

# Experian Pandora ODBC Installation & User Help

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# Preface

This document is for reference only; it is not to be followed as gospel. Much of this document covers area's outside of Pandora which is something you should always consult with your IT department regarding before following any suggestions made here.

### **Installation Help**

#### **ODBC Driver Dependencies**

The Pandora ODBC driver may be installed on any modern Windows operating system (Windows XP, Windows 7 or Windows 8). It has no additional dependencies on the Pandora client or server – i.e. there is no requirement that the Pandora client or server is installed on the same machine as the ODBC driver.

#### 32 or 64 bit?

The Pandora ODBC driver comes in two variants.

When your Operating System is 32-bit, then you should install the 32-bit driver.

With an Operating System that is 64-bit, then you can install either the 32 or 64-bit driver (better still both). In this case your choice will depend on the "bitness" of the application (client) that will be employing the driver.

E.g. If your Operating System is 64-bit architecture is 32 bit Excel then you must install the 32-bit driver. If you don't know the "bitness" of your Operating System, then navigate to **Start->Control Panel->System** 

Control Panel Home	Minister in the second				
	View basic information about your computer				
🚱 Device Manager	Windows edition				
🛞 Remote settings	Windows 8.1				
🛞 System protection	© 2013 Microsoft Corporation. All rights reserved.				
🚱 Advanced system settings	Get more features with a n	Get more features with a new edition of Windows			
	System				
	Processor:	Intel(R) Core(TM) i7-4770 CPU @ 3.40GHz 3.40 GHz			
	Installed memory (RAM):	32.0 GB			
	System type:	64-bit Operating System, x64-based processor			
	Pen and Touch:	No Pen or Touch Input is available for this Display			



#### **Prerequisites**

You will need to know the host name (or IP address) and Report Server port of the Pandora server. By default the Report Server is run on port 7800. You can either check the server log file (at startup) or check the setting using the Pandora client.

Server log file: Find the line that reads

Pandora: Starting Report Server on port <number>

Pandora client: Navigate to Home > Settings > Server Settings > Communication > Reporting Client TCP/IP Port

Reporting Client TCP/IP Port					
Reporting Client TCP/IP Port: 7800					
The TCP/IP port to use for Reporting driver client communication					
Ok Cancel					

In order to create a DSN for the Pandora server you will require these two bits of information (address and port).

#### **Downloading the ODBC Driver**

The Pandora drivers are bundled into the Pandora installation exe. If you don't already have this (Pandora setup.exe) then you should ask support for access to the setup.exe and download it.



### **Installation of ODBC drivers**

Run the setup.exe from an administrator's account.

Once you reach the "Choose Setup Type" dialog choose the "Custom" option;

	Typical
12	Installs the most common program features. Recommended for most users.
	Custom Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users.
	Complete All program features will be installed. (Requires most disk space)

If you have a 64-bit operating system, then you should install both the 32-bit and 64-bit ODBC drivers. These are all the questions you need to answer in order to complete the installation.

ck on the icons in the	tree below to change	e the way features will be installed.	
×- d	5.2.164-bit lient erver	The 64-bit ODBC Driver	
	indows Service	This feature requires 45033KB on your hard drive. It has 1 of 1	
	river 32-bit on 64-bit	subfeatures selected. The subfeatures require 3KB on your hard drive.	
	am Files\Experian\Pan		



#### **Post Installation Options**

In order to use the ODBC driver, you must first create one or more Data Source Names (DSNs).

The supported way of doing this is to use Microsoft's ODBC administration tool. Navigate to: **Start->Control Panel->Administrative Tools** and select either the 32-bit or 64-bit ODBC data source admin tool. If your application (Excel, Tableau etc.) is 32-bit then you must select the 32-bit admin tool. If it is 64-bit, then select the 64-bit tool.



Select the "**System DSN**" tab and verify that the Data source "PServer ##-bit" is present in the list. Then press "**Add**" to create a new Data Source.

System Data Sources: Name	Platform	Driver		$^{\circ}$	Add
JavaUltraLightDSII	64-bit	JavaUltraLightDSIIDriver			
PServer 32 bit	32-bit	PServer ODBC DSII Driver			Remove
PServer 64 bit	64-bit	PServer ODBC DSII Driver	)		
QuickstartDSII QuickstartDSII	32-bit 64-bit	QuickstartDSIIDriver QuickstartDSIIDriver			Configure
SimbaODBCClientDSII		SimbaODBCClientDriver			
SimbaODBCClientDSII		SimbaODBCClientDriver			
UltraLightDSII	32-bit	UltraLightDSIIDriver			
UltraLightDSII	64-bit	UltraLightDSIIDriver			
				~	
		ource stores information ab visible to all users of this co			



In the "Create New Data Source" dialog select the driver "PServer ODBC DSII Driver" and press "Finish".

