

## Updating the Character Set for Oracle 10g April 2008

After the upgrade to Oracle 10g clients several libraries reported display problems with MS Access queries containing diacritics in the results: rather than the correct information displaying the cell will contain "Error(12001)".

Users must update the character set for Oracle in the Registry Editor for correct diacritic display in MS Access Reports. Basically, when an NLS\_LANG value in the Oracle configuration is set to something other than AMERICAN\_AMERICA.US7ASCII, the value must be updated.

*Use extreme caution when working in the Registry Editor. Only individuals experienced with **Windows Registration Databases** should make this update. Furthermore, to do this the user must be logged in as Administrator. If you have any questions, please consult with your local PC desktop support staff.*

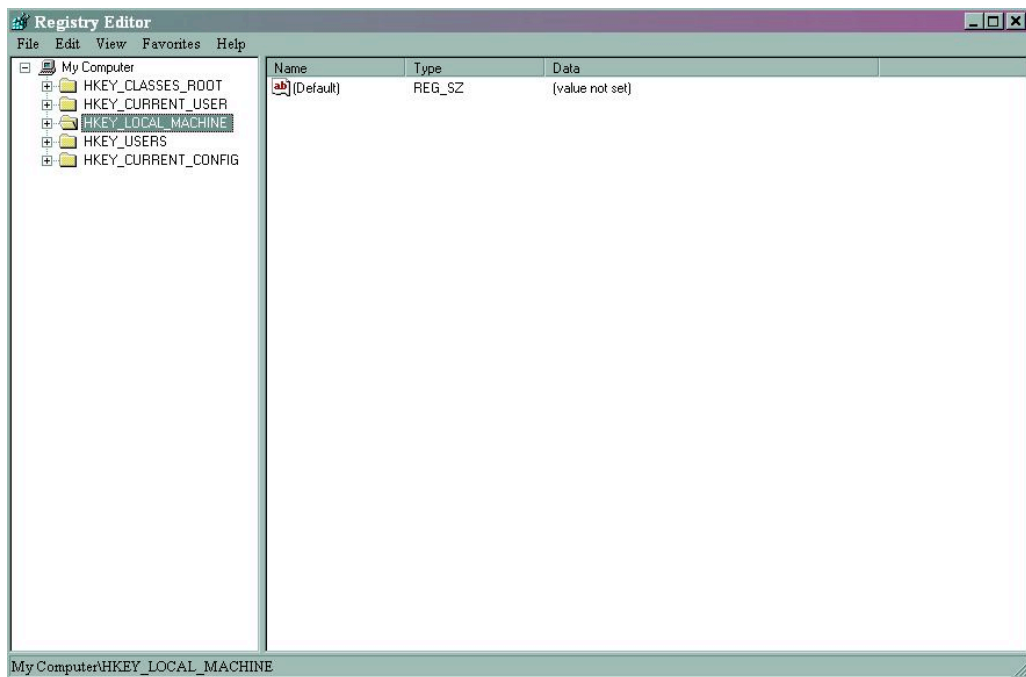
You may need to update the NLS\_LANG value in the following locations.

- My Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE\KEY\_OraClient10g\_home
- My Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE
- My Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE\ALL\_HOME\ID0
- My Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE\HOME0

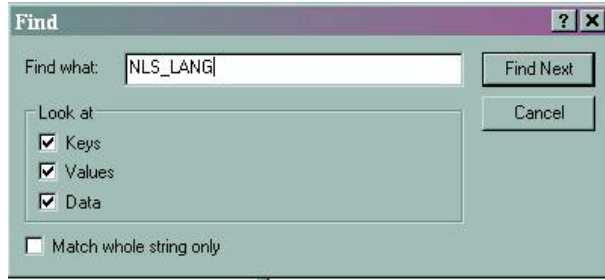
The simplest way to find where NLS\_LANG values are that may need to be changed is to do a "Find" in your PC's Registry for "NLS\_LANG".

