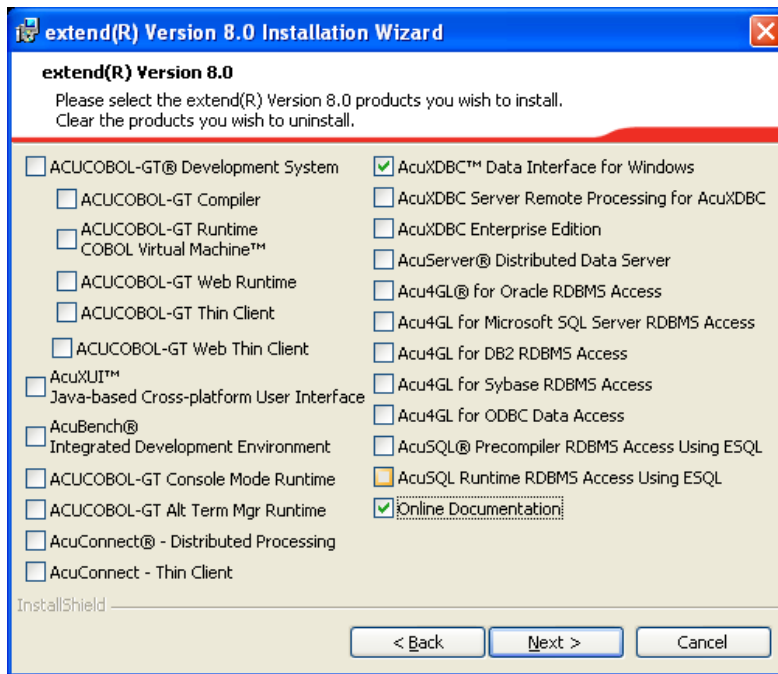
For AcuXDBC Server for Linux or UNIX you will need a third disk, which is labeled [Version 8 Statically Linked Libraries for UNIX platforms](#). The installation instructions are in the [UNIX/Linux AcuXDBC Server Installation](#) section of this document.

If you have AcuXDBC Server you may install either the client or server first. However you may not know what to enter for the client configuration until the server is fully installed.

0. Insert the disk labeled *extend 8 - Version 8 for 32-bit Microsoft Windows* into your computer's disk drive.
1. The setup dialog box will display. Click on Install extend8 products.

Windows Vista Users Note: If installing on Windows Vista, begin the installation by right clicking on "setup.exe" from the disk, and selecting the "run as administrator" option.
2. The *installation wizard* will start. Click on **Next**.
3. *License Agreement* screen will display. Click **Next** after reading the important license information.
4. Enter *User Name & Organization* (specify whether installation is for this user only).

5. The *Choose Destination Location* screen will display. Important: **Accept the default directory** and click **Next**. (The default location is *C:/Program Files/Acucorp*.)
6. The following *Select Products* screen will display. (There are 2 columns of selections and it is the first option on the right side). Click on the box next to **AcuXDBC™ Data Interface for Windows**. *Online Documentation* installation is only recommended for administrators and those wanting to utilize some of the advanced options such as XML Commands and password access. Then click on **Next**.



7. The *Installation Settings* window will display. Do not change the options selected by default and click on **Next** to continue. The setup will copy the AcuXDBC components into the directory location.
8. Click *Install* to begin the installation. You may click back to change any of your installation settings.
9. The *Activator Wizard 8.0.0* will display. Enter the **Product Code** and then enter the **Product Key** without spaces. Double check the code and key to verify that it is entered properly and click on **Finish**.

Windows Vista Users Note: The "License Activator" will display under the "install progress window". Minimize "install progress window" and enter license information.

10. A *Complete* screen will display. Click on **Finish**.
11. To verify that the AcuXDBC is installed, on your computer workstation, select **Start > Control panel**.

On Windows 2000, Windows XP Pro and Windows Vista select *Administrative Tools > Data sources (ODBC)*. Select the *Drivers* tab. The AcuXDBC Driver Version 8.00.00.xxx should be installed.

On Windows 98 SE, look for the *ODBC Data Sources* under *Control Panel* and then select the *Drivers* tab to view the driver version 8.00.00.xxxx.

If you installed AcuXDBC as an administrator and any other user needs to have access, then you must log on as that user and make this Environmental Variable entry:

Variable name: GENESIS_HOME

Variable value: C:\Program Files\Acucorp\Acucbl800\AcuGT

Installing the PBS™ ODBC Catalog for AcuXDBC™ in Windows

Working with the AcuXDBC driver, the PBS ODBC Catalog provides access to PBS data files. It is also required for the AcuXDBC Server installation on a Windows Server.

There are two Windows installations provided on the disk. One is for only the PBS financial and distribution file access. The other is for the manufacturing and financial files.

The installation of the PBS ODBC Catalog for UNIX and Linux is covered in the [AcuXDBC for UNIX/Linux Server Installation and Configuration](#) section later in this document.