 Create New Data Source	)	×
Select a driver for which you wa	-	
Name Java UltraLight D.SII Driver PServer ODBC DSII Driver Quickstart DSII Driver SimbaODBCClient Driver SQL Server SQL Server SQL Server Native Client 11.0 UltraLight DSII Driver	Version Not marked 9.02.01.11 9.03.04.14 9.03.04.14 6.03.9600.16384 2011.110.3000.00 9.03.04.14	
< Back	Finish Ca	> >

The Data Source Configuration dialog may now be filled in (Image Below).

You must specify a Name, Server address (Host) and Port. The Server address refers to the IP address (or DNS name) of the Pandora server. The port refers to the Pandora server's Reporting TCPIP port. See the earlier Prerequisites section of this document for details.

	Data Source Configuration ×
Data Source Name:	PServer 64bit
Description:	PServer DSN
PServer Host:	192.168.0.1
PServer Port:	7800
	OK Cancel

Note; You should create as many DSNs as you have Pandora servers.



### Install Troubleshooting

- No Pandora DSN in the list when you run your application (Excel, Tableau etc.) You may have created a 32-bit DSN for your 64-bit application, or a 64-bit DSN for your 32-bit application. Use the appropriate "bitness" of the ODBC administration tool to create the DSN.
- No Pandora driver in the list of ODBC drivers you may have installed the wrong "bitness" of driver.
- System error 126 when the "Data Source Configuration" dialog appears. You may not have installed the Microsoft Visual C++ redistributables. You may download the kit from <a href="http://www.microsoft.com/en-gb/download/details.aspx?id=30679">http://www.microsoft.com/en-gb/download/details.aspx?id=30679</a> If you have a **32-bit** client then you must download the **x86 version**. If you have the 64-bit client, then download the x64 version.
- Connection rejected
  - Check that you have supplied the appropriate Pandora username and password.
- Connection timeout
  - Some other network problem is causing this; we advise you to discuss with your IT department the potential for have the correct port numbers/ access.
- DSN Connection Settings Screen instead of login screen when running without Admin Rights.
   You will need to provide the individual user with write capabilities to the Experian Folder in the Program Data file path detailed below.
- Contact your support representative for any other issues.

When you first connect to the Pandora server using the ODBC driver a log file will be created. Each connection will be logged in this file. This log file may be used to diagnose problems you may experience and will be a pre-requisite for support calls.

The log file odbc\_session.log can be found in the directory: c:\ProgramData\Experian\Pandora\odbc\logs\

The logging level defaults to WARN, however you may change this to one of:

- NONE or OFF
- FATAL
- ERROR
- WARN
- INFO
- DEBUG

You will need to change the following registry key using regedit::

64-bit driver on a 64-bit architecture: HKEY\_LOCAL\_MACHINE/SOFTWARE/Experian/Pandora/Driver/PDriverLogLevel

32-bit driver on a 32-bit architecture: HKEY\_LOCAL\_MACHINE/SOFTWARE/Experian/Pandora/Driver/PDriverLogLevel

32-bit driver on a 64-bit architecture HKEY\_LOCAL\_MACHINE/SOFTWARE/Wow6432Node/Experian/Pandora/Driver/PDriverLogLevel



## User Help

#### **Initial requirements**

Before you can use the "Reporting" features you must ensure that the Pandora ODBC driver has been installed on a client Windows machine. See the earlier in this document for how to do this.

You should also ensure that the Reporting server's port has been set to an appropriate port number. The default port number is 7800, however you can change this in the Client by navigating to Home > Settings > Server Settings > Communication > Reporting Client TCP/IP Port and setting the port number.



### Reporting

#### **Overview**

Reporting is the process of making data views available to external client applications via the Pandora ODBC driver. These views (known as Reports) follow the ODBC naming convention of "Catalogue name"."Schema name"."Table name". The catalogue name will always be the brand name of the product.

Reporting schemas are arbitrarily named folders under which you may group the Reports. A Report name must be unique within a Report Folder but can be shared among multiple Report Folders.

