



MapInfo Professional 10.5.2 Release Notes

This document provides information on new and enhanced features that have been introduced into MapInfo Professional since version 10.5. It also contains sections on resolved customer issues and some remaining known issues that are important for users to be aware of.

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Upgrading MapInfo Professional

Your computer must be connected to the Internet to download the 10.5.2 Maintenance Release.

You may install this Maintenance Release provided one of the following products is already installed:

- MapInfo Professional 10.5 or 10.5.1
- MapInfo Professional Runtime 10.5 or 10.5.1

If you have more than one of these products installed, the installer will upgrade them at the same time. You do not need to run this installer multiple times.

To upgrade MapInfo Professional to version 10.5.2 Maintenance Release:

1. Create a temporary folder on your hard drive, such as C:\temp\mipro1052.
2. From the MapInfo Professional Main menu, select **Help > Check for Update**. The Maintenance Releases for MapInfo Professional web page displays.
3. On the web page, click the download link to display the **File Download** dialog box.
4. Choose the **Save** button and save the file to the temporary folder you created in step 2.
5. After the download is complete, double-click the executable file called **MapInfoProfessional10.5.2MaintenanceRelease.exe** to start the installation process. Follow the instructions to complete the upgrade.

It is important to wait until the installation completes. It may take some time.

64-bit Editions of Office 2010

Microsoft recommends installing a 32-bit version of Microsoft Office when you are dependent on using 32-bit applications that interact with Office. In this case, MapInfo Professional is 32-bit application that requires 32-bit drivers to work with Microsoft Office data, such as Access and Excel.

Microsoft offers detailed information at <http://technet.microsoft.com/en-us/library/ee681792.aspx>. This web posting includes the following recommendations for which edition of Office 2010 to install:

- If users in your organization depend on existing extensions to Office, such as ActiveX controls, third-party add-ins, in-house solutions built on previous versions of Office, or 32-bit versions of programs that interface directly with Office, we recommend that you install 32-bit Office 2010 (the default installation) on computers that are running both 32-bit and 64-bit supported Windows operating systems.
- If some users in your organization are Excel expert users who work with Excel spreadsheets that are larger than 2 gigabytes (GB), they can install the 64-bit edition of Office 2010. In addition, if you have in-house solution developers, we recommend that those developers have access to the 64-bit edition of Office 2010 so that they can test and update your in-house solutions on the 64-bit edition of Office 2010.

If you already have the 64-bit Microsoft Office driver installed, then MapInfo Professional 10.5.2 uses the Microsoft Office 2007 32-bit driver installed with MapInfo Professional 10.5. You can still work with Microsoft Access and Excel 2010, but you may see an error message if an incompatibility occurs.

If you want to install an Office 64-bit application after installing MapInfo Professional 10.5.2, you must remove the 2010 Access database engine that was installed with MapInfo Professional 10.5.2. Follow the instructions provided in the error message that you see from Microsoft:

Setup Error

You cannot install the 64-bit version of Office 2010, because you have 32-bit Office products installed. These 32-bit products are not supported with 64-bit installations:

Microsoft Access database engine 2010 (English)

If you want to install 64-bit Office 2010, you must uninstall all 32-bit Office products first, and then run setup.exe in the x64 folder. If you want to install 32-bit Office 2010, close this Setup program and either go to the x86 folder at the root of your CD or DVD and run setup.exe, or get the 32-bit Office 2010 from the same place you purchased 64-bit Office 2010.

To install the 64-bit Office 2010 application and then install the 32-bit Office 2007 driver:

1. From the **Start** menu, select **Control Panel** and then depending on your operating system select **Add or Remove Programs** or **Programs and Features**.
2. From the list, select the **Microsoft Access Database Engine 2010 driver** and click **Remove**.
3. Install the 64-bit Office 2010 application on your computer.
4. Install the 32-bit Office 2007 driver on your computer.

You can download this driver from: <http://www.microsoft.com/downloads/en/details.aspx?familyid=7554f536-8c28-4598-9b72-ef94e038c891&displaylang=en>

You can now open all versions of Access and Excel files until version 2007 (Office 12) without issue. You can still work with Access and Excel 2010 files, but you may see an error message if an incompatibility occurs.