The ODBC Catalog must be installed in the "XDBC" directory (folder) under your PBS top-level directory (folder).

Do the following steps for the installation:

- 1) You must be on the computer or have drive letter access to where PBS is installed.
- 2) Insert your PBS ODBC Catalog disk into the disk drive. It will auto-start. If it does not auto-start, then using Windows Explore navigate to the disk drive and click on **default.htm**.
- 3) To start the installation for the Financial and Distribution catalog select:

PBS ODBC Catalog For Financial and Distribution Modules

To start the installation for the Financial and Manufacturing catalog select:

PBS ODBC Catalog For Financial and Manufacturing Modules

Or, using Windows Explorer, browse to the disk and double click on the **pbs_ODBC_Cat.exe** for the Financial and Distribution installation. For the financial and manufacturing install double click on **mfg_ODBC_Cat.exe**.

-
- 4) You will be prompted for a path. The path is defaulted to C:\Program files\PSI\PBS. The standard location for PBS ODBC Catalog is in the top-level Passport Business Solutions directory.

If the PBS™ ODBC Catalog files have been installed correctly, you will find it under the folder "/XDBC/SYSCAT" under your Passport Business Solutions top-level folder. For example, if your Passport Business Solutions software is installed on the C: drive in a folder named "PBS", your PBS™ ODBC Catalog files must be installed in C:/PBS/XDBC/SYSCAT.

4. AcuXDBC Product Configuration

After you have installed *extend 8 AcuXDBC Data Interface for Windows* and the PBS™ ODBC Catalog you must configure the system. There are two parts to the configuration.

1. AcuXDBC Configuration File Path Entries

Enter the paths in the PBS AcuXDBC Configuration file as needed to access the PBS Company 00 data files. A separate Configuration file is required for each PBS company and path entries to each module will be needed as well.

2. Data Source Name Configuration

Configure a Data Source Name (DSN) that will connect your PBS ODBC Catalog files with your actual Passport Business Solutions data files. This is done using the Windows ODBC Data Source Administrator.

You must install the PBS ODBC Catalog for AcuXDBC before you do these steps.

The following sections contain data and examples of the Data Source Name Configuration and the AcuXDBC Configuration File Path entries.

AcuXDBC Configuration File

There is a text file called **PBSxdbc00.cfg** that requires a separate installation. This file may require some editing in order for AcuXDBC to function properly.

Installation of the AcuXDBC Configuration File

There are two separate configuration file installations. One is for the financial/distribution modules and the other for the financial/manufacturing modules. Both are on the PBS ODBC Catalog disk.

Do the following steps for the installation:

- 1) You must be on the computer or have drive letter access to where PBS is installed.
- 2) Insert your PBS ODBC Catalog disk into the disk drive. It will auto-start. If it does not auto-start, then using Windows Explore navigate to the disk drive and click on **default.htm**.
- 3) To start the installation for the Financial and Distribution AcuXDBC Configuration file select:

.

AcuXDBC Financial/Distribution Default Configuration file for PBS

Or, to start the installation for the Financial and Manufacturing AcuXDBC Configuration file select:

AcuXDBC Financial/Manufacturing Default Configuration file for PBS

Or, using Windows Explorer, browse to the disk and double click on the **pbs_XDBCcfg.exe** for the Financial and Distribution installation. For the financial and manufacturing install double click on **mfg_XDBCcfg.exe**.

Configuration File Location Note: During the installation there is an option to change the directory. Use the default directory of **C:\Program Files\Acucorp\Acucbl800\AcuGT**. However, if the AcuXDBC was not installed in the standard location, then you must find the **Acucbl800\AcuGT** directories on your system and install the configuration file there.

Modifying the Configuration File Paths and Settings – Multi-Company

After the install this file is located here:

C:\Program Files\Acucorp\Acucbl800\AcuGT\PBSxdbc00.cfg

Use Notepad or your favorite text editor to open it. Do not use WordPad as this may rename the extension when you save the changes making the file unusable.

There are several steps of change regarding this file.

- "PBS ODBC CATALOG PATH " - Defining the path to the PBS ODBC Catalog
- "ALTERING PATHS TO FIND PBS FILES" – Defining paths to PBS data
- "MULTI-COMPANY SETUP" – What to do in order to access a company other than 00

These steps are covered in detail below.

"PBS XDBC PATH" - Defining the path to the PBS ODBC Catalog

This is where the PBS ODBC Catalog is installed. The location can vary depending on where your PBS system is installed. This is the default location:

```
dictsource "C:\Program Files\PSI\PBS\XDBC\SYSCAT"
```

Therefore, if your PBS system is located under C:\Program Files\PSI\PBS, then you do not have to make any changes to the path entries.

