***SQL/ODBC Access for Advantzware Databases***

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# Document Overview

This document is designed to provide instructions for setting up SQL/ODBC access capabilities for Advantzware databases.

## Version History

1.0 05/30/2018 MYT Original Draft

## This Manual is intended to

* Provide instructions for provisioning a Progress to allow SQL/ODBC connections
* Provide instructions for configuring an ODBC data source to allow external applications to access an Advantzware database

## This Manual is not intended to

* Teach anyone how to program in Progress
* Provide instructions for creating/serving an Advantzware Progress Database
* Provide application support for SQL/ODBC data access

## Specialized Terms used in this Document:

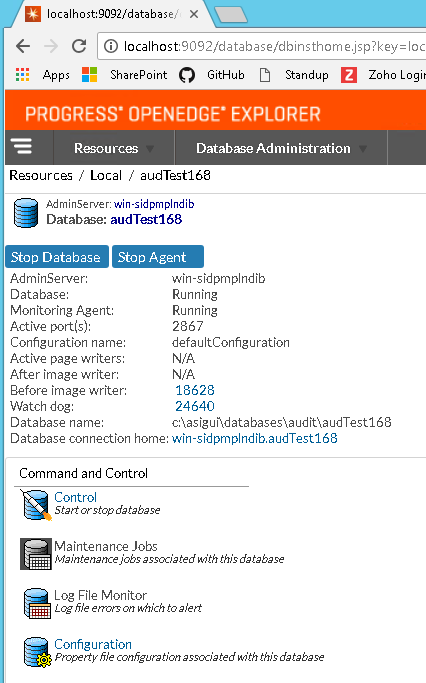
# Provision a Database for SQL/ODBC access

## Configure a Secondary DB Broker

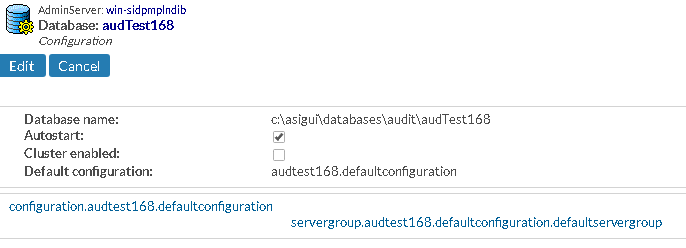
Note: This section presumes that a database has been created and server using OpenEdge Explorer with “standard” startup parameters.

Steps:

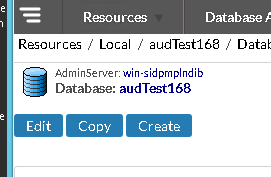
1. Open OE Explorer and locate the target database listed under Resource = “Databases”
   1. Make note of the Active port (2866 in this example)
2. Select the Configuration hyperlink



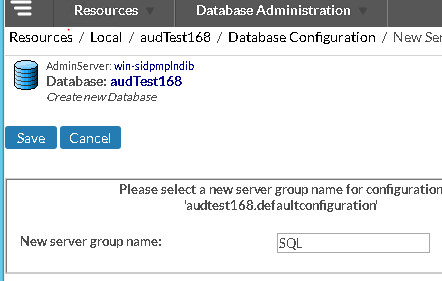
1. Select the servergroup hyperlink



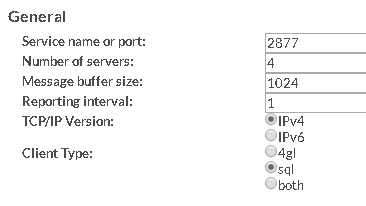
1. Choose the Copy button



1. Add a server group name “SQL” and Save



1. Choose Edit and adjust the following parameters:
   1. Service Name or Port = active port from step 1 + 10 (2877 in this example)
   2. Number of servers = 4
   3. Client Type = sql
   4. SAVE



1. Stop and Restart the Database
2. Close OE Explorer

## Provision SQL Access security for tables

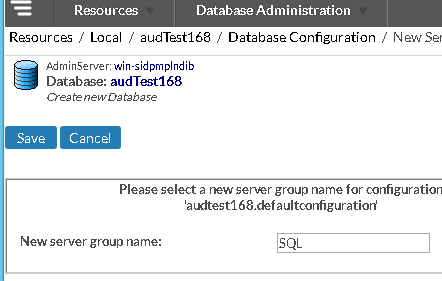
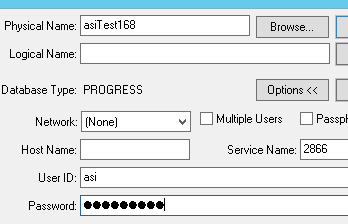
Steps:

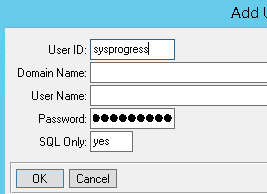
Figure 3

Figure 2

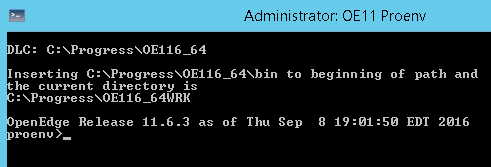
1. Open DB Administration and connect to the target database
   1. Make sure to use User ID and Password when connecting



1. From the menu, choose Admin | Security | Edit User List
2. Add a user with these parameters:
   1. User ID = sysprogress
   2. Domain name blank
   3. User Name blank
   4. Password = sysprogress
   5. SQL Only = Yes



1. Press OK, retype the password for verification, then OK out of User List
2. Minimize the DB Administration tool
3. Open a ProEnv session



1. Enter the following, substituting the appropriate data for bracketed values (Do NOT enter carriage returns between entries; these are for ease of reading only)

sqlexp -char -infile <path-to-current-patch>\SQLAccess\allfiles.sql  
-outfile c:\tmp\sqlreport.txt -db <database-name> -H localhost -S <sql-config-port>  
-user sysprogress -password sysprogress

1. Press Enter
2. Exit Proenv
3. Restore DB Administration and remove the SYSPROGRESS user

# Set Up an ODBC Data Source

## Configure the Data Source

Steps:

1. In Windows, find and run ODBC Data Source Administrator (32-bit)
2. Choose the System DSN tab
3. Choose Add, and select Progress OpenEdge 11.6 Driver
4. On the General tab, enter the following parameters:
   1. Data Source Name = asi
   2. Description = Advantzware database read only
   3. Host Name = <your host/computer name>
   4. Port Number = <SQL-port-number> from above
   5. Database Name = <dbname> from above
   6. User ID = enter a default, or leave blank for prompted access
5. Save and Close the OSBC Adminstrator

## Configure an Application (Excel) to Use the Data Source

Note: This example uses features in Microsoft Office 2013 and higher

Steps:

1. Open Microsoft Excel
2. Open a blank workbook
3. Choose the Data tab
4. Select the From Other Sources option in the menu ribbon
5. Choose From Microsoft Query
6. Choose the Data Source you created above
7. Enter your user id (if necessary) and password
8. Select the tables/fields you require and build a query in standard SQL syntax
9. Use the Query Wizard to filter/sort results
10. Complete the Wizard and view your results