Advanced Installation for System Administrators

This section is for the system administrator installing this Maintenance Release using a commandline, and the network system administrator installing this Maintenance Release across the network using a Microsoft Patch (MSP) file.

Upgrading in Silent Mode

To run the MapInfo Professional Maintenance Release installer in silent mode, from a command prompt, type:

```
MapInfoProfessional10.5.2MaintenanceRelease.exe /s /v"SILINST=True"
```

Where:

/s = runs the setup.exe silently

/v = passes the parameter "" into the setup.exe to suppress the GUI.

A progress dialog may display during the installation.

Vista and **Windows 7** users may see a prompt for permission to continue. Click **OK** to proceed.

Upgrading Using a MSP File

The MapInfo Professional Maintenance Release installer MSP file updates the English version of MapInfo Professional 10.5 or 10.5.1. It does not update MapInfo Professional Runtime, or the MapInfo PDF Printer. It does not install the Microsoft Office 2010 driver, which you must install separately and before upgrading MapInfo Professional.

Before you begin, you will need:

1. The MSP file, which is available on request from Technical Support, see <http://www.pbinsight.com/support/contact-support>.
2. The Microsoft Access 2010 database engine (32 bit version), which is available for download from Microsoft at: <http://www.microsoft.com/downloads/en/details.aspx?FamilyID=c06b8369-60dd-4b64-a44b-84b371ede16d&displaylang=en>

On **Vista** and **Windows 7**, install this Maintenance Release with elevated privileges. To do this, right-click on the Command-Line Interpreter (cmd.exe) and select **Run as Administrator** from the popup menu, then continue with the following instructions.

Install the Microsoft Office 2010 Driver

To install the Microsoft Office 2010 driver:

1. Close MapInfo Professional.
2. Install the Microsoft Access 2010 database engine (32 bit version).
3. Restart MapInfo Professional to have the change take effect.

Close MapInfo Professional and continue with the upgrade.

Upgrading MapInfo Professional 10.5 software

To run the Maintenance Release installer MSP file, type:

```
msiexec /p <path to the MapInfoProfessional10.5.2MaintenanceRelease.msp file>  
REINSTALL=ALL REINSTALLMODE=omus
```

Where:

/p = path to the **MapinfoProfessional10.5.2MaintenanceRelease.msp** file (include file name in path)

On **Vista** and **Windows 7**, a prompt for permission to continue displays. Click **Allow** or **Yes** to proceed (if you do not respond and the message times-out, then the upgrade is unsuccessful).

You can upgrade silently by adding a silent parameter switch to the command, such as /qb, /qn, /qr, or /q. For example:

```
msiexec /p <path to the MapInfoProfessional10.5.2MaintenanceRelease.msp file> /qb  
REINSTALL=ALL REINSTALLMODE=omus
```

Where:

/qb = to see a progress dialog at the end of the installation

MapInfo Professional 10.5.2 Release Notes

MapInfo Professional 10.5.2 is a cumulative update that includes everything that was updated with 10.5.1 plus additional fixes. This section describes these additional fixes..

Issue Number	Description and Resolution
MIPRO-13362	<p>MapInfo Professional 10.5.1 is not saving workspaces properly with Access tables that are pre-version 2007; the open table statement is truncated.</p> <p>Resolution: Fixed. Workspace version is no longer dependent upon the tab versions of Access and Excel tables, so that versions do not upgrade to 10.5 for workspaces created with Access or Excel 2010 tables in MapInfo Professional 10.5.</p>

Opening 10.5.1 Workspaces that contain only Microsoft Access Files

Workspaces saved in MapInfo Professional 10.5.1 that only contain Microsoft Access files (*.mdb only) do not open in MapInfo Professional 10.5.2, because they were saved with a truncated *Open Table* command.

To open this workspace in MapInfo Professional 10.5.2, do the following:

1. Open your 10.5.1 workspace file in a text editor.
2. Search for the statement beginning with “n Table”. It is located immediately after a version statement.
3. Replace “n Table” with “Open Table”.
4. Save the file.