If PBS is located under C:/PBS then the path to the PBS ODBC Catalog must be changed to:

```
dictsource "C:\ PBS\XDBC\SYSCAT"
```

If PBS is located on a server and it is mapped to the P drive, then the path to the PBS ODBC Catalog should be something like:

dictsource "P:\PBS\XDBC\SYSCAT"

Altering Paths to Find PBS Files

A path to each module's data files is required. In this section there is one line that has a series of paths that indicates the location of the PBS module data files. Each path is by module by company.

If you are only using Company 00 and PBS is installed in Program Files/PSI/PBS then you do not have to make any changes in this section. Use the forward slash for these paths.

A semi-colon comes before each path. The first path of (C:/Program Files/PBS/XDBC/DATA;) is the location of specific AcuXDBC files. The remaining paths are for the PBS data files. As needed, change the path to the XDBC/DATA and the PBS data files. The configuration file line starts with the following:
file_prefix ";C:/Program Files/PSI/PBS/XDBC/DATA/;C:/Program Files/PSI/PBS/AP00"

If PBS is located under a networked mapped drive of "P:/Passport" then the path to the Accounts Payable Company 00 files is ";P:/Passport/AP00"

When using a text editor, it may be easiest to select the line and use a search and replace tool. For example, you may search for "C:/Program Files/PSI/PBS" and replace it with "P:/Passport".

Multi-Company Setup

When accessing a second or more companies, make a copy of the **PBSxdbc00.cfg** text file and rename it to the company you are accessing. If you are gaining access to Company PS, then rename it to **PBSxdbcPS.cfg**.

You must alter the paths to the PBS data files. See the section above "Altering Paths to PBS Data Files".

You must also change the company number. Look for the following line:

```
filename_wildcard $$=00
```

The company number is represented by the last two characters. If you are accessing company "PS" in PBS, then the line must be changed to:

```
filename_wildcard $$=PS
```

Advanced Options Setup

Unless you are an advanced user, we recommend that you do not make any changes to Advanced and other options in the configuration file.

If you are writing data from an external application back to PBS, please read this.

Changing “Read-Only” to “Read-Write”

Warning: Please be aware that setting the XDBC option to Read-Write will allow the user to change data within the Passport Business Solutions files from some external applications. PBS data integrity can become corrupted if an incorrect value is entered in a PBS file. We highly recommend that you fully understand the implications of Read_Write before you allow the use of this setting.

The default is “read_only yes”. If you want to write back to PBS files change the setting to “read_only no”.

See Acucorp’s *AcuXDBC™ User’s Guide* for information on the additional options.

Data Source Name Configuration Example

Access of the configuration file is determined in the DSN. **This must be changed from the default file name as provided following the install.**

Accessing the ODBC Data Source Administrator

The following example sets up AcuXDBC access to Passport Business Solutions data installed in C:\Program Files\PSI\PBS.

To setup your AcuXDBC DSN:

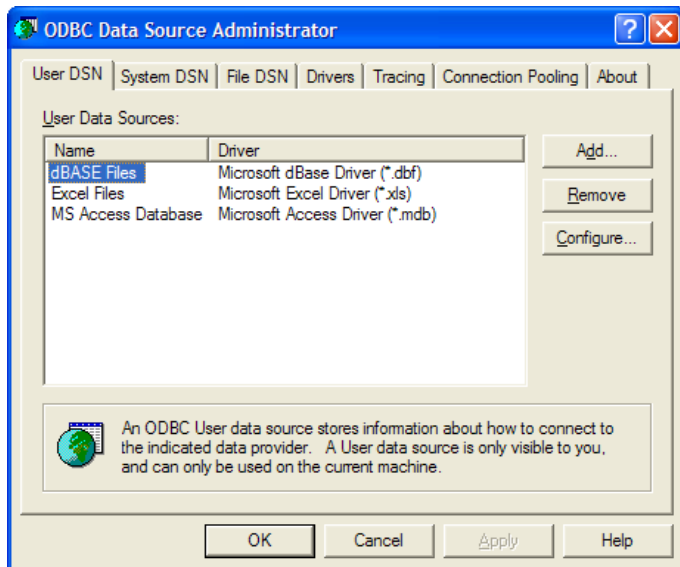
In Windows 2000, Windows XP or Windows Vista

Select:

Start > All Programs > Acucorp 8.0.0 > AcuXDBC > ODBC Data Source Administrator.

Or in Windows 98 Select:

Start > Settings > Control Panel > ODBC Data Sources



This opens your *ODBC Data Source Administrator* window. You use this application to configure your Passport Business Solutions AcuXDBC access. You may elect to create a User DSN or System DSN as it relates to the first two tabs in the above screen.

User DSN

Configuring a DSN under this tab creates a data source that is local to the computer and can only be used by the current user.

System DSN

Configuring a DSN under this tab creates a data source that is local to the computer. It is not user specific and any user having the correct privileges may access the data source.

File DSN

The User and System DSNs produced via the AcuXDBC drivers do not display in the File DSN list.

