

Description: This AppNote will explain how you can log Alarms to an Oracle 9i Database.

OS Requirement: The operating system required is Win XP/2000/NT/2003.

General Requirement: Oracle 9i is already installed on the Server PC. The server PC and the Client PC are on the same Workgroup.

Here we shall see how to log to a Remote Oracle server from AWX Logger:

Steps

Server Machine:

1. Install Oracle 9i on the computer. While installing make sure you choose, the server Installation.
2. During installation it will ask for a TNS (Transparent Network Substrate) service name. Give the name and remember the name carefully, because during AWX Logger configuration we shall need the service name. Here we have specified the TNS service name as “**OracleLg**”.

Client Machine:

3. To log to an Oracle Server from a remote client, you first have to install the **Oracle Client** on the Client machine. Also you have to configure your TNS service, and Listener. While installing choose the “Administrator” installation.
4. Install Genesis on the Client machine. Create an Alarm server configuration and make it active. **Goto Start – Programs – Iconics Genesis32 – AlarmWorX32 – Alarm Logger Configurator**.
5. The Alarm logger Configurator will open as shown in the figure below. Add a node and link the node to the configuration. Enable Database logging, and click on the browse button. See the figure below:

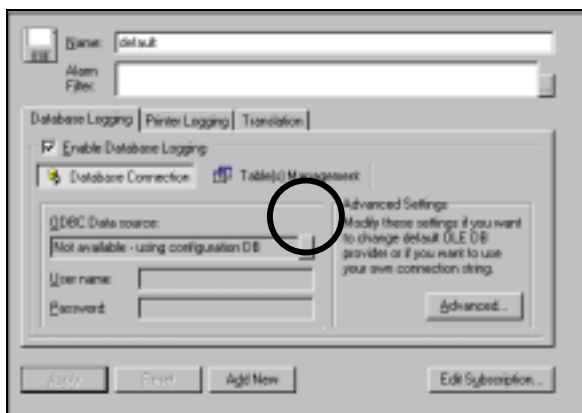


Figure 1

6. The **Select Data Source** window will open up. Select **Machine Data source** and click on **New**, see the figure below:

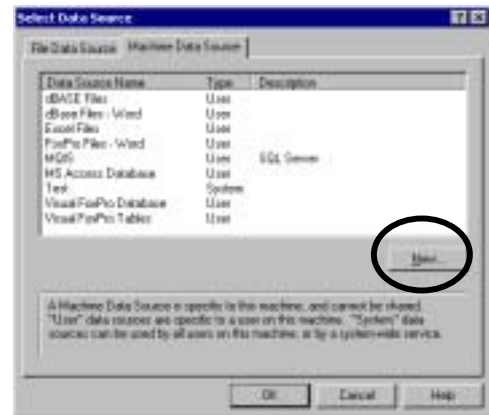


Figure 2

7. The **Create New Data source** window will open up as shown in the figure below. Select **System Data Source** and click **Next** to continue.



Figure 3

8. Select the **Oracle driver** from the list and click **Next** to continue.



Figure 4

9. You can see the driver you selected in the next window. **Click Finish** to create the DSN, otherwise click Back to make any changes. See the figure



Figure 5

10. The Oracle Driver configuration window will open up. Give the Database a name select the TSN service listed in the list box. See the figure below:



Figure 6

11. If you have created a user id, type in that, otherwise you can use the default user id, which is **Scott**. **Click OK** to continue, and the login window will open up. See the figure below:



Figure 7

12. Type the password corresponding to the user if. If you have entered the default user id, then type in **"tiger"** as the

password. **Click OK** to continue. You can see the Data source name in the list under Machine Data source.



Figure 8

13. **Click OK**, to come to the Alarm logger Configurator. It is required that you type in your password again. **Click Apply** to save the changes.

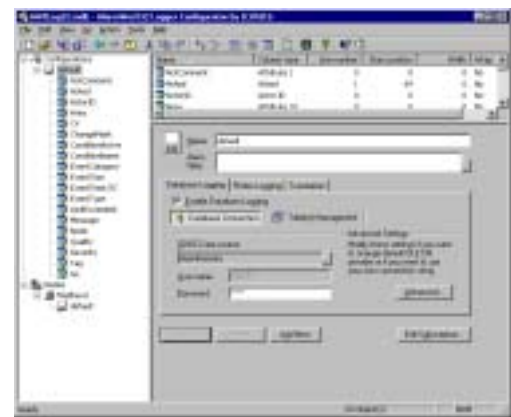


Figure 9

14. Click on Tables management. Here we have changed the base table name to **"RemoteAlarm"**. Type in a name and set the archiving of tables.

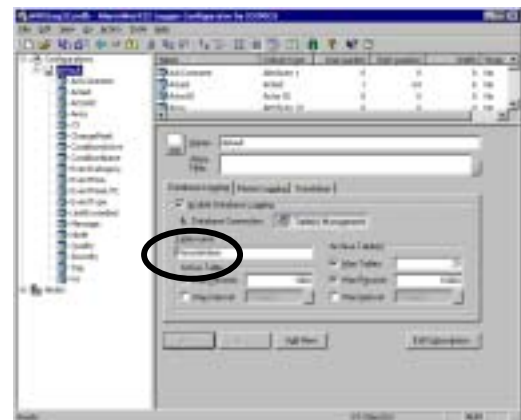


Figure 10

15. Save your changes and start the Alarm Logger Configurator. Now alarms will be logged to the Oracle server on the server machine. To view the logged alarms, first we have to connect to the Oracle server on the server machine. To connect to Oracle, we shall use SQL Plus. **Open SQL Plus** as shown in the figure below:

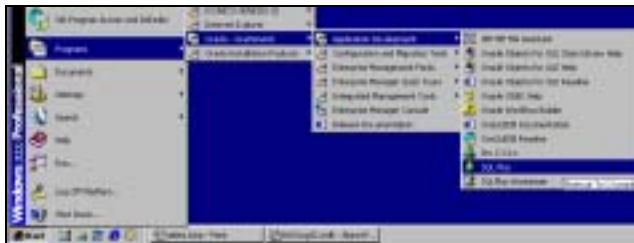


Figure 11

16. The SQL Window will open up with a login button. Give the login name and password and the TNS service name to login to the Server. If you do not have a user id and password, use the default.



Figure 12

17. After you are logged onto the server, type in **“Select * from tab;”** to see the table you created. See the figure below:



Figure 13

18. After you see your table created, now type in the command **“Select * from remotealarm;”** to view the alarms. See the figure below:



Figure 14