Before you create a Report you must first create one or more Report Folders.

#### **Creating a Report Folder**

In the explorer navigate to Home > Collaboration > Report Folders and right click on "Report Folders" and select "New" menu item.





Create a name for the Report Folder and provide a description. You can also set the permissions for this Report Folder in the "Permissions" tab.

Create Report Folder		×
Details Permissions		
Name:		
Description:		
	k,	
	~\\	
	Sa	ve Cancel

Note that since this Report Folder is visible to an ODBC enabled Client as an ODBC Schema then the name you give it must be an ODBC compliant Identifier name. In other words it should:

- Start with an Alphabetic character
- May only contain AlphaNumeric characters and Underscores
- Should not exceed 30 characters in length

Any characters that you type in the name field, other than letters, number and spaces (which will be converted to Underscores) will be ignored.

<b>∢ گچ</b> ∝	Collaboration 1 User logged in Type here to filter items	Ξ	<ul> <li>interest Folder</li> <li>interest interest inter</li></ul>			
88	Meetings	$\equiv$	Item	Info	Description	
	No Meetings Defined		📦 Report Example 1	No Reports Defined	Report example one	
<u></u>	Messaging 0 of 3 people logged in	=	🧐 Report Example 2	No Reports Defined	Report example two	
	Notes No Notes Defined	=	Report Example 3	No Reports Defined	Report example three	
(م	Report Folders 3 Folders					



#### **Publishing Reports**

A **Report** can only be created from a saved Drilldown. Reports are published to one or more Report Folders. The visibility of the Report data is governed by the Owner of the Report Folder, so a Drilldown that has been created by the user "Administrator" and published to a Folder owned by "Administrator" may not have the same visible data as the same Drilldown published to a Folder owned by "Analyst". Using the permissions on a Report Folder you may publish the same Drilldown to different Folders but exclude confidential parts of the data depending on the owner of the Folder.

Right click on the Drilldown you wish to use to create a Report and select the folder you want to publish the report to.



In this example we have 3 Report Folders to which we can publish the Drilldown. If this Drilldown has already been published to one or more Report Folders then the folder names will appear in the list but will be greyed out.

Create Report ×
Discount Code Rate Plus 7
Rate + 7
🕑 Report Example 1 🔹 🔻
Save Cancel

Just as the **Report Folder** ODBC Schema name is ODBC compliant, the **Report** ODBC Table name must also be ODBC compliant and is limited to 30 characters.

In this example the ODBC table name will appear as **Discount\_Code\_Rate\_plus\_7**. When the Report has been Published it will be listed under its parent **Reporting Folder**.



A Drilldown that has been published will have an Icon indicating this.



When an ODBC client connects to the Pandora ODBC DSN only the Report Folders that allow Read access to the User for that connection will be visible.

#### **List or Reports**

To view all the Reports for a Report Folder navigate to Home > Collaboration > Report Folders > Folder\_Name > Reports

To view all the Reports for a Drilldown navigate to **Home > Data > Drilldowns**, right-click on the Drilldown name and select Details. Then double click on the row "Reports".

#### **Deleting Publishing Reports**

Reports may be unpublished either individually or collectively. Navigate to **Home > Collaboration > Report Folders > Reports.** Select the Folder you want to delete the report friom and right click on the Report name, select Delete.



If you want to delete more than one report within the Report Folder, open the drilldown of the Report Folder, select the reports you want to delete, right click and select Delete Reports.

Reports may be collectively unpublished by Deleting their parent Drilldown. When a Drilldown is deleted all Reports that use that Drilldown will be deleted as well.

Note you only delete empty Reporting Folders.

#### **Updating Reports**

When a new version of the underlying Table is loaded and Novation has been enabled for that Table all Drilldowns associated with the table will be novated as well. Similarly any Reports associated with those Drilldowns will be novated automatically.



### **Using ODBC Driver**

#### **Accessing the Report**

Any ODBC enabled client application should now be able to access the Report. This example uses Microsoft Excel to import the data. From the **Data** tab in Excel select **From Other Sources > From Data Connection Wizard** 



Data Connection Wizard	? 🗾 🗙
Welcome to the Data Connection Wizar This wizard will help you connect to a remote data :	
What kind of data source do you want to connect to? Microsoft SQL Server Microsoft SQL Server Analysis Services ODBC DSN Microsoft Data Access - OLE DB Provider for Oracle Other/Advanced	*
Cancel	Sack Next > Finish



Data Connection Wizard	? ×
Connect to ODBC Data Source Choose the ODBC data source you want to connect to.	
ODBC data sources:	
dBASE Files Excel Files MS Access Database	
XXX DOP Driver	
	<b>.</b>
Cancel	< Back Next > Finish

In the next next dialog box select the table you want to import to Excel.

