



# MapInfo Professional 11.0.3 Release Notes

This document provides information on new and enhanced features that have been introduced into MapInfo Professional since version 11.0. It also contains sections on resolved customer issues and some remaining known issues that are important for users to be aware of.

MapInfo Professional 11.0.3 is a cumulative update that includes everything that was updated with 11.0.1 plus additional fixes. You can apply this update to MapInfo Professional 11.0, 11.0.1, or 11.0.2.

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## Upgrading MapInfo Professional

Your computer must be connected to the Internet to download the 11.0.3 Maintenance Release.

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

- MapInfo Professional 11.0, 11.0.1, or 11.0.2
- MapInfo Professional Runtime 11.0, 11.0.1, or 11.0.2

If one or both of these products are installed, then the installer upgrades them at the same time. You do not need to run this installer multiple times.

To upgrade MapInfo Professional to version 11.0.3 Maintenance Release:

1. From the MapInfo Professional Main menu, select **Help > Check for Update**. The Maintenance Releases for MapInfo Professional web page displays.
2. On the web page, click the download link and follow your web browser's instructions for opening and running the patch file.  
(The file is called **MapInfoProfessional11.0.3MaintenanceRelease.exe** should you choose to save and run it later.)
3. Follow the instructions to complete the upgrade.

It is important to wait until the installation completes.

# Advanced Installation for System Administrators

This section is for the system administrator installing this Maintenance Release using a command line, 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:

```
MapInfoProfessional11.0.3MaintenanceRelease.exe /s /v"SILINST=True"
```

Where:

/s = runs the setup.exe silently

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

A progress dialog may display during the installation.

**Windows 7, Server 2008, and Server 2008 R2** users may see a prompt for permission to continue. Click **OK** to proceed.

## Upgrading Using a MSP File

The MSP file for the MapInfo Professional Maintenance Release only updates the English version of MapInfo Professional 11.0 or 11.0.2. It does **not** update:

- 11.0.1, you must first update to 11.0.2 and then to 11.0.3
- MapInfo Professional Runtime

Before you begin, you will need:

- The MSP file, which is available on the web. To download, go to <http://www.pbinsight.com/support/product-downloads/item/mapinfo-professional-v11.0.3-maintenance-release-msp>

On **Windows 7, Server 2008, and Server 2008 R2**, 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.

### **Upgrading MapInfo Professional Software**

To run the Maintenance Release installer MSP file, type:

```
msiexec /p <path to the MapInfoProfessional11.0.3MaintenanceRelease.msp file>  
REINSTALL=ALL REINSTALLMODE=omus
```

Where:

/p = path to the **MapInfoProfessional11.0.3MaintenanceRelease.msp** file (include file name in path)