The workspace now opens in MapInfo Professional 10.5.2.

MapInfo Professional 10.5.1 Release Notes

MapInfo Professional 10.5.2 is a cumulative update that includes everything that was updated with 10.5.1 plus additional fixes. This section describes the updates included from 10.5.1.

If you have already installed the 10.5.1 update, then this 10.5.2 update adds the fixes described under [MapInfo Professional 10.5.2 Release Notes on page 4](#) to your installation.

Support for Microsoft Office 2010

MapInfo Professional now supports Microsoft Access and Excel 2010 formats. The minimum operating systems and patches that support this driver are:

- Windows XP Professional Service Pack 3
- Windows Vista Service Pack 1
- Windows 7
- Windows 2008 Server R2, Windows 2008 Server Service Pack 2

Check the *MapInfo Professional Install Guide* for a list of operating systems and patches that MapInfo Professional supports.

Microsoft Warning for 64-Bit Version of Office

If you do not have Microsoft Office installed on your machine, then MapInfo Professional 10.5.1 installs a Microsoft Office 2010 32-bit driver, so that MapInfo Professional can open Microsoft Access and Excel 2010 files.

If you already have the 64-bit Microsoft Office driver installed, then MapInfo Professional uses the Microsoft Office 2007 32-bit driver that installed with MapInfo Professional 10.5. You can still work with Microsoft Access and Excel 2010, but you may see an error message if an incompatibility occurs.

 Microsoft strongly recommends using the 32-bit (x86) versions of Office 2010, Project 2010, Visio 2010, and SharePoint Designer 2010 applications as the default option for all platforms (including on a 64-bit operating system).

Refer to [MapInfo Professional 10.5.2 Release Notes on page 4](#) for more details.

Performance Improvements Accessing DBMS Tables

This update improves performance when accessing remote databases:

- SQL Server 2008 users will see a dramatic improvement when accessing large tables, because MapInfo Professional now automatically uses the Multiple Active Result Sets (MARS) connection with SQL Server tables.
- Save Copy As is now 2-3 times faster when you save tables as PostGIS tables and 20 times faster when you save as SQL Server tables.
- Operations that use the cache, such as Find and creating or modifying a thematic map, have a significant performance gain on large data sets that have more than several thousand records. These operations could be 2-3 times faster on first use, even though data needs to be cached, and as fast as working with a native table on subsequent use.

Database performance depends upon a number of factors, such as server capacity, data bandwidth, and size of data being retrieved.

Accessing Large DBMS Tables Live with Cache

When you access large DBMS live with CACHE ON, MapInfo Professional stores the data in a progressive way (the contents of the cache grow as you zoom and pan the map). MapInfo Professional 10.5 closes unexpectedly when cache files exceeded the 2 GB system limit.

Prior to this release, MapInfo Professional used to close unexpectedly when one of the data files reached the limit of 2 GB. This MapInfo Professional update handles many of these cases to switch seamlessly to "live without cache" mode. However, in some cases it may still close unexpectedly when the file limit is reached. If this happens, you can work around it by:

- Closing and reopening the table.
- Restarting MapInfo Professional to clear the cache when panning and zooming a large table.
- Dividing the table you are working with, to make smaller tables.

Progress of Outstanding Issues

The following issues have been corrected for this maintenance release of MapInfo Professional.