1. Open the Registry: Click **Start** → **Run** → type **regedit** → Click **OK**

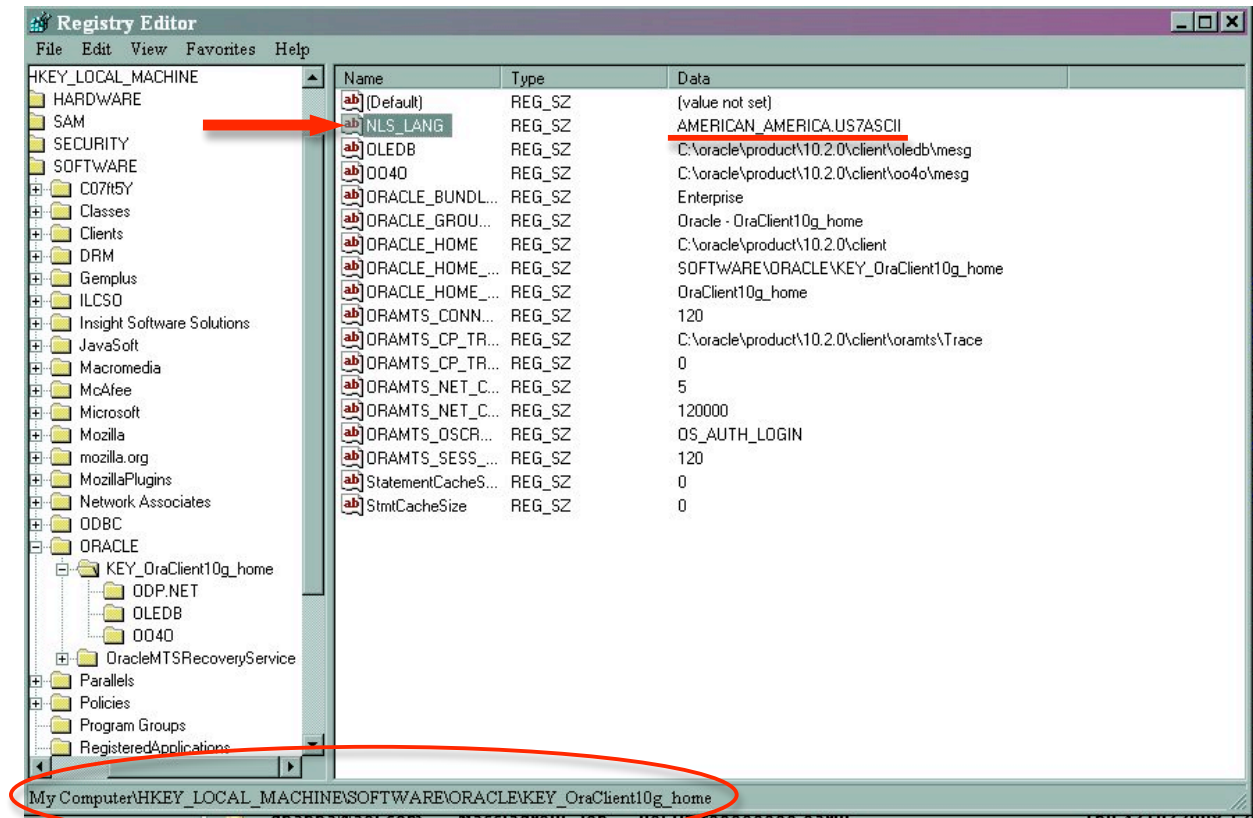
The Registry Editor will open and look something like this:



- Choose **Edit → Find** (or press CTRL-F), type **NLS\_LANG** in the “Find what” box, and Click **Find** (or **Find Next**).



The search will bring you to the first place NLS\_LANG is found:



- The complete file path location is listed at the bottom of the registry window. Note the path location. If it matches one of these

- My Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE\KEY\_OraClient10g\_home
- My Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE
- My Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE \ALL\_HOME\ID0
- My Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE \HOME0

then check the value of the “Data”.

4. If necessary, edit the Data. To edit the setting highlight NLS\_LANG and choose **Edit** → **Modify**, or double-click on NLS\_LANG, to open the Edit String box. Clear the existing Value data and enter **AMERICAN\_AMERICA.US7ASCII**



Click **OK** once the Value data is updated.

5. To find the next occurrence of NLS\_LANG you can follow the instructions above or go to **Edit** → **Find Next** (or press F3). Follow the above steps to change the any additional NLS\_LANG values to the correct Value.

When you receive the following message after attempting to Find the next NLS\_LANG entry there are no more values found, and you have completed the changes needed.



6. To close the registry select **File** → **Exit**.

If you prefer you can browse through the file structure of the registry to find the locations listed above that may require the NLS\_LANG to be updated.

For additional information please see the *Voyager 6.5 Reporter User's Guide*, beginning on pp. 1-53.

The User's Guide can be found on the CARLI website:

<http://www.carli.illinois.edu/mem-prod/1-Share/vendor-docs.html>

If you have any questions, please contact the CARLI Office at [support@carli.illinois.edu](mailto:support@carli.illinois.edu).