

This is a MAB version of the Oracle Adaptor based on the Pre-Release 3.3 version of the Oracle Adaptor. It contains the following bug fix :

- The default Oracle date format in Release 3.2 does not return time. It hardcodes TO\_CHAR(columnName, 'MM/DD/YYYY') when it extracts a date/time.  
(Bug Ref##40437, Ref##38749)

With this patched adaptor, you can use a dwrite to change the default date format which is currently specified as "MM/DD/YYYY".

In a terminal shell, specify the following dwrite:

```
localhost> dwrite MyApp OracleAdaptorDateFormat "DD Year Month HH:MI:SS"
```

Note: You can specify any valid SQL format string. You can have a different format string for each application. Note that the dwrite only applies to a single machine and to a particular application. You would have to specify the dwrite on each machine individually.

- If the dwrite solution is not generic enough, you can change your application code to include the following methods:

```
@interface DBDatabase (DateFormatStringExtensions)

- (const char *)dateFormat;
    // This returns the current date format string used by the
    // adaptor. It will never return NULL.
```

```

- (const char *)defaultDateFormat;
    // By default this returns "MM/DD/YYYY".  This default date
    // format can be overridden by a dwrite:
    // % dwrite <AppName> OracleAdaptorDateFormat "<format string>"
    // This method never returns NULL.

- setDateFormat:(const char *)newDateFormat;
    // This method is used to set the date format used by the
    // adaptor.  It will override the built-in and dwrite
    // defaults.  If newDateFormat is NULL, the default date
    // format will be used.  This method returns self.

@end

```

In your application code, you can set the format inside appDidInit: for instance, by sending to the DBDatabase instance variable the method setDateFormat. For example:

```

- appDidInit:sender
{
    [[module database] setDelegate:self];

    fprintf(stderr, "current date format %s\n",
        [[module database] dateFormat]);
    [[module database] setDateFormat:"DDth Month/YYYY"];

    return self;
}

```

}

**Usage**

Hardlink to this patched oracle adaptor by adding the following option to your Makefile.preamble  
OTHER\_OFILES = /MyDirectory/OracleAdaptor.adaptor/OracleAdaptor

**Known Problems not fixed in this Oracle Adaptor Patch**

Bug Reference **39247**

Identical names in joined tables generate ambiguous queries that fail.  
The Oracle server will generate the following error message:  
*ORA-00918 Column Ambiguously defined.*

**Workaround:** Use different names.

Bug Reference **41992**

Update of date fields alone will fail.  
The Oracle server will generate the following error message:  
*Can't execute oracle cursor.*  
*ORA-01008: not all variables bound*

**Workaround:** Update a non-date field in addition to the date field.