Issue Number	Description and Resolution
C15857	<p>Raster Overrides for a Tile Server layer are applied to a new Mapper window.</p> <p>Resolution: Fixed.</p>
IN15122	<p>MapInfo Professional closes unexpectedly when working with a thematic after recalculating ranges using a Quantile method for Date and Time values.</p> <p>Resolution: Fixed.</p>
S10044	<p>When zooming in on a map, translucency disappears when the Statistics window covers Layout Frames.</p> <p>Resolution: Fixed.</p>
S10045	<p>Printing with PrintOSBM enabled in the registry produces thin polylines that appear very faint as a result.</p> <p>Resolution: Fixed. When printing using PrintOSBM method, one pixel lines now scale up to the correct size. Previously, one pixel lines would display very faintly, because they were very thin.</p>
S10058	<p>Layout templates are not creating a frame when a Dynamic Scale bar exists in the Map window.</p> <p>Resolution: Fixed.</p>
T21005	<p>A workspace read error occurs when saving a thematic map that is based on a Query table as Base or Join table.</p> <p>Resolution: Fixed. MapInfo Professional now writes dynamically added columns to the workspace when the columns are in query tables.</p>
T26821	<p>The Info Tool fails to return a complete set of results.</p> <p>Resolution: Fixed.</p>
T28001	<p>The Layout Templates tool is looking for the TEMPLATE.TAB file in the wrong place.</p> <p>Resolution: Fixed.</p>
T28396	<p>The Update Column statement updates the whole column when the ending double quotes are missing.</p> <p>Resolution: Fixed. When the closing end quote was missing in the command, MapInfo Professional would generate a warning and execute the command. Now MapInfo Professional generates an error and does not execute the command.</p>
T28434	<p>MapInfo Professional does not open GeoTIFF correctly, it displays in grayscale when it should be in color.</p> <p>Resolution: Fixed. A provision was added to MapInfo Professional to check a GeoTIFF file to determine if it is in RGB or Grayscale and then display it accordingly.</p>
T28782	<p>Message window text truncated when saving a Layout window as an image.</p> <p>Resolution: Fixed.</p>
T28854	<p>After enabling enhanced rendering, points that are placed on top of a grid file shift. This happens when zooming in very close on a raster image, which would cause each raster image pixel to display at a larger size.</p> <p>Resolution: Fixed.</p>
T29236	<p>The map does not display after turning on clip region while Enhanced Rendering is set to on.</p> <p>Resolution: Fixed. Internally, Polygon Mode is now set to off when creating polygons for clip regions. When polygon mode was set to on, it could create polygons that do not convert to a clip region, which would then cause the entire map to display blank.</p>

Issue Number	Description and Resolution
T29238	<p>Object selection is not rendered correctly on a screen. When an object is unselected edit handles are drawn around it.</p> <p>This issue occurs when copying and pasting an object from an editable layer that has Enhanced Rendering set to off and the layer has a theme with Replace Layer Style turned on. As a result, the edit handles are not drawn. Changing the selection may cause the edit handles to appear or disappear at the wrong time.</p> <p>Resolution: Fixed.</p>
T29315	<p>Opening a MBX through a hotlink is slower on VISTA than on Microsoft XP.</p> <p>Resolution: Fixed. This fix also improves the speed of opening a .TAB or a .WOR file through a hotlink on XP.</p>
T29457	<p>Selecting Save Window As with a custom size does not resize all layers or features. As a result, exporting a map to smaller size with symbols in it does not resize the symbols.</p> <p>Resolution: Works as designed. This behavior is by design, so that symbols do not go away when resizing a map window, zooming out of a map, or saving a map to a bitmap after making it smaller. This issue will be considered as a new feature request.</p>
T29591	<p>MapInfo Professional does not recognize the default Find symbol after changing it to something else.</p> <p>Resolution: Fixed.</p>
T29738	<p>When displaying a thematic layer on the map, a node may not display on the map after moving it.</p> <p>This issue occurs when drawing selected, editable, objects while Enhanced Rendering is off and the object is from a layer that has a theme using Replace Layer Style. Edit handles and/or reshape nodes may not draw at the correct time, making them appear at the wrong time or not appear when they should be shown. Moving a node causes reshaped nodes to disappear.</p> <p>Resolution: Fixed.</p>
T29744	<p>Saving/Removing the default theme view does not store the change when applied through the Layer Control.</p> <p>Resolution: Fixed.</p>
T29745	<p>Nodes persist in the Thematic layer after removing them in the underlying layer.</p> <p>This issue occurs when displaying nodes for a layer that has a theme associated with it and the theme uses Replace Layer Style on. Toggling Show Nodes for a layer on/off may result in either nodes displaying when they should not or not displaying when they should.</p> <p>Resolution: Fixed.</p>
T29766	<p>Grid layers misalign in a Map window with translucency set to on.</p> <p>Resolution: Fixed.</p>
T29769, T29783	<p>Reshape feature does not show region nodes correctly.</p> <p>Resolution: Fixed.</p>
T29806	<p>The Layout Templates tool generates an error message of "Found [] while searching for [bounds]"</p> <p>Resolution: Fixed. There was an issue with how MapInfo Professional would detect the type of coordinate system as NonEarth.</p>
T29850	<p>After making changes and then clicking the Cancel button in the Layer Properties dialog box, style overrides for a Tile Server layer do not revert back to their original style.</p> <p>Resolution: Fixed.</p>