Data Connection Wizard						? ×	
Select Database and Table Select the Database and Table/Cube which contains the data you want.							
Select the database that contains the data PSERVER Connect to a specific table:	you want:						
Name	Schema	Description	Modified	Created	Туре		
Image: DD_CUSTOMER_V1_OBFUSC_DATE_2         Image: OBFUSC_DATE         Image: OBFUSC_FIRST_ORDER_DATE         Image:	RF1 RF1 RF1 RF1 RF1 RF2	Dd Customer V1 Obfusc Date 2 Obfusc Date Obfusc First Order Date obfuscated english col rules rules			TABLE TABLE TABLE TABLE TABLE TABLE		
		Can	cel	< <u>B</u> ack	Ne	ext > <u>F</u> inish	



Finally click "Finish".

Data Connection Wizard
Save Data Connection File and Finish Enter a name and description for your new Data Connection file, and press Finish to save.
File <u>N</u> ame:
PSERVER OBFUSC_DATE.odc Browse
Save <u>p</u> assword in file
Description:
Obfusc Date
Friendly Name: PSERVER OBFUSC_DATE
Search Keywords:
Always attempt to use this file to refresh data         Excel Services:       Authentication Settings
Cancel     < Back

In the final dialog you can add a description and various other options and select Finish.

In Excel click Existing Connections and choose your connection from the dialog box and click Open. A list of available tables will open. Select the table you wish to Import and a new dialog opens:

	Import Data	?	×			
Select how you want to view this data in your workbook.						
= \$D\$1	et	•				
Add this data to the Data Model						
P <u>r</u> operties	ОК	Ca	ncel			

Select Properties and then Definition to enter your User name and password details.



	Connection Properties ? ×					
Connection <u>n</u> ame:	CONNECTIONNAME					
Descr <u>i</u> ption:	POH v1					
Usa <u>q</u> e <u>D</u> efinitio	on					
Connection type:	Office Data Connection					
Connection <u>f</u> ile:	B:\Cathy\Documents\My Data Source Browse					
	Always use connection file					
Connection <u>s</u> tring:	DSN=XXX DQP Driver;UID=username;PWD=password					
Save pass <u>w</u> ord						
Command type:	SQL 🗸					
Command text: SELECT * FROM "XXXXXXX"."REPORT_EXAMPLE_ 3"."PURCHASE_ORDER_HEADER_V1"						
Excel Services:	A <u>u</u> thentication Settings					
<u>E</u> dit Query	Parameters Export Connection File					
	OK Cancel					

If there is only one table in the Schema it will be loaded automatically, otherwise select the table from the list of tables presented by Excel.

Se	lect Table		? ×
Enable selection of <u>m</u> ultiple tables			
Name	Schema	Description	Modifie
<ul> <li>DISCOUNT_CODE_RATE_PLUS_7</li> <li>DISCOUNT_CODE_RATE_PLUS_7</li> <li>CURRENCY_CODES_FOR_REVIEW</li> <li>PURCHASE_ORDER_HEADER_V1</li> </ul>	REPORT_EXAMPLE_1 REPORT_EXAMPLE_2 REPORT_EXAMPLE_3 REPORT_EXAMPLE_3	CC 4 exp	
<			>
Import relationships between selected	Select Relate	d Tables	
		ОК	Cancel



x		5-	¢.	÷	-				
F	ILE	HOI	ИE	INSERT	P/	AGE LAYOUT	FO	RMULAS	D
	om	Web	Text	rom Other Sources * rnal Data		Existing	Refresh All +	Connection	rties inks
BS	)			×	/	$f_{\mathcal{K}}$			
Α			В		с				
1	DIS	COUNT	CODE	▼ RATE	-	Discount_	Code_R	ate_plus	-
2	н				16		23		
3	М				11		18		
4	L				7		14		
5	Ν				0		7		
6									
7									

Once the Connection has been created, the next time you want to Import data, use the Existing Connections button in Excel, select the Connection and you will go directly to the Tables available.