Drivers

This will help you determine which drivers are installed on your workstation. Following the installation of AcuXDBC you will see the *Acucorp AcuXDBC driver* as one of the available drivers. If you do not see the driver listed here, then it has not been installed or has not been installed properly.

Add and Configure the Data Source Name

Once you have determined if this is a User or System DSN, select the appropriate tab and add this data source to the list.

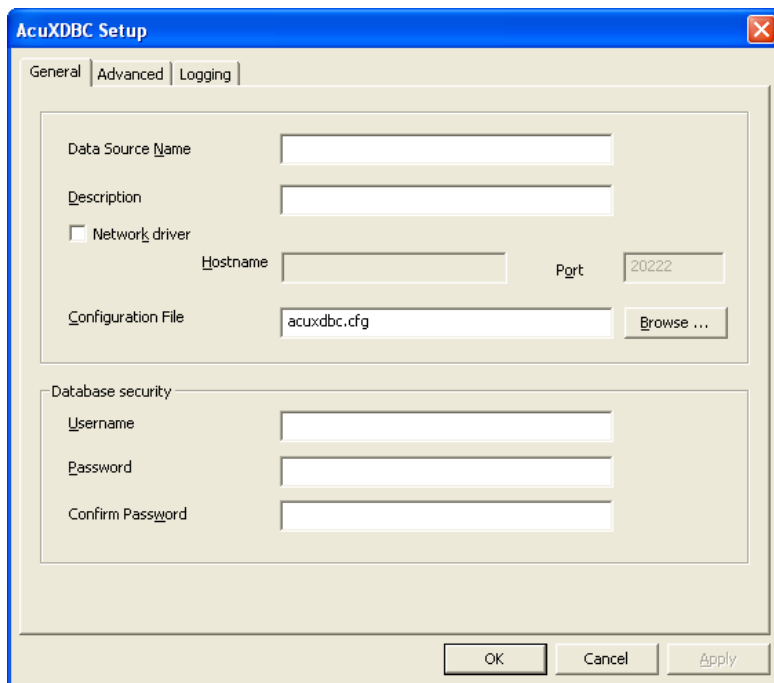
Left Click on Add

You will be prompted to select a driver that you want to use for a data source. Select the “Acucorp AcuXDBC” driver. This is the driver that will be used to access Passport Business Solutions data.

Left Click on AcuXDBC

Click on Finish

The following *AcuXDBC Setup* window will display:



Data Source Name

In the Data Source Name field type in the name you want to give to this data source. This name may be anything you want, but should be representative of the data you intend to access. If you are using only one company in PBS, you could type 'PBS' in this field.

Description

The description is your choice and only displays in this window.

Configuration File

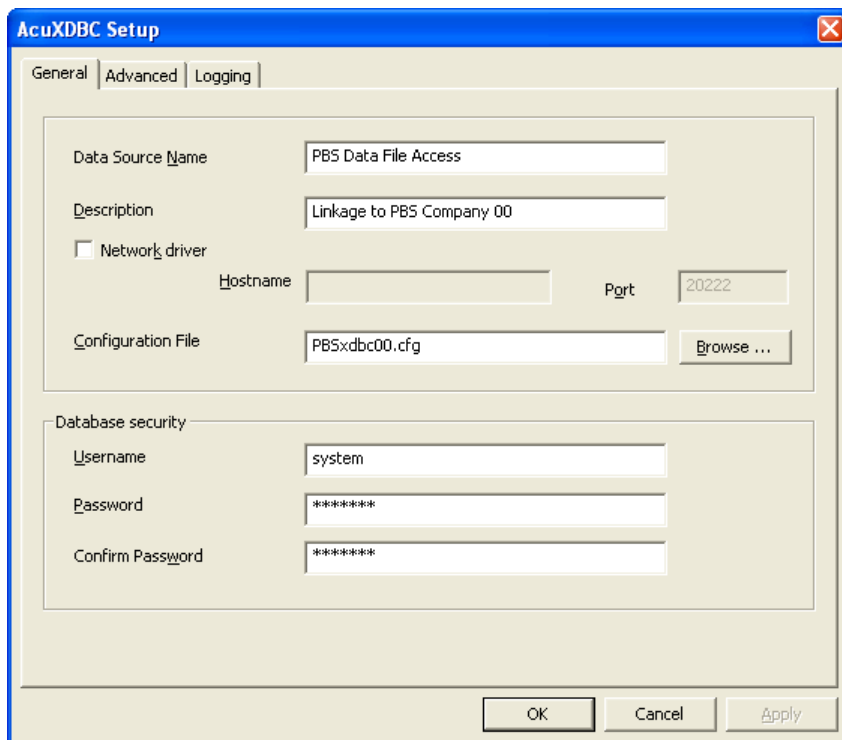
Click the "Browse" button to load the "pbsxdbc00.cfg" configuration file located in the default Acucorp installation directory, which is: C:\Program Files\Acucorp\Acucbl800\AcuGT.