Issue Number	Description and Resolution
T30106	<p>Docking tool bars and the Layer Control window affects Window positions.</p> <p>Resolution: Fixed.</p>
T30107	<p>The label placement control for Label Display does not highlight the selected button.</p> <p>Resolution: Fixed.</p>
T30135	<p>Aggregate queries do not appear in the Table List window.</p> <p>Resolution: Fixed.</p>
T30187	<p>Setting the Background checkbox and setting the region style color for new objects did not reflect correctly in the draw operations. Also, after selecting the Background check box and then reopening the Region Style dialog box, the Background check box was not checked.</p> <p>Resolution: Fixed.</p>
T30245	<p>When combining objects in the same table, the resulting combined object does not have the same style as either of the objects being combined. Instead, the combined object uses the default style.</p> <p>Resolution: Fixed.</p>
U11716	<p>MapInfo Professional closes unexpectedly when saving a file to a full disk.</p> <p>Resolution: Fixed. MapInfo Professional now halts the procedure and displays an error message when the disk is full.</p>

Progress of Outstanding Issues: Layer Control

Issue Number	Description and Resolution
IN15542	<p>MapInfo Professional closes unexpectedly after double-clicking a thematic layer in the Layer Control.</p> <p>Resolution: Fixed.</p>
T29416	<p>Selecting several group layers in the Layer Control list and then right-clicking displays the pop-up (context) menu for a layer not for a group layer.</p> <p>Resolution: Fixed. The current release does not have context menu options that work on multiple group layers so, the correct context menu displays, but its options are disabled.</p>
T29710	<p>In the Layer Control window, raster translucency does not persist when style override is turned off and then turned on.</p> <p>Resolution: Fixed.</p>
T30190	<p>In the Layer Control, a legend does not retain the information set after toggling the layer display off and on with a grid thematic.</p> <p>Resolution: Fixed.</p>
T30260	<p>Opening a region table does not display it in the map window if there is a group layer in the Layer Control.</p> <p>This is due to a map redraw issue.</p> <p>Resolution: Fixed.</p>

Progress of Outstanding Issues: Accessing DBMS Tables and Web Services

Issue Number	Description and Resolution
C15868	<p>Some polygons appear to be missing after opening a SQL Server 2008 or Oracle table with Live Cache set to ON. This is occurs when panning and zooming a table that is open with a small default view.</p> <p>Resolution: Fixed.</p>
MIPRO-12339	<p>When accessing a Web Map Service (WMS) GetFeatureInfo returns incorrect results when raster re-projection is set on.</p> <p>Resolution: Fixed.</p>
MIPRO-12594	<p>When accessing a Web Map Service (WMS) the CentrusWMS layer and Bing maps do not line up. Everything lines up when using a WMS server with vector street data, but there is a shift between aerial imagery and parcel data after adding a Bing layer.</p> <p>Resolution: Fixed.</p>
T29409	<p>Live access from SQL Server 2008 is slow with a large table.</p> <p>Resolution: Fixed. To improve performance, the MARS connection setting is set to yes by default for all SQL Server Spatial 2008 connections. MapInfo Professional sets this when opening a new linked or live SQL Server Table. The setting is written to existing tab files when re-saving to the disk.</p> <hr/> <p> 1) A MARS connection does not work for SpatialWare tables—a connection that opens a SpatialWare table does not set MARS connections. 2) A MARS connection setting is only valid for SQL Native Client or SQL Server Native Client 10 ODBC drivers.</p> <hr/>
T29547	<p>Save Copy As is very slow when uploading a table of 100K records of Points to either SQL Server 2008 or POSTGIS.</p> <p>Resolution: Fixed. Save Copy As performance is dramatically improved: for an 8K table it may be five to eight times faster to upload to SQL Server 2008 and two times faster to upload to PostGIS.</p>
T30188	<p>WFS-T Integer values with more than four digits truncate to four digits when making insert and update transactions to a WFS-T server.</p> <p>Resolution: Fixed.</p>
T30191	<p>MapInfo Professional may close unexpectedly during a Web Feature Server (WFS) refresh when the WFS Preference Update Mapper Filters With Current Mapper is checked, a Mapper is present, and the name of the WFS table being refreshed is greater than 22 characters in length.</p> <p>Resolution: Fixed.</p>
T30201	<p>After reverting changes made to a Web Feature Service table (WFS-T), you can no longer edit the table—it is locked in read-only mode.</p> <p>Resolution: Fixed.</p>