On **Windows 7, Server 2008, and Server 2008 R2**, 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 MapInfoProfessional11.0.3MaintenanceRelease.msp file> /qb  
REINSTALL=ALL REINSTALLMODE=omus
```

Where:

/qb = to see a basic progress dialog during the installation

# Maintenance Release 11.0.3

This section lists the updates made since the 11.0.2 Maintenance Release. The 11.0.3 Maintenance Release is cumulative and includes all updates supplied with the 11.0.1 and 11.0.2 Maintenance Releases.

- **Improved Upgrade for Non-English Versions**
- **Improved Browser Sorting**
- **New Read Labels from a MWS (MapInfo Workspace File) into MapInfo Professional**
- **New Write Label Overrides into a MWS (MapInfo Workspace File)**
- **New Read/Write Translucency Settings for a MWS (MapInfo Workspace File)**
- **New Google Earth Enterprise Tile Server Support**
- **New Automatic Metadata Update when Using a Library Service**
- **Progress and Resolution of Outstanding Issues**

## Improved Upgrade for Non-English Versions

This update corrects the issue where a language-specific folder is left behind after uninstalling MapInfo Professional. As a result, the MapInfo folder (for example, C:\Program Files\MapInfo) is not removed.

## Improved Browser Sorting

Browser window sorting has been improved for this update. The Sort dialog box no longer opens a new Browser window. Instead, it sorts the existing Browser window.

To do a simple sort, which is only sorting by one column, click the column header and then choose the sort option that you want from a popup menu. After sorting, icons display at the top of the sort column(s) to provide visual confirmation of the sort.

If you save a workspace, the sort order is preserved.

### **Notes:**

If your workspace includes a sorted browser, then the workspace only opens in MapInfo Professional version 11.0.3 or later. To create workspace files that earlier versions of MapInfo Professional can open, clear the browser sort before saving the workspace. (To clear a browser sort, click a browser column header and then choose Clear from the popup menu.)

If you sort a Browser window and then edit that table, the Browser window may return to an un-sorted state. Specifically, any edit operation that adds new rows to the table causes the Browser window to un-sort, so that newly-added rows are visible at the bottom of the window. Note that this un-sorting can occur even if you add new rows in a different window (for example, if you add new rows by drawing new lines in a Map window). After adding a new row to the table, you can re-apply the sort to the Browser window.

## New Read Labels from a MWS (MapInfo Workspace File) into MapInfo Professional

This update adds support for reading basic label information from MWS files created in MapInfo Professional or MapXtreme's Workspace Manager.

The following is a list of label properties that can be read in:

- Label expression if it is a simple column identifier
- Font style
- Callout line style
- Label placement (center center; centre left, etc.)
- Label orientation (horizontal, rotated, curved)
- Label offset
- Label visibility including zoom range
- Label adjustments like discarding overlaps, labeling partially visible objects, etc.

- Custom labels – all properties

The MWS schema supports more options for labels than MapInfo Professional supports. Therefore, MWS files created with Workspace Manager may lose some label information when imported into MapInfo Professional.

MWS Element/Option	Description
LabelLayer Visibility	Label sources inherit the parent label layer visibility.
LabelSource Visibility	<p>If there are multiple LabelSources for one feature layer without zoom enabled, then the top visible label layer is added.</p> <p>If there are no visible label layers, then the top invisible label layer is added.</p> <p>If there are multiple LabelSources with zoom ranges, then one label layer is chosen as a base label layer and all others are added as label overrides.</p> <p>The logic for finding a base label is:</p> <ul style="list-style-type: none"> <li>• When there are visible layers without zoom range, set the top visible layer without zoom range as a base layer</li> <li>• Or else when there are visible layers with zoom range, set the last visible layer with zoom range as a base layer.</li> <li>• Or else when there are no visible layers, set the top non-visible layer without a zoom range as the base layer</li> <li>• Or else set the last non-visible layer with zoom range as the base layer.</li> </ul> <p>Other label layers are added as label overrides when:</p> <ol style="list-style-type: none"> <li>1. They have zoom range information and zoom ranges are enabled.</li> <li>2. The ranges are not completely within any previous label override's zoom ranges.</li> </ol> <p>If the range intersects (but not completely within) all previous override ranges, then the label override is added; in this case, ranges are modified to not override previous label overrides. If the range is wider on both ends, then two overrides are added instead of one.</p> <p>The base label zoom is the union of all override zoom ranges.</p>
LabelProperties LabelVisibility	<p>This is on the AutoLabel tab in the Workspace Manager.</p> <p>The “Create labels automatically” option in the Workspace Manager maps to auto labels On/Off (“Label Auto On/Off” in MapBasic).</p> <p>There is no direct mapping of the zoom range in MapInfo Professional, so this is ignored.</p>
Modifier Edited Labels (LabelSelectionTheme Visibility)	Visible custom labels are imported into MapInfo Professional. Only the custom labels that are visible are imported.
Thematic Modifier	No mapping; there is no support for label themes.

## New Write Label Overrides into a MWS (MapInfo Workspace File)

This update adds support for writing label overrides into MWS files created in MapInfo Professional or MapXtreme's Workspace Manager.

Label override information is written as additional *LabelSource* XML elements within one *LabelLayer* XML element. The base label layer information is added as the last *LabelSource* element. (Previous releases added label layers allowing overlaps within a separate *LabelLayer* element.)

The following rules apply when writing label information to a MWS:

- All overrides inherit the *Auto* property from the base label layer.
- If the base layer is invisible, then all label overrides are set as invisible in the MWS workspace, so that MapInfo Professional and MapXtreme can read the workspace properly.

## New Read/Write Translucency Settings for a MWS (MapInfo Workspace File)

This update adds support for reading and writing translucency setting in MWS files. This includes Layer Translucency, Style Override Translucency, and Label Translucency settings.

The MWS schema supports more options for translucency settings than MapInfo Professional supports; the MWS Schema translucency factor is set at the geometry level, and the MapInfo Professional translucency settings are for the entire layer. If you divide a Region object into Area and Line (Border) geometries, a MWS Schema applies independent translucency for each geometry, and MapInfo Professional treats the whole region as one layer with only one translucency setting for the region. As a result, the translucency setting for a MWS file in MapInfo Professional is adjusted to fit the MWS schema.

Saving (writing) a MWS File from MapInfo Professional with a translucency setting:

- While writing translucency setting for a layer to a MWS file, MapInfo Professional writes the translucency setting to all the underlying geometry objects of the layer in the MWS file. If there is a region object in a layer then the setting gets written to both its Area and Line (Border).

Opening (reading) a MWS File from MapInfo Professional with a translucency setting:

- The MWS schema translucency setting is at the geometry level, so the first geometry that has a translucency setting is used as the translucency setting for that entire layer in MapInfo Professional.

Saving a file with a translucency setting from MapInfo Professional writes the same setting to all geometry layers.

Saving a MWS file from other Pitney Bowes software products that support the MWS workspace format, such as a MapXtreme.NET's Workspace Manager, and that support separate geometry level settings may not display as expected. Opening a MWS file in MapInfo Professional that has different translucency settings for each geometry object in the layer causes MapInfo Professional to use the first translucency setting for that layer to the entire layer. MapInfo Professional ignores all other geometry translucency settings for that layer.

Consequently, how translucency displays depends on the product. MapXtreme.NET supports translucency settings for each geometry in the layer for example. Opening this file in MapInfo Professional causes MapInfo Professional to apply only one translucency to the entire layer and ignore all other translucency settings.

## New Google Earth Enterprise Tile Server Support

The MapInfo Professional 11.0.3 update adds support for Google Earth Enterprise Tile Servers. If you have access to a Google Earth server, then you would create TAB and XML files for each Google layer that you wish to use. There is no support for a public Google server; this feature lets you get data from a private Google Earth Enterprise Server.

A **Google Earth Enterprise Tiling Server** can contain image tiles for one or more layers. The tiles can be based on image or vector data. The URL to request individual tiles uses a slightly different format for Imagery versus Vector data requests. This impacts the <url> in the XML file. The data can be in two different projections.

A tile server can contain one or more layers (**Tile Server Layers**). Each tile server layer has its own information, including and not limited to: ID, label, version, type of data/request. Each tile server layer corresponds to a single MapInfo Table/Layer.

Google Enterprise supports two **projections**: flat and Mercator. This impacts the Coordsys clause in the TAB file (including the Bounds, which are different for flat and Mercator projections).

To use a Google server as a tile server within MapInfo Professional, you must have a TAB and XML file. This corresponds to one layer on the tile server. You can open and use the TAB file in MapInfo Professional just like any other tile server table. Currently, there is no automatic way to generate these files. The following sections explain how to get information about the server and how to construct TAB and XML files for your specific server.

## Getting Information about a Tile Server

This section explains how to issue a command to get information about a server.

Sample web request to get server definition:

```
<Google tile server>/query?request=Json&vars=geeServerDefs
```

Actual request to get server definition:

```
http://gmdemo.keyhole.com/query?request=Json&vars=geeServerDefs
```

Specific items to look at in results of geeServerDefs request:

```
projection : "flat",
```

In the "layers : " section, for each layer:

```
id : 1029,  
requestType : "ImageryMaps",  
version : 20
```

## Building a TAB file

There are two TAB file variations for a Google server based on the Google projection: flat and Mercator. It's important that the name of the "File" in the TAB matches the name of the XML file.

### *TAB File for Flat Projection*

The Google flat projection corresponds to the MapInfo Longitude / Latitude (WGS 84) coordinate system. It is shown in geeServerDefs as:

```
projection : "flat",
```

Sample TAB file for Flat Projection:

```
!table  
!version 1050  
!charset WindowsLatin1
```

#### Definition Table

```
File "Google_Flat_Projection.xml"  
Type "TILESERVER"  
CoordSys Earth Projection 1, 104 Bounds(-180, -180) (180, 180)  
RasterStyle 4 1  
RasterStyle 7 0  
RasterStyle 9 1
```

The RasterStyle clauses are optional. They are suggested for tiles that are based on vector data (requestType: "VectorMapsRaster"). They are provided to make pixels in the tile server images transparent by default, by determining the transparent color from each image tile. For image based data (requestType: "ImageryMaps"), the RasterStyle tags may not be appropriate.



The RasterStyle clauses are optional. They make black pixels in the tile server images transparent by default.

### *TAB File for Mercator Projection*

The Google Mercator projection corresponds to the Popular Visualization CRS coordinate system. It is shown in geeServerDefs as:

```
projection : "mercator",
```

Sample TAB file for Flat Projection:

```
!table
```

```
!version 1050
!charset WindowsLatin1
```

### Definition Table

```
File "Google_Mercator_Projection.xml"
Type "TILESERVER"
CoordSys Earth Projection 10, 157, "m", 0 Bounds (-20037508.342789244, -
20037508.343038857) (20037508.342789244, 20037508.343038857)
RasterStyle 4 1
RasterStyle 7 0
RasterStyle 9 1
```

The RasterStyle clauses are optional. They are suggested for tiles that are based on vector data (requestType: "VectorMapsRaster"). They are provided to make pixels in the tile server images transparent by default, by determining the transparent color from each image tile. For image based data (requestType: "ImageryMaps"), the RasterStyle tags may not be appropriate.

---

 The RasterStyle clauses are optional. They make black pixels in the tile server images transparent by default.

---

### Building an XML File

There are two XML file variations for a Google server. The variation is based on the tile request type (image or vector). One major difference is how the tile requests are made (X/Y/Z versus Level/Row/Column).

#### **XML File for Imagery Requests**

This imagery request is denoted in the geeServerDefs as:

```
requestType : "ImageryMaps",
```

Sample XML file for imagery maps:

```
<?xml version="1.0" encoding="utf-8"?>
<TileServerInfo Type="LevelRowColumn">
<Url>http://gmdemo.keyhole.com/
query?request=ImageryMaps&channel=1029&version=20&x={ROW}&y={COL}&
p;z={LEVEL}</Url>
<MinLevel>1</MinLevel>
<MaxLevel>23</MaxLevel>
<TileSize Height="256" Width="256" />
</TileServerInfo>
```

---

 The server URL, channel, and version parameters vary depending on the server and layer.

---

#### **XML File for Vector Map Requests**

This vector request is denoted in the geeServerDefs as:

```
requestType : " VectorMapsRaster",
```

Sample XML file for vector maps:

```
<?xml version="1.0" encoding="utf-8"?>
<TileServerInfo Type="LevelRowColumn">
<Url>http://gmdemo.keyhole.com/
query?request=VectorMapsRaster&level={LEVEL}&row={COL}&col={ROW}&cha
nnel=1005&version=4</Url>
<MinLevel>0</MinLevel>
<MaxLevel>23</MaxLevel>
<TileSize Height="256" Width="256" />
```

