

Instructions for updating Oracle ODBC components at MSU

Phase 1

Document Revision 1.5

Audience

This document is targeted toward anyone currently utilizing the Oracle ODBC driver version 7.3 for any third-party programs such as MS Access and Crystal Reports for use in ad-hoc reporting of data derived from the MSU Banner database.

About

From the earliest days of Banner at MSU, people out in the user community have used a handful of third party tools to extract data from the Banner database for ad-hoc reporting needs. To facilitate this, Oracle client components, specifically the version 7.3 ODBC driver, was provided. It has since continued to function adequately to meet the needs of our reporting community. However, the database software – the software ODBC connects to – has evolved to such an extent that it is essential to make necessary updates to the ODBC software as outlined in this document. To provide a couple examples of issues we're now facing, the version 7.3 driver was designed before the advent of Oracle's Real Application Cluster (RAC) database. The legacy 7.3 driver does not consistently work correctly in this environment. Additionally, the mandated change to the UTF8 character set is also something conceived and designed after the 7.3 driver's release. UTF8 allows for characters in Banner that the version 7.3 ODBC driver does not translate correctly when gathering reporting data. For data integrity reasons, this is unacceptable, and as such, we are providing the necessary instructions and software to update workstations for people who need it.

This transition is currently proceeding in two phases. In phase 1 (this document), we are augmenting workstations to **add** the version 10.2 ODBC driver while maintaining the existing version 7.3 ODBC driver as a legacy reporting safe-guard. Users are encouraged and expected to test legacy reports with the version 10.2 driver and while changes may not be necessary, users should make updates and adjustments as required. In phase 2, once the UTF8 character set goes live in production, we will **remove the version 7.3 ODBC driver** in its entirety.

Installation

Installation procedures vary from campus to campus. While a recommended set of software and an installation method is provided by folks within the Bozeman campus I.T. department, it is the folks on each of the separate campuses who ultimately determine the best method to use for roll-out based on their own unique needs and resources available.

MSU-Billings

The Oracle ODBC software update is handled on a case-by-case basis by the Information Technology department. Please contact them for assistance (helpdesk@msubillings.edu, 247-5700).

MSU-Bozeman, Great Falls, and Northern

The Oracle ODBC installation (beginning at [Installation Steps](#) below) will make the following changes to your workstation:

- The workstation will have a persistent network drive mapping. In this case, the “U:” drive will be mapped to one of the following servers (depending on campus):
 - Bozeman:** <\\helene\banner>
 - Great Falls:** <\\pluto\banner>
 - Havre:** <\\rigel\banner>
- The necessary registry settings will be added for the Oracle ODBC components to work properly.
- The following location will be added to the Windows system path in front of the previous ODBC location:
U:\oracle\product\10.2.0\client_1\bin will be added to in front of **U:\ora6i\bin**

Once those requirements are met, people can make use of the “**banner**” system DSN to utilize the version 7.3 ODBC driver, and “**Banner8**” to utilize the version 10.2 ODBC driver.

The actual installation is accomplished for the majority of users by executing a command via the following steps within Windows.