Progress of Outstanding Issues: Labels and Styles

Issue Number	Description and Resolution
IN14229	<p>When creating new custom symbols with a specific style and then changing that style to create additional custom symbols the style icon displays blank in the Insert Style dialog (in the Layer Control click the Properties button and then in the Layer Properties dialog, click the Styles for New Objects button).</p> <p>Resolution: Fixed.</p>
IN14689	<p>Text style does not handle double byte characters and they display as garbled.</p> <p>Resolution: Fixed. MapInfo Professional now supports double byte languages with Expanded and All Caps styles.</p>
MIPro-12609	<p>It is difficult to select and edit labels on the map when the map is also in a Layout.</p> <p>Resolution: Fixed. The label override logic was too aggressive in determining whether there were changes to overrides and was clearing the label cache when it didn't need to.</p>
T27737	<p>Labels from offscreen objects overlap other objects.</p> <p>When an object is not visible in a map but its bounding box overlaps the map, then MapInfo Professional sometimes snaps the autolabel to a different visible object. This creates the appearance of overlapping labels.</p> <p>Resolution: Fixed in version 10.5 and tested in version 10.5.1.</p>
T29256	<p>There is a label position issue with "Label partial objects". When an object is off-screen, but it's minimum bounding rectangle (MBR) still overlaps with current view, then its label may drawn at a random position.</p> <p>Resolution: Fixed. MapInfo Professional now draws the label at the centroid.</p>
T29708	<p>Turning off style override for a raster layer causes the layer to improperly redraw styles.</p> <p>Resolution: Fixed.</p>
T30207	<p>Object labels that have a halo appear very grainy after turning on Enhanced Rendering.</p> <p>Resolution: Works as designed. Labels and text objects drawn with Enhanced Rendering set to on may appear grainy or rough especially if text displays with a halo. For best results when using Enhanced Rendering, select Map > Options from the menu and set the Smooth Text & Labels option to Anti-Alias. To save this setting as a preference, select Options > Preferences > Styles.</p>
T30211	<p>Translucent labels appear grainy, or rough, after applying the halo text style to it.</p> <p>Resolution: Fixed.</p>

Progress of Outstanding Issues: Tools

Issue Number	Description and Resolution
IN15425	<p>When working with the GELink tool, zooming out from a vector map and then exporting it to Google Earth as raster (as a KML image) does not open the map at its correct position in Google Earth.</p> <p>Resolution: Fixed. If zooming or panning beyond the Earth bounds, the exported KML image was not correct. Now, if the coordinates coincides with World bounds, then MapInfo Professional temporarily zooms the entire map before exporting the image. Otherwise, it exports the existing image.</p> <p>The GELink tool is available after selecting Tools > Tool Manager and then checking the GELink checkbox. To work with the North Arrow tool, select Tools > GELink.</p>
T29365	<p>When using the North Arrow tool, its brush style inherits the pen style choice set in the Region Style dialog box (available from the Options menu by selecting Region Style).</p> <p>Resolution: Not reproducible.</p> <p>The North Arrow tool is available after selecting Tools > Tool Manager and then checking the North Arrow checkbox. To work with the North Arrow tool, select Tools > North Arrow.</p>
T29382	<p>Objects are not exporting width in pixels to points properly as supported by Google Earth.</p> <p>Resolution: Fixed.</p>

Progress of Outstanding Issues: MapBasic

Issue Number	Description and Resolution
MIPRO-12525	<p>Toolbar jumps after an MBX error.</p> <p>Resolution: Fixed. Toolbar position and state does not change.</p>

Known Issues

MapInfo Error: Microsoft Jet Engine is not available...