```
</TileServerInfo>
```

---

**i** The server URL, channel, and version parameters vary depending on the server and layer.

---

## XML Parameters for Server and Layer

There are parameters that are in common for both imagery and vector requests. These parameters relate to the server and layer. In the XML file, the <Url> also contains the following.

### Specifying Server

The server is specified by the first part of the <Url>, such as:

```
<Url>http://gmdemo.keyhole.com/  
query?request=VectorMapsRaster&level={LEVEL}&row={COL}&col={ROW}&channel=1005&version=4</Url>
```

### Specifying Layer and Version

The particular layer from the server is specified by the channel and version:

```
<Url>http://gmdemo.keyhole.com/  
query?request=VectorMapsRaster&level={LEVEL}&row={COL}&col={ROW}&channel=1005&version=4</Url>
```

The channel can be found from the id in the geeServerDefs:

```
{  
  icon : "icons/road_yellow_1.png",  
  id : 1005,  
  initialState : true,  
  isPng : true,  
  label : "Labels",  
  lookAt : "none",  
  opacity : 1,  
  requestType : "VectorMapsRaster",  
  version : 4  
}
```

---

**i** The version may change over time. If it changes, you must update the XML file to the correct version number.

---

## New Automatic Metadata Update when Using a Library Service

MapInfo Professional seamlessly works with MapInfo Manager through Library Service. A Library Service lets you access the metadata records published in MapInfo Manager.

### Effect of a Metadata Update

The automatic metadata update feature updates the date and time of the managed table's metadata in MapInfo Manager. It also updates the bounds in metadata with respect to new data saved by a user in a managed table. Updating the bounds in the metadata helps while searching managed records within a map or drawing bounds on a map using the Catalog Browser.

---

**i** To properly show updated metadata in the Catalog Browser's records, refresh the records in the Catalog Browser by searching again in the MapInfo Manager exposed catalog that you are working with.

---

## Managed Table's Metadata Update

A table managed by the MapInfo Manager library is called a Managed Table. When saving edits made to a managed table, its metadata is updated automatically using Library Service. This feature is active when running MapInfo Professional with MapInfo Manager integration mode set to **Catalogs and Library**. For details about Managed Tables, see the help topic *Working with MapInfo Manager Library Services*.

If you are not running MapInfo Professional in **Catalogs and Library** mode, then the metadata update feature is disabled.

## Activating Library Service Mode

You can activate the Library Service by setting the MapInfo Manager Integration mode to **Catalogs and Library** by selecting **Options > Preference > Web Service > Library Services**. For details about enabling the Library Services, see the help topic *Setting the Library Services Preferences*.

After setting the Library Services preferences to **Catalogs and Library**, the Table List window shows the status of the tables and if they are managed or not by the MapInfo Manager library.

## MapInfo Operations Triggering Automatic Metadata Update

### *Saving Recent Edits to Managed Table*

A metadata update occurs automatically when you commit edits back to a table.

### *Changing Structure of a Managed Table*

A metadata update occurs automatically when changing the structure of a managed table by performing following operations:

1. Adding fields to a table
2. Removing fields from a table
3. Changing the order of fields
4. Adding indexes to a table
5. Removing indexes from a table
6. Adding a map to a table
7. Dropping a map from a table

## Known Issues

**MIPRO-20821:** Renaming a table using **Table > Maintenance > Rename Table** does not reflect the new name in the Catalog Browser. This renamed table gets reflected as a managed table in the table list, but a metadata update will not be successful while editing it.

**MIPRO-20449:** An automatic metadata update is not applied to a packed table, because a table does not remain managed after being packed. A table should preserve the table ID while packing.

## Progress and Resolution of Outstanding Issues

Issue Number	Description and Resolution
MIPRO-10814	<p>Importing an Excel xlsx or xls file causes a decimal rounding error.</p> <p><b>Resolution:</b> System Limitation. This issue is system limitation and is not specific to Excel. The rounding approximation is been by the system using the floating point format specified by the IEEE 754 standard. For details please refer to:</p> <p><a href="http://en.wikipedia.org/wiki/Double_precision_floating-point_format">http://en.wikipedia.org/wiki/Double_precision_floating-point_format</a></p> <p><a href="http://en.wikipedia.org/wiki/IEEE_754">http://en.wikipedia.org/wiki/IEEE_754</a></p> <p>MapInfo Professional stores floating point values as doubles. A significant part of doubles do get normalized or round off to the nearest numeric limit. For doubles, the maximum relative rounding off error also known as machine epsilon is <math>2^{-53}</math> (1.1102230246251565404236316680908e-16).</p> <p>The following shows the behavior of the above stated information in context of this bug:</p> <ul style="list-style-type: none"> <li>• Expected value is 6438782.5999999900</li> <li>• Actual value received by MapInfo Professional is 6438782.5999999903</li> <li>• The difference in expected and actual values is <math>6438782.5999999903 - 6438782.5999999900 = 0.0000000003^*</math></li> <li>• The relative error for the expected value is <math>0.0000000003/6438782.5999999900 = 4.6592658680540084075643305807346e-17</math></li> </ul> <p>As we can see, the relative error for the expected value is lesser than the maximum rounding off error (1.1102230246251565404236316680908e-16) . Therefore, the rounding error is within the known rounding off range of double values and is not considered unusual.