Note: Unless you are accessing only company 00 and you are using the default installation path for PBS you will have to modify this file. The paths will have to be modified to find the PBS XDBC system catalog location and PBS Data file locations. It will also have to be copied and renamed for each PBS company you are accessing other than 00. See [AcuXDBC Configuration File](#) for more information.

Database security

Enter "system" for user name and "manager" for the default password in the "Database security" section. Enter "manager" to confirm the password.

See your Administrator for login information.

The image shows the 'AcuXDBC Setup' dialog box with three tabs: 'General', 'Advanced', and 'Logging'. The 'General' tab is selected. It contains the following fields: 'Data Source Name' with the value 'PBS Data File Access', 'Description' with the value 'Linkage to PBS Company 00', an unchecked 'Network driver' checkbox, an empty 'Hostname' field, a 'Port' field with the value '20222', a 'Configuration File' field with the value 'PBSxdbc00.cfg', and a 'Browse ...' button. Below these fields is a 'Database security' section with 'Username' set to 'system', and both 'Password' and 'Confirm Password' fields filled with '*****'. At the bottom are 'OK', 'Cancel', and 'Apply' buttons.

AcuXDBC Setup

General | Advanced | Logging

Data Source Name: PBS Data File Access

Description: Linkage to PBS Company 00

☐ Network driver

Hostname: Port: 20222

Configuration File: PBSxdbc00.cfg Browse ...

Database security

Username: system

Password: *****

Confirm Password: *****

OK Cancel Apply

This completes the setup of your AcuXDBC DNS. You will now be able to gain access to your Passport Business Solutions data using ODBC-enabled applications.

ODBC-Enabled Application Installation and Configuration

ODBC-enabled applications use various setup routines and configuration parameters. Setting up your ODBC-enabled applications is beyond the scope of this document. Refer to the user manual or on-line help for information about how your specific ODBC-enabled application makes use of the Windows ODBC standard to access external data.

Tip: In order to use Excel with ODBC, you must also install Microsoft Query. For some versions of Office, Query is not installed automatically. You must select the custom installation to install it.

5. Server/Client Installation and Configuration

AcuXDBC Server for Windows

Pre-Installation Information

Before beginning, you must have the following:

- The disk labeled PBS™ ODBC Catalog for AcuXDBC™. If you do not have this disk contact PSI support.
- The disk labeled Acucorp *extend* Version 8 for 32-bit Microsoft Windows for the installation of the AcuXDBC Client and AcuXDBC Server.
- You will need the Product Code and Product Key in order to complete the installation of the AcuXDBC Server. This should be on a piece of paper titled **Important Licensing Information** included with the AcuXDBC shipment. You may also have received this information via an email from Passport.

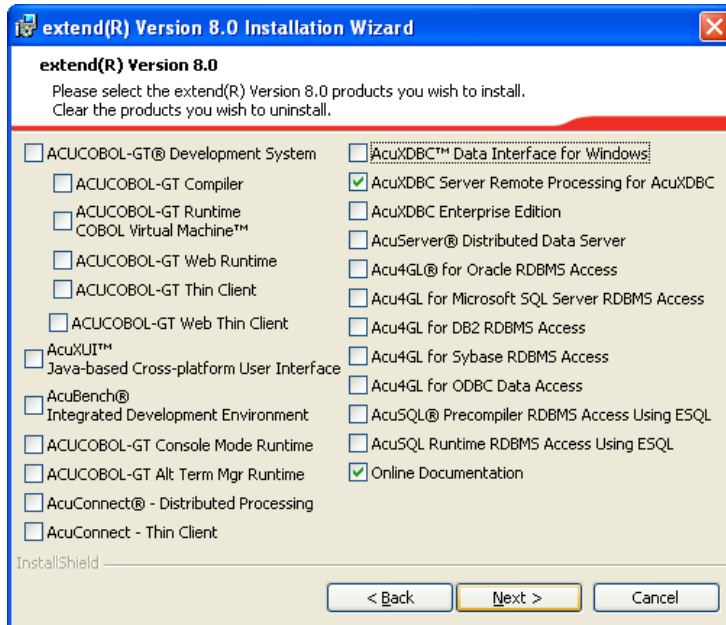
Step 1: Install AcuXDBC Server for Windows

Use the following steps to install the AcuXDBC Server Software on your server.

You may install either the server or the client first, however you may not know what to enter for the client configuration until the server is fully installed. (Refer to [AcuXDBC and PBS ODBC Catalog Installations](#) for client install information.)

1. Insert the disk labeled *extend 8* - Version 8 for 32-bit Microsoft Windows into your computer's disk drive.
2. The setup dialog box will display. Click on Install *extend8* products.
3. The *installation wizard* will start. Click **Next**.
4. *License Agreement* screen will display. Click **Next** after you complete the reading of the license information.
5. Enter *User Name & Organization*.
6. The *Choose Destination Location* screen will display. Accept the default directory location and click **Next**.