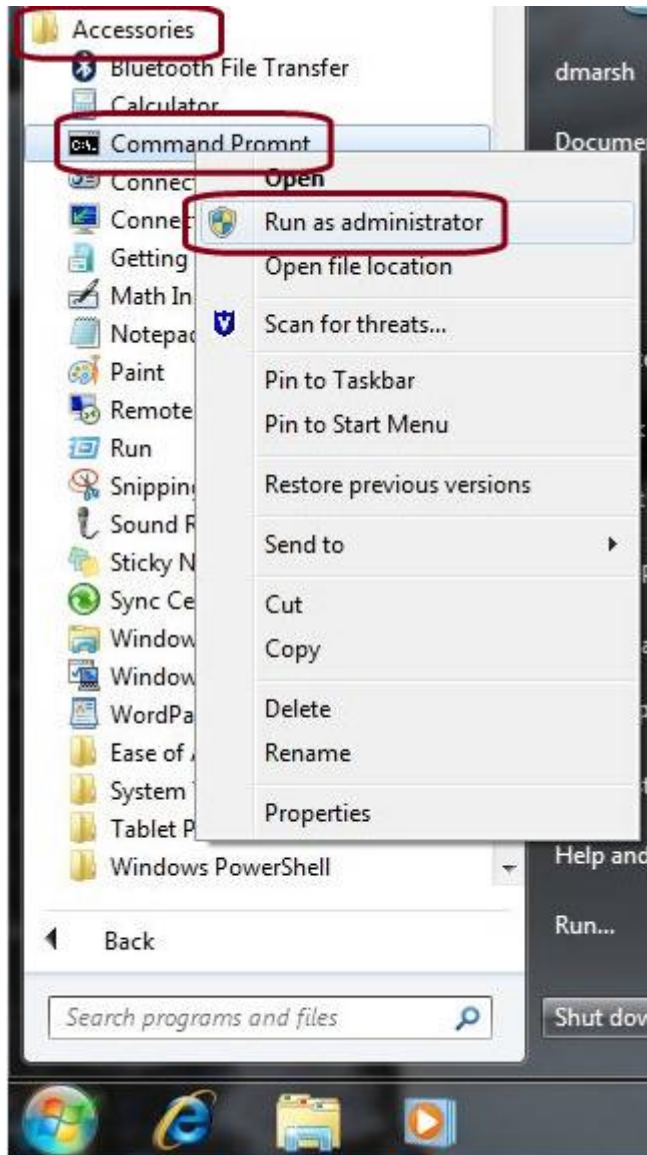
Additional notes specific to Windows **Vista** and Windows **7** will be clearly marked.

Installation Steps

1. Click on the “Start” button, select “All Programs”, “Accessories”, then select “Command Prompt”.



Windows Vista and Windows 7 users (**NOT Windows XP**) need to **right-click** on “Command Prompt” and select “Run as administrator”. The installation will not work correctly if this is skipped.

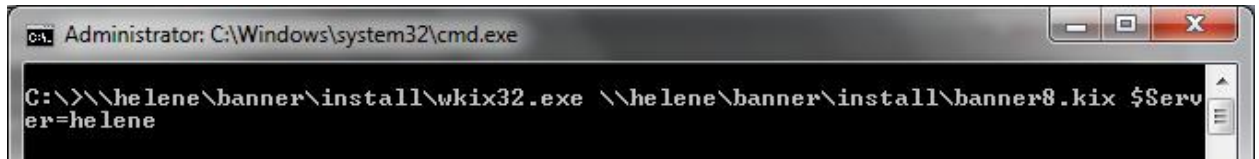


- When the command prompt opens, type in the command to begin the installation, then hit the “Enter” key. Please use **ONLY** the command specific to the campus you are on:

BOZEMAN

The command is:

```
\\helene\banner\install\wkix32.exe \\helene\banner\install\banner8.kix $Server=helene
```



A screenshot of a Windows command prompt window titled "Administrator: C:\Windows\system32\cmd.exe". The command prompt shows the command: `C:\>\\helene\banner\install\wkix32.exe \\helene\banner\install\banner8.kix $Server=helene`. The command is entered on a single line.

GREAT FALLS

The command is:

```
\\pluto\banner\install\wkix32.exe \\pluto\banner\install\banner8.kix $Server=pluto
```

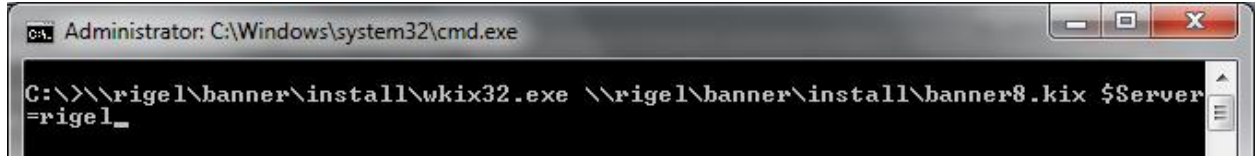


A screenshot of a Windows command prompt window titled "Administrator: C:\Windows\system32\cmd.exe". The command prompt shows the command: `C:\>\\pluto\banner\install\wkix32.exe \\pluto\banner\install\banner8.kix $Server=pluto`. The command is entered on a single line.