</p> <p>Machines do not have a way to represent the expected value as a double, so it treats both expected and actual values as the same. Running *Difference between the expected and actual value statements on a machine using double as the data type, results in a difference of zero (0). So there should be no issue so long as the machine is treating the value 6438782.5999999903 the same as 6438782.5999999900 while performing numerical calculations.</p> <p>Excel supports a maximum precision of 15 digits. When entering a value of 6438782.5999999900 (17 digits) in Excel, it actually stores this value as 6438782.59999999 with only 15 digits. In MapInfo Professional you can set the precision to 20 digits with 10 decimal places, so that the value stored in MapInfo Professional is 6438782.5999999903 (or 17 digits) instead of 6438782.5999999900. As already stated, there is no binary way to represent 6438782.5999999900 in doubles, which is why it is stored and displayed in MapInfo Professional as 6438782.5999999903.</p> <p>If Excel allows a precision of 17 digits instead of 15, then it must show the value as 6438782.5999999903 in edit mode. The value shown in Excel in display mode is shown by formatting the double values in to a string.</p>
MIPRO-12310	<p>Appending a table in an Oracle spatial database via OCI using EasyLoader default options causes a “Cannot create spatial index” error.</p> <p><b>Resolution:</b> Fixed. After appending data to a table, EasyLoader creates a spatial index with the same name as the existing one. Dropping the index before creating it fixed the problem.</p>
MIPRO-13134	<p>The error message “Invalid window number of 0” displays when using the North Arrow tool and closing a maximized window</p> <p>This issue occurs when working with the Catalog Browser.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-13315	<p>MapInfo Professional closes unexpectedly when using a custom application that calls an external (icon) DLL.</p> <p><b>Resolution:</b> Fixed.</p>

Issue Number	Description and Resolution
MIPRO-13625	<p>EasyLoader does not display the MAPINFO_MAPCATALOG table in PostgreSQL after creating it.</p> <p>The MapCatalog button was disabled if the mapinfo_mapcatalog table exists in the database.</p> <p><b>Resolution:</b> Fixed. The MapCatalog button is always enabled, so users can see the contents of the MapCatalog and unregister tables.</p>
MIPRO-17155	<p>Cannot upload a table with a spatial column to a case sensitive SQL Server 2008 database using EasyLoader.</p> <p>EasyLoader was generating an error, "Type Geometry is not a defined system type."</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-18268	<p>Non-English versions of EasyLoader incorrectly apply Append, Create, and Replace from the <b>Server Table Processing</b> drop-down list.</p> <p>The drop-down list for the <b>Server Table Processing</b> option shows Append, Create, and Replace options. This is an alphabetically sorted list and the list order varies depending on the language version of EasyLoader. Non-English versions of EasyLoader process these options as though sorted for the English language, so it appends when selecting the first item in the list and creates when selecting the second item in the list.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-18363	<p>EasyLoader adds space-bar characters to varchar field values when uploaded to SQL Server.</p> <p>After uploading data to SQL Server using EasyLoader, there is a space-bar character at the end of all varchar fields if the actual string length is less than the specified limit.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-18740	<p>EasyLoader inserts null MI_STYLE values.</p> <p>Prior to the fix, EasyLoader took contents of the style column in the first row that has a style and made it a default style. Then for each row it checked if the style is the same as the default one. If it was the same EasyLoader left the style empty for the current row. Then it wrote the default style in the MapCatalog. This approach works fine for tables, but not for database views. After making a view mappable in MapInfo Professional the default style could be different, but since the style is empty for the first geography it may appear differently than it would appear when opening the corresponding database table.</p> <p>The same problem could happen with a database table if it gets unregistered from MapCatalog and then registered again in MI Pro.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-19633	<p>Bing Maps: If a Map window in the layout is small, then the copyright statement extends outside of the bounds of the layout.</p> <p>The copyright statement is written at a fixed font size and is right justified. If it does not fit in the mapper frame in the layout, then it extends beyond the left side.</p> <p><b>Resolution:</b> Fixed. The font size now adjusts appropriately to contain the entire copyright notice within the map frame.</p>
MIPRO-19965	<p>EasyLoader ignores the table name case when uploading a table into a case sensitive SQL Server database.</p> <p>All table names are converted to upper case when uploading to a case sensitive SQL Server database.</p> <p><b>Resolution:</b> Fixed. The table name appears exactly the same as specified on the EasyLoader dialog</p>

Issue Number	Description and Resolution
MIPRO-20066	<p>The modal Layer Control dialog box takes longer to display when there are many maps open.</p> <p>When there are many map windows open with many layers in each window, the Layer Control dialog (invoked using Run Menu Command 801) takes a long time to display compared to opening the Layer Control window set to show only the active map.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-20756	<p>Some toolbars disappear when maximizing the map.</p> <p>Sometimes the Toolbar Options dialog does not show all of the toolbars. This happens after maximizing a window when there is at least one non-visible (hidden) toolbar.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-20775	<p>Map Symbols display as squares in MapInfo Professional.</p> <p>Under certain situations, the Symbol Style dialog displays squares in the Symbol picker. This happens when using custom fonts that have fancy style attributes, such as bold and italic.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-20828	<p>MWSReader fails when reading an MWS file when a FeatureLayer has an alias.</p> <p>This occurs when creating a map in MapXtreme.NET's Workspace Manager and renaming the Feature Layers. MapInfo Professional is unable to read the MWS properly, because MapInfo Professional does not assign multiple aliases to a single, open, TAB file (such as through Open Table &lt;tabfile&gt; As &lt;alias&gt;). All corresponding layers in MapInfo Professional display with the same name, even if they were given different names in Workspace Manager.</p> <p><b>Resolution:</b> Fixed.</p>