- The following *Select Products* screen will display. (There are 2 columns of selections and it is the second option on the right side). Click on the box next to **AcuXDBC Server Remote Processing for AcuXDBC**. *Online Documentation* installation is only recommended for administrators and those wanting to utilize some of the advanced options such as SQL commands. Then click on **Next**.



- The *Installation Settings* window will display. Do not change the options selected by default and click on **Next** to continue. The setup will copy the AcuXDBC Server components into the directory location.
- Click **Install** to begin the installation. You may click back to change any of your installation settings.
- The *Activator Wizard 8.0.0* will display. Enter the **Product Code** and then enter the **Product Key** without spaces. Double check the code and key to verify that it is entered properly and click on **Finish**.
- A *Complete* screen will display. Click on **Finish**.

Step 2: Install the PBS ODBC Catalog

PBS must be installed before you can do this step.

For these instructions [Installing the PBS ODBC Catalog for Windows](#). Following these instructions and then go to step 3.

Step 3: Install the AcuXDBC Configuration File

There are two separate configuration file installations. One is for the financial/distribution modules and the other for the financial/manufacturing modules. Both are on the PBS ODBC Catalog disk.

To install the financial/distribution configuration file select:

`PBS_XDBCcfg.exe`

To install the financial/manufacturing configuration file select:

`Mfg_XDBCcfg.exe`

Configuration File Location Note: During the installation there is an option to change the directory. Use the default directory of **C:\Program Files\Acucorp\Acucbl800\AcuGT**. However, if the AcuXDBC was not installed in the standard location, then you must find the **Acucbl800\AcuGT** directories on your system and install the configuration file there.

Step 4: AcuXDBC Configuration file setup

For these instructions see the section [AcuXDBC Configuration File](#). Be sure to create an AcuXDBC Configuration file for each PBS company you want to access via ODBC. Then return to step 5 – Starting the XDBC Service.

Step 5: Starting the AcuXDBC Service

You will need to start the AcuXDBC Server by running a batch file.

Open a command prompt and navigate to this directory:

`C:\Program Files\Acucorp\Acucbl800\AcuGT\bin`

If you are starting the service on the default port of 20222 type the following:

`acuxdbcs.bat -start`

If you wish to open any other port number, type the following:

`acuxdbcs.bat -start -n port_number`

If you need assistance selecting or enabling a port, consult your system administrator.

Note: This is not a Windows Operating System Service. You will not find it as a Computer Management Service. **It must be re-started every time the server is turned off and on or re-booted. You may add a batch to the startup directory that contains the above command.**

To verify that the service is started type at a command prompt:

`acuxdbcs.bat -info`

If the service is started a message like this will display:

`vtxnetd is alive and kicking (first attempt).`

Step 6. Install and Configure the AcuXDBC Client for Windows

Skip to the section below called [Configure the Client DSN for a Connection to the Server](#) for the steps.

Security Considerations

When you set up the DSN you must enter a user name and password to access the PBS data via AcuXDBC. If you do not use the default, then you will be prompted for a specific user name and password during login.

Please refer Acucorp's AcuXDBC User Guide for additional security documentation.

Stopping an AcuXDBC Service

If for any reason you need to stop the AcuXDBC service you may apply the kill option.

Open a command prompt and navigate to this directory:

`C:\Program Files\Acucorp\Acucb1800\AcuGT\bin`

If you are stopping the server on the default port of 20222 type the following:

`acuxdbcs.bat -kill`

To stop service on any other port, you will have to type the following command and close every port that was open:

`acuxdbcs.bat -kill -n port_number`

AcuXDBC for UNIX/Linux Server Installation and Configuration

The person who installs and configures the server should have a good grasp of UNIX/Linux system administration.

Pre-Installation Information

Before beginning, you must have the following:

- The disk labeled **PBS™ ODBC Catalog For AcuXDBC™**. If you do not have a PBS ODBC Catalog for XDBC disk, contact PSI support.
- The “Acucorp *extend*® 8 disk labeled **Version 8 for 32-bit Microsoft® Windows®** for the installation of the AcuXDBC Client.
- You will need a set of product codes and keys for both the clients and the server. These are on one or more pieces of paper labeled **Important Licensing Information**. You may also have received this information via email.

Also note the following:

- Verify that you have a consistent network connection between your Windows clients and your Unix/Linux server.

Install the Acucorp XDBC Server software

You must have the XDBC Server product code and key to complete this installation and this can be found on the piece of paper titled **Important Licensing Information**. The product code and keys for AcuXDBC is different than the code and keys for AcuODBC Server.