HAVRE

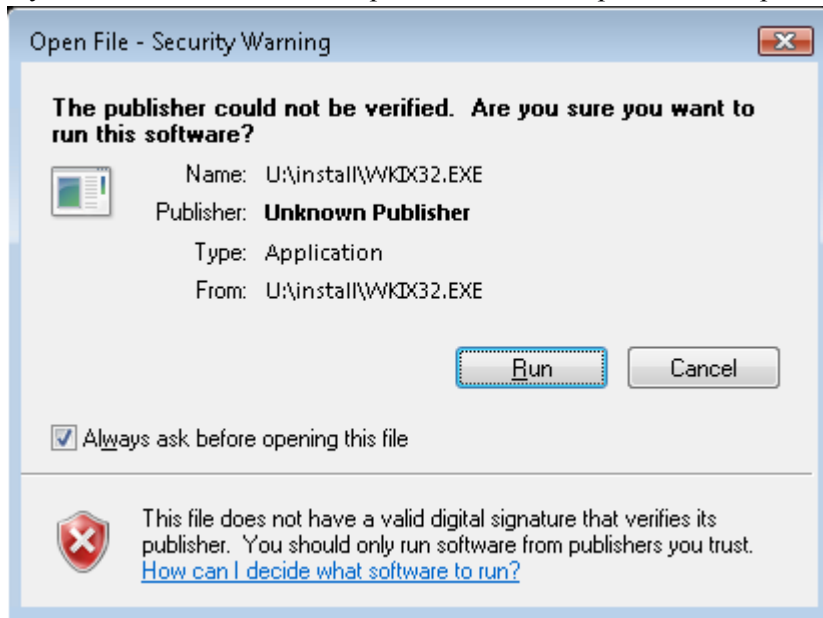
The command is:

```
\\rigel\banner\install\wkix32.exe \\rigel\banner\install\banner8.kix $Server=rigel
```

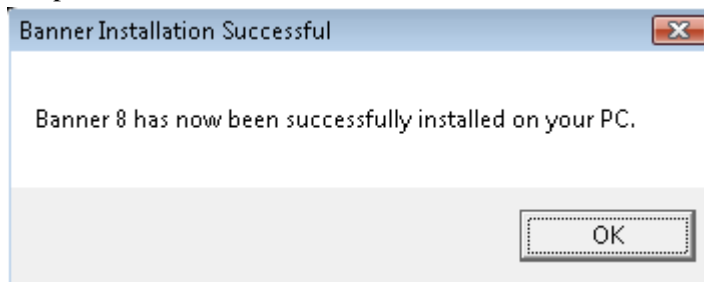


A screenshot of a Windows command prompt window titled "Administrator: C:\Windows\system32\cmd.exe". The command prompt shows the command: `C:\>\\rigel\banner\install\wkix32.exe \\rigel\banner\install\banner8.kix $Server=rigel`. The command is entered on a single line.

- Depending on your version of Windows, you may or may not see the following security warning. If you do see it, click “Run” to proceed, otherwise proceed to step 4.



- You should now see the following success confirmation box. Click “Ok”, and the installation is complete.



If you should see any error messages throughout the installation, please contact your campus helpdesk for assistance (contact information provided below).

Helpdesk Contact Information

MSU-Billings

e-mail: helpdesk@msubillings.edu

phone: 247-5700

MSU-Bozeman

e-mail: helpdesk@montana.edu

phone: 994-1777

MSU-Great Falls

e-mail: helpdesk@msugf.edu

phone: 771-4433

MSU-Northern

e-mail: itstech@msun.edu

phone: 265-3765