## Maintenance Release 11.0.2

This section lists the updates made since the 11.0.1 Maintenance Release. The 11.0.2 Maintenance Release is cumulative and includes all updates supplied with the 11.0.1 Maintenance Release.

### Progress and Resolution of Outstanding Issues

Issue Number	Description and Resolution
MIPRO-19962	<p>MapInfo Professional 11.0.1 maintenance release causes the Catalog Browser to display in English.</p> <p>After running the 11.01 maintenance release on a localized MapInfo Professional 11.0, the Catalog Browser displays in English and not in the local language. This occurs for all languages.</p> <p><b>Resolution:</b> Fixed.</p>

## Maintenance Release 11.0.1

This section lists the updates made since MapInfo Professional 11.0.

- [New minidump File](#)
- [Upgrade of FME from FME 2010 to FME 2010 SP4](#)
- [Known Issue with Documentation](#)

- **Progress and Resolution of Outstanding Issues**

## New minidump File

When MapInfo Professional closes unexpectedly, it now generates a binary file called minidump. Your Technical Support associate uses this file to investigate and fix the issue that caused the unexpected closure. Depending on what occurred, you may not need to provide sample data or access to your data.

MapInfo Professional saves the minidump file to your Temp directory (folder) under a subfolder called MIPRO (under C:\Temp\MIPRO for example).

**To browse directly to that folder location:**

1. From the **Start** menu select **Run**.
2. In the Run dialog box, in the **Open** text box, type **%temp%/MIPRO**.

The created file has a date and time stamp in its name in the format yyyy\_mm\_dd\_hh\_mn\_ss.dmp:

- yyyy – year
- mm – month
- dd – day
- hh – hour
- mn – minute
- ss: seconds

When reporting an issue to a Technical Support associate, please send this file with your report. Depending on what the issue is, this file will speed up the response time to your issue.

## Upgrade of FME from FME 2010 to FME 2010 SP4

The Feature Manipulation Engine (FME) has been upgraded to FME 2010 Service Pack 4 (SP4). Before this change, only TAB files of version 9.0 or earlier could be translated. With this change, you can translate MapInfo Professional TAB files of version 10.5 or earlier—you can now translate version 9.5, 10.0, and 10.5 TAB files (there are no TAB files labeled 11.0).

To translate TAB files using FME, select **Tools > Universal Translator**.

## Known Issue with Documentation

The What's New chapter in the MapInfo Professional 11.0 User Guide and Help System states that the "MapCAD tool includes new functionality for orthogonal points, scale, cumulative measurement line, and now has a resizable Info dialog box (the dialog ID is 19)." This is inaccurate, there is no resizable Info dialog box. The text should state that the "MapCAD tool includes new functionality for orthogonal points, scale, and cumulative measurement line".

## Progress and Resolution of Outstanding Issues

This section lists the cumulative update that includes everything that was updated with 11.0.1 plus additional fixes. The following issues have been corrected for this maintenance release. Also, see the following sub-sections: **Using the Catalog Browser**, **Geocoding**, **Printing**, **Using the Layer Control**, **Working with Data**, and **MapBasic**.

Issue Number	Description and Resolution
MIPRO-9188	<p>Wrong printout scale when printing from a Map window with defined scale, and Fit to Page and Centered on Window options.</p> <p>The Map Print Options dialog box shows one scale after picking "Fit to Page" and "Centered on Window", but the printout shows something different.</p> <p><b>Resolution:</b> Fixed. The dialog now displays the actual scale in use when printing with these options.</p>
MIPRO-10715 (T30214)	<p>An error displays for a thematic map with a long character field. (There is a limit of 130 characters for an individual thematic map.)</p> <p><b>Resolution:</b> Fixed. The field limit was increased to 254 characters from 130 characters.</p>
MIPRO-10813	<p>Reshaping objects while changing zoom with the mouse wheel does not work properly.</p> <p><b>Resolution:</b> Fixed the rubber band drawing issue during reshaping node operation with pan/zoom.</p>
MIPRO-11386	<p>The workspace packager does not copy the .HDR file when packaging a workspace with a .BIL raster.</p> <p><b>Resolution:</b> Fixed. The workspace packager tool now also copies the .hdr file.</p>
MIPRO-12044	<p>MapInfo Professional closes unexpectedly when searching for a TAB file (by selecting Options &gt; Preferences &gt; Directories) in a directory containing nested folders with long names.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-12319	<p>The Table List window does not refresh when a table type changes.</p> <p>The Table List window displays tables sorted by type, such as all linked tables in one group and all seamless tables in another group. When changing a table type, by unlinking a linked table or by turning a seamless table's seamless property on or off, the table list does not refresh.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-12586	<p>Characters have different rotations based on the Enhanced Rendering setting.</p> <p>When using a vertical font (fonts that start with "@" in MapInfo Professional's font picker and that have vertical character orientation), the characters incorrectly rotate in a window that has Enhanced Rendering turned ON. Vertical fonts are found with some Asian font sets, such as Japanese.