1. Mount the PBS™ ODBC Catalog disk in the disk drive using the appropriate mount command for your operating system. On some systems the disk may auto-mount.
2. Copy the *tar* file, which matches your operating system, to the top-level directory of PBS. The tar files are:

Operating system	Tar file name
Linux 2.2	lnx22xdbc116.tar
Linux 2.3	lnx22xdbc116.tar
SCO UNIX 5.06	sco506xdbc116.tar
SCO UNIX 5.07	sco507xdbc116.tar
SCO UNIX 6.0	sco60xdbc116.tar

Un-tar the file using a command similar to the following:

```
tar -xvf lnx23xdbc116.tar
```

This tar file will install the Acucorp XDBC Server software and the PBS ODBC Catalog for XDBC.

Set the Following Server Environmental Variables

Please be sure to add the following environment variables to your system either manually or configure the system profile (/etc/profile) so the variables are set during system startup.

GENESIS_HOME should point to the top-level directory of PBS.

LD_LIBRARY_PATH should point to the *bin* directory in the top-level directory of PBS.

PATH: **add** the full path of the *bin* directory in the top-level directory of PBS.

Here are some examples:

```
GENESIS_HOME=/usr/pbs
LD_LIBRARY_PATH=/usr/pbs/bin
PATH=$PATH:/usr/pbs/bin
export GENESIS_HOME LD_LIBRARY_PATH PATH
```

Configure the Acucorp XDBC Server Software

Setup the **pbsxdbc00.cfg** file

- Go to the top-level PBS directory and edit the **pbsxdbc00.cfg** file with your favorite text editor.
- Change the following fields, changing */usr/pbs/* to the path of your current PBS installation. If your default install of PBS is */home/pbs*, you will need to change */usr* in */usr/pbs* to */home*.

```
dictsource /usr/pbs/syscat
file_prefix
;/usr/pbs/XDBC/data;/usr/pbs/AP00;/usr/pbs/AR00;/usr/pbs/CR00;
/usr/pbs/GL00;/usr/pbs/IC00;/usr/pbs/JC00;/usr/pbs/OE00;/usr/pbs/P000;
/usr/pbs/PR00;/usr/pbs/PS00;/usr/pbs/RW00;/usr/pbs/SA00;/usr/pbs/TB00;/u
sr/pbs
```

Activate the AcuXDBC Server

You must have the AcuXDBC server product code and key to do this.

Navigate to the */usr/pbs/bin* directory and type
./activator

Enter the product code and product key. Follow the instructions on the screen.

Start AcuXDBC Server

You should be in the top-level PBS directory to start the AcuXDBC server.

To start the server type:
acuxdbcs.sh -start

A message will display similar to this:

```
/usr/pbs/bin/xdbsrvr -z -p20222
```

This means that the AcuXDBC server is started on port 20222.

To confirm that the server is started type:

```
acuxdbc.sh -start -l
```

A message will display similar to this:

```
/usr/pbs/bin/xdbsrvr -z -p20222 log
```

A tcm_<PID>.log file gets created in the directory where you ran the confirmation.

If you attempt to start AcuXDBC server when it is already started you will get the following message:

```
/usr/pbs/bin/xdbsrvr -z -p20222
```

```
root@redhat72 pbs]# bind: Address already in use
```

Stop AcuXDBC Server

You should be in the top-level PBS directory to stop the server.

To stop the server type:

```
acuxdbc.sh -kill
```

A message will display similar to this:

```
Sending 'vtxnetd suicide request' to 'redhat72'. Done.
```

Configure the Client DSN for a Connection to the Server

This step assumes that you have already installed the ODBC software on the client workstation machine. If this has not been done, install the client following the Acucorp documentation.

This client configuration applies whether server is Windows, UNIX or Linux.

To do this installation, you must have the Acucorp disk labeled [extend 8- Version 8 for 32-bit Microsoft Windows](#) and you must have a Product Code and Key. The installation instructions are found in the section of this document called [Installing AcuXDBC](#).

On the client system:

Run the Windows ODBC configuration tool. This is located at:

Start | Settings | Control Panel | Data Sources ODBC

Or

Start | Settings | Control Panel | Administrative Tools | Data Sources (ODBC)

On either the “System DSN” or “User DSN” tab, click **Add**.

Select “Acucorp AcuXDBC Driver” from the list of driver names and click Finish.

Here is an example of this screen:

The screenshot shows the 'AcuXDBC Setup' dialog box with the 'General' tab selected. The dialog has three tabs: 'General', 'Advanced', and 'Logging'. The 'General' tab contains the following fields and controls:

- Data Source Name:** A text input field.
- Description:** A text input field.
- Network driver:** A checkbox that is currently unchecked.
- Hostname:** A text input field, enabled only if the 'Network driver' checkbox is checked.
- Port:** A text input field containing the value '20222', enabled only if the 'Network driver' checkbox is checked.
- Configuration File:** A text input field containing 'acuxdbc.cfg' and a 'Browse ...' button.
- Database security:** A section containing three text input fields: 'Username', 'Password', and 'Confirm Password'.

At the bottom of the dialog are three buttons: 'OK', 'Cancel', and 'Apply'.

Data Source Name

On the General tab, enter the Data Source Name (DSN). This should be something that describes the data you are accessing. It can be the name of the company, the company number or anything that helps you identify the data when you are creating queries and reports.

Description

The entry of the Description field is optional. You may also leave it blank.

Network driver

Put a check mark in the box called Network driver. When you do, the host name and port name will become available for editing.

Hostname

In the Hostname field enter the IP Address of your ODBC server.

Port

Enter the port number. The default port is 20222. You may use this port number or enter another. Whatever port number you enter, it must be available on your server. *The values of both the server and workstation must match.* If you change the value in one location, you must also change it in the other.

Configuration file

Enter the configuration file name that you set up on the server. The default is PBSxdbc00.cfg. This is the default configuration file name for company 00. The name you enter must have a matching file name on the server.

Database security

There are three fields that you must enter.

Username

Enter the username. Enter a name for accessing data on the server. If security is not an issue, enter the user name as *system*.

Password

Enter the password for accessing your data. If security is not an issue, enter the password as *manager*.

Confirm Password

Re-enter the password that you entered in the password field. If it does not match this message displays: "Password values don't match. Please re-enter the passwords."

If you enter the username as *system* and the password as *manager* you will not be prompted for a user name and password when you access PBS data.

The following is a screen shot of the entries for AcuXDBC Server:

The screenshot shows the 'AcuXDBC Setup' dialog box with the 'General' tab selected. The 'Data Source Name' is 'XYZ Company 00'. The 'Description' field is empty. The 'Network driver' checkbox is checked. The 'Hostname' is '193.170.55.1' and the 'Port' is '20222'. The 'Configuration File' is 'PBSxdbc00.cfg' with a 'Browse...' button next to it. The 'Database security' section has 'Username' as 'system', 'Password' as '*****', and 'Confirm Password' as '*****'. At the bottom are 'OK', 'Cancel', and 'Apply' buttons.

AcuXDBC Setup	
General Advanced Logging	
Data Source Name	XYZ Company 00
Description	
☒ Network driver	
Hostname	193.170.55.1
Port	20222
Configuration File	PBSxdbc00.cfg Browse ...
Database security	
Username	system
Password	*****
Confirm Password	*****
OK Cancel Apply	

Click on OK to create your Windows DSN.

This completes the configuration of the client. If your server is installed and configured for AcuXDBC, then you are ready to access PBS data files.

Test the AcuXDBC Server/Client Installation

Once you have installed and configured both the server and the client you are now ready to access your PBS data from your Windows client.

To test this, use your ODBC compliant program of choice, such as Access[™], Excel[®], Crystal Reports[®], etc. If you use Excel to access PBS via AcuXDBC, you must have Microsoft[®] Query installed. The default install of Office 2000 and possibly other versions of office do not include Microsoft Query.

Where to go from here?

These instructions only cover the basics of getting the AcuXDBC Server up and running.

For more information on using AcuXDBC with your external applications, like Access and Excel, refer to the documentation provided with the application, study one of the many documents available for the application or pursue training services from a local provider.

Appendix

1. Data Security and Limiting Access to PBS Data

This installation of AcuXDBC provides access to all the PBS data files; including Payroll and General Ledger information. Future releases of AcuXDBC will have more options for security.

Passwords may be entered to prevent other users from accessing the PBS data files.

2. Support

If help is needed to resolve any issues, please contact your PBS supplier or Passport's support department at: (800) 969-7900 ext. 124 or email support@pass-port.com.

In addition, if you discover anything that will help improve this document or the installation, please let us know.

Passport Software, Inc.
3801 West Lake Avenue
Suite 301
Glenview, IL 60026
800-969-7900
<http://www.pass-port.com/>

3. ODBC Performance

ODBC performance can vary per system and data files being accessed. There are several ways you may address performance and speed:

1. Optimize your queries in Access by using *Import* instead of *Link Tables*, or use make-table queries to create static copies of large data tables. This will allow you to work with a localized data set while you are running queries, but the disadvantage here is that you will have to re-import your data every time you wish to work with it. You may also optimize the link to Access by first creating Queries for just the data fields you need, and then combining queries in a report.
2. In Access create queries of only the data you need and then report on the data contained in the query. This will limit the amount of data you are accessing when generating your report.
3. Improve your network performance by upgrading your network hardware, such as switched hubs, gigabit Ethernet, and faster workstation computers. This option provides a limited increase in bandwidth, which should help performance and speed.
4. Install the AcuXDBC Server software on your Passport Business Solutions server. With AcuXDBC server, all queries and transactions take place on the server processor instead of the local machine, which improves performance significantly. This option will provide the most performance gain, allowing your server to handle all ODBC requests on the server side while still accessing your data from your workstation computer.

4. SQL Support

SQL commands may be used to query and manage PBS data. Refer to the AcuXDBC™ User's Guide in the Acucorp documentation for the available commands. If you do not have this document, contact Passport Software for assistance.