The MapInfo Professional 10.5.1 .msp file does not install the Microsoft Office 2010 driver. If you run the .msp on MapInfo Professional 10.5 and do not run the Microsoft Office 2010 driver afterwards, you may see a message stating that the Microsoft Jet Engine is not available:

To correct this:

1. Close MapInfo Professional.
2. Install the Microsoft Access 2010 database engine (32 bit version), which is available for download from Microsoft at:
<http://www.microsoft.com/downloads/en/details.aspx?FamilyID=c06b8369-60dd-4b64-a44b-84b371ede16d&displaylang=en>
3. Restart MapInfo Professional to have the change take effect.

Microsoft Access Error: Unrecognized database format

MapInfo Professional 10.5.1 may not recognize the Microsoft Access 2010 (14.0) format and display an error message:

Microsoft Access Error: Unrecognized database format.

This may occur if Microsoft Office 2010 was installed on your computer first and then MapInfo Professional 10.5 was installed, which also installs a Microsoft Office 2007 driver. In this case, the MapInfo Professional 10.5.1 Maintenance Release does not install a Microsoft Office 2010 driver, because one is already detected in the system registry. Microsoft Office 2007 and 2010 drivers share the same GUID interface, so whichever driver is installed later is the one an application uses to open Microsoft Office files. As a result, MapInfo Professional 10.5.1 uses the Microsoft Office 2007 driver to open Access files and is unable to read Access 2010 (version 14.0) files even though the Microsoft Office 2010 driver is installed on your machine.

If you see this error message, repair your Microsoft Office 2010 driver installation by doing either of the following:

- Running the Microsoft Access 2010 application. If the Microsoft Office 2010 Suite is installed on your computer, it will repair and run the Microsoft Access 2010 database engine.
- Reinstalling the Microsoft Access 2010 database engine (32 bit version), which is available for download from Microsoft at:

<http://www.microsoft.com/downloads/en/details.aspx?FamilyID=c06b8369-60dd-4b64-a44b-84b371ede16d&displaylang=en>

Restart MapInfo Professional to have the change take effect.

Microsoft Access Calculated Field Data Type has Read Only Support

Microsoft Access 2010 introduces a new Calculated field data type that depends in some part on the entries in the permanent fields; it generates the information you require at run time.

MapInfo Professional 10.5.1 reads and displays Calculated field values correctly, but is unable to create or save the Calculated field data type.

Microsoft .NET 3.5 Leaves Temporary Files after Installing

The Microsoft .NET 3.5 install wizard may not remove all of its temporary files after the installation completes. This is a known issue when installing .NET to a Windows XP operating system. To clean up the temporary files, you must delete the temporary folder that remains after the .NET installation. The folder name is a random set of 18 numbers and characters, such as 1851056e8ca35c6a64, that is located under the drive with the most free space available at the beginning of the installation. If your computer has only one drive then it will usually be the C:\ drive on your installation machine.

Leaving the folder causes no adverse affects other than taking up space on your machine.

Microsoft Excel Mixed Data Type Columns Process as Text

When working with an Excel 2007 or Excel 2010 table in MapInfo Professional if there are mixed types of data in one column, such as float, text, date, and time, then MapInfo Professional treats all the data in the column as text. If MapInfo Professional treats the data type of the column as something other than text, this can be corrected by updating a Microsoft ACE (Access Connectivity Engine) registry key.

MapInfo Professional detects when an Excel 2007 or Excel 2010 table has a column with mixed data types using the ACE setting in the registry. This registry key is called *ImportMixedTypes* and is in the registry under:

32 bit systems:

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Office\14.0\Access Connectivity Engine\Engines\Excel

64 bit system:

HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Microsoft\Office\14.0\Access Connectivity Engine\Engines\Excel

It decides how to import mixed data; by default, it is set to text value. A secondary registry key called *TypeGuessRows* determines how many rows to scan for each column before the ACE decides that a column has mixed data types. A value of zero (0) scans all the rows to determine if a column has mixed data types. The default setting is eight (8) to scan eight rows.

To ensure that the data types of all columns are detected correctly, change the **TypeGuessRows** key in the registry to zero (0) as explained below.

 Scanning all of the rows by setting TypeGuessRows to 0 in a large spreadsheet can be slow.

Modifying the TypeGuessRows Option

Editing the registry requires Administrator privileges for the machine. If you do not have the required privileges, contact your System Administrator for assistance.

 This is not a MapInfo-specific setting. Changing the TypeGuessRows setting affects all applications that use ACE to open Excel files, such as Microsoft Access.

Before modifying the TypeGuessRows key in the registry, make a backup of the Excel registry keys and settings:

1. Close any programs that are running.
2. Choose **Start > Run** and type the command **regedit**. Click **OK** to display the Registry Editor window.
3. In the **HKEY_LOCAL_MACHINE** entry, navigate to one of the following:
32 bit systems:
Software > Microsoft > Office > 14.0 > Access Connectivity Engine > Engines > Excel
64 bit systems:
Software > Wow6432Node > Microsoft > Office > 14.0 > Access Connectivity Engine > Engines > Excel
4. Highlight the **Excel** folder and then select **File > Export**.
5. In the Export Registry File dialog, specify a location and file name to backup to and then click **Save**.
6. Continue to the next set of instructions to set the TypeGuessRows key.

To set the TypeGuessRows key:

1. Select **TypeGuessRows** and on the **Edit** menu click **Modify** to display the Edit DWORD Value dialog box.
2. In the Value data field, type **0** (zero) and click **OK**.

This option takes effect the next time MapInfo Professional opens.

 This issue is specific to Microsoft's Jet Database Engine. MapInfo Professional 10.0 and later uses Microsoft's Office-specific version of the Jet engine to access data from Excel 2007 tables. Microsoft has also proposed the above solution in their Knowledge Base for another symptom of this problem: <http://support.microsoft.com/default.aspx/kb/189897>.

Repairing MapInfo Professional from the .MSI File

On **Windows Vista**, **Windows 7**, and **Windows Server 2008**, the repair process fails using the .msi file when the Microsoft User Account Control (UAC) is turned on. Depending on the installation conditions one of two error messages displays and the repair stops:

You have MapInfo Professional running, please close it and run setup again.

Or

MDAC 2.8 cannot be installed on this machine. MDAC 2.8 requires any one of the following configurations...

To work around this issue, do one of the following three things:

- Shut off the UAC (this requires System Administrative privileges), reboot the machine, and rerun the repair.
- Run the original setup.exe file and then run the repair from maintenance mode.
- Run the installed copy of the MapInfo Professional 10.5.1.msi file as an administrator:

- a. Go to **C:\Windows\Installer** and search for the MapInfo Professional 10.5.1 **.msi** file. it will have a name similar to 8e95f1.msi, where the name is different for each machine.
- b. Go to **C:\Windows\System32** and find the **cmd.exe** file. Right click this file and select **Run as Administrator** (this may require an administrator password).
- c. Run the command **C:\Windows\Installer\<nameofMiPro10.5.msi>** and select **Repair** from maintenance mode.

Disabling User Account Control (UAC) on Windows 7 and VISTA

To disable UAC:

1. Launch MSCONFIG by from the Run menu.
2. In the System Configuration dialog box, click the **Tools** tab.
3. Scroll through the tools list to locate and then select **Disable UAC**.
4. Click **Launch**.
5. Click **OK** to close the dialog box.
6. Reboot the machine to have this change take effect.

After repairing MapInfo Professional, follow the previous steps to turn UAC on again. We strongly recommend this Windows security feature remain activate (remain turned on).