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-12721	<p>The Scalebar.mbx tool does not work correctly on some non-English systems (displaying incorrect accented characters and sometimes not drawing the scale bar at all).</p> <p>Accented unit names, such as Mètres, are not displaying correctly and the scale bar is sometimes not appearing on the map if the map is not in the longitude-latitude coordinate system.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-13076 MIPRO-9989	<p>Duplicate labels print when the duplicate label option is turned off. Also, redrawing map makes some labels appear and disappear.</p> <p>Both issues occur after enabling the option to retry different positions when labels overlap.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-14004	<p>When in 24 hour mode, 12:05 converts to 0:05.</p> <p>When the locale time format is 24-hour, entering 12 as the hour in a text field results in 0 (so 12:05:00 becomes 0:05:00 for example).</p> <p><b>Resolution:</b> Fixed.</p>

Issue Number	Description and Resolution
MIPRO-15146	<p>When using the Combine operation, MapInfo Professional assigns an incorrect style (default style) to the combined object.</p> <p>Using the <b>Table &gt; Combine Objects Using Column</b> menu item or MapBasic's Objects Combine statement applies an incorrect style to the result of the combine operation. The resulting object should have the style of one of the objects being combined.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-16809	<p>Rendering issue in Layout window; sometimes the Layout window does not completely redraw after being uncovered by another window.</p> <p>This issue occurs when a Layout window contains the map for a Map window that partially obscures the Layout window. Changing the view in the Map window should also cause the Layout window to redraw its contents—even the portions that are hidden by the Map window—but instead, the hidden portion of the Layout window does not update.</p> <p>Portions of the Layout window may appear blank when this issue occurs in earlier versions.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-16829	<p>Multi-line labels are not respecting the All-Caps or Expanded options.</p> <p>As an example of this issue, when a label has multiple lines and the label is created using an expression with Chr\$(10) or Chr\$(13), then the All Caps and Expanded text effects in the Text Style dialog box are ignored.</p> <p><b>Resolution:</b> Fixed. Multiline labels can be capitalized and/or expanded.</p>
MIPRO-16904	<p>The Save dialog box pops up repeatedly upon saving a Thematic Map to a MWS workspace.</p> <p>You may see a prompt to save to a .wor file, which is based on your Layout, Legend, and Map preferences. If you save to a .mws file instead of a .wor file, you may see multiple prompts.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-17025	<p>The menu option <b>Table &gt; Maintenance &gt; Pack RDBMS Table</b> gives an error or sometimes freezes when choosing to pack graphic data only.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-17038	<p>Editing the X or Y radius values of an ellipse makes the ellipse extremely large.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-17288	<p>The MapInfo Professional Browser does not display derived fields from a SQL query.</p> <p><b>Resolution:</b> Fixed. Some MapBasic functions, such as ObjectInfo( ), use an indeterminate return type to return different types depending on the attribute request. The new Browser now takes this into account when determining column type and no longer omits these columns.</p>
MIPRO-17528	<p>Labels in a workspace (.WOR file) do not display with transparency and enhanced rendering.</p> <p>Display issues may occur for translucent text and/or labels when ClearType is set to ON in the Microsoft Control Panel. The default ClearType setting varies by operating system (XP does not have ClearType on and Windows 7 does have ClearType on by default). Also, this issue occurs when text smoothing is set to None (by selecting <b>Map &gt; Options &gt; Enhanced Rendering On</b> and Text Smoothing = <b>None</b>).</p> <p><b>Resolution:</b> Fixed. Text drawing has been changed so that text and labels always display.</p>

Issue Number	Description and Resolution
MIPRO-17529	<p>The Open Universal Data dialog box cannot be re-parented in an integrated mapping application.</p> <p>The Open Universal Data dialog box may not display after evoking it from an integrated mapping application, and then the application may not be accessible.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-17644	<p>The Layout window chooses the incorrect Map window and Legend. When working with multiple windows (such as Map and Legend windows) with similar window titles, the Layout window frame may contain incorrect content. The window titles must be set so that one window has the same title as the other window, but with additional text at the end (for example, "Map ABC" and "Map ABCDEF").</p> <p>When selecting the One Frame for Window option in a new Layout window and then selecting the window with the shorter name, MapInfo Professional may use the window with the longer name. There is a similar issue when using the MapBasic command ObjectInfo( ), which gets the title of a window port (when selecting a window port/frame using Print ObjectInfo(selection.obj, 6)). Also, copying a window frame to the clipboard and then pasting it back could cause problems and may use the incorrect window in the new frame.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-17987	<p>The Seamless Manager MBX tool displays a warning message, "Metadata operations are not supported for this table", when there are View tables or Query tables open.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-18003 MIPRO-11483	<p>The modal Layer Control window is not modal in an integrated mapping application.</p> <p>If an integrated mapping application invokes the modal Layer Control window, then you can still interact with the application window—you should only be able to interact with the application window.</p> <p><b>Resolution:</b> Fixed.</p>

## Using the Catalog Browser

Issue Number	Description and Resolution
MIPRO-10097	<p>Opening a region Shapefile and then selecting a region in a Map Window causes a Catalog Browser Error.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-16776	<p>After deleting all catalog servers and then restarting MapInfo Professional, a prompt displays to locate the CSW Catalog Server's XML file.</p> <p>This issue occurs when you load the Catalog Browser in MapInfo Professional and then delete all catalog servers. The next time you start MapInfo Professional load the Catalog Browser, it displays a prompt to locate the MICSWServers.xml file.</p> <p><b>Resolution:</b> Fixed. Also, the MICSWServer.XML file is now located under the Pref_dir directory.</p>
MIPRO-17081	<p>The Catalog Browser code appends KVP parameters to the GetCapabilities Request without checking whether they are already present or not.</p> <p>If you append extra KVP parameters (Request=GetCapability&amp;Service=CSW) to a Catalog service URL in the Catalog Server Definition dialog box, then the server returns an error on these KVP parameters.</p> <p><b>Resolution:</b> Fixed. This fix removes any user specified parameters and appends the necessary code for the correct set of parameters before making the request.</p>

Issue Number	Description and Resolution
MIPRO-17088	<p>Catalog Browser displays an error message when adding a CSW that conforms to both version 2.0.0 and 2.0.2.</p> <p><b>Resolution:</b> Fixed. A catalog can conform to multiple versions, such as versions 2.0.0 and 2.0.2. Now when a catalog conforms to version 2.0.2, whether or not it conforms to a previous version, the Catalog Browser lets you use it.</p>
MIPRO-17875	<p>The Catalog Browser cannot use the Swedish National Catalog service.</p> <p>The CSW Schema and OGC Filter specification 1.1 causes confusion for the supported comparison operator.</p> <p><b>Resolution:</b> Fixed. A LessThanOrEqualTo and GreaterThanOrEqualTo was added, so that the Catalog Browser works with GeoNetwork servers that send these operators.</p>
MIPRO-19962	<p>MapInfo Professional 11.0.1 maintenance release causes the Catalog Browser to display in English.</p> <p>After running the 11.01 maintenance release on a localized MapInfo Professional 11.0, the Catalog Browser displays in English and not in the local language. This occurs for all languages.</p> <p><b>Resolution:</b> Fixed.</p>

## Geocoding

Issue Number	Description and Resolution
MIPRO-10087 (S10069)	<p>Problem with geocoding when using "Use the closest address number" option.</p> <p><b>Resolution:</b> Fixed. Even if an address falls within the range of a street in another suburb, but does not actually reside in that suburb, the Find Nearest function locates the correct suburb and correctly geocodes the address.</p>
MIPRO-10801	<p>Error occurs with <b>Geocoding using Server</b>: "Country code required for Geocoding operations".</p> <p>This error occurs when the input country is reset to blank after adding an output field.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-13073	<p>MapInfo Professional closes unexpectedly when geocoding with long column names.</p> <p>When using long column names for input or output fields for "Geocode Using Server", MapInfo Professional closes when saving the field information—either input or output fields—to the input table metadata.</p> <p><b>Resolution:</b> Fixed.</p>

## Printing

Issue Number	Description and Resolution
MIPRO-9607	<p>MapInfo Professional freezes after printing to PDF using 72 DPI while there is small size text in a Map window.</p> <p>This issue occurs when printer resolution is less than the screen resolution and there are text or label halos.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-15428	<p>MapInfo Professional may freeze or process very slowly when printing complex polygons (with many nodes and/or holes).</p> <p><b>Resolution:</b> Fixed.</p>

## Using the Layer Control

Issue Number	Description and Resolution
MIPRO-4326	<p>The Layer Control does not make Excel-based layers editable.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-10854	<p>When working with street files in the Layer Control and Table List window, the TAB path in the ToolTip is incorrect.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-13322	<p>When using seamless tables, unable to choose the correct columns label with.</p> <p>When a layer is based on a seamless table, the Layer Properties dialog does not let you to change the labeling column or set a labeling expression.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-14835	<p>MapInfo Professional on Windows 7 64-bit Aero theme leaves artifacts in the Layer Control.</p> <p>The Browser, Move Map To, and Table windows, may look choppy or blocky after dragging them under a docked Layer Control window. This occurs with some graphics cards, mostly on Windows 7 with Aero.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-17183	<p>The Text Style dialog box lets you choose a font size when setting a layer style override, but the font size does not have any effect.</p> <p><b>Resolution:</b> The Text Style dialog box does not let you choose a font size when you modify a layer style override, because the font size in that situation is dictated by the map's zoom level. This dialog box now shows the font size control only in cases where it is appropriate.</p>
MIPRO-17254	<p>Some labels disappear when turning the visibility of a layer on or off, and pressing CTRL+D displays them again.</p> <p><b>Resolution:</b> Works as designed.</p> <p>As an example, there are two layers, layer A on top of layer B. When there is a complete redraw, labels from layer B are drawn first and then labels from layer A are drawn. Layer A has overlap detection on, so it can only draw labels that do not overlap with labels in layer B. If you turn off the visibility of layer B, then auto labels from layer B disappear. Labels from layer A recalculate and there are no other labels to detect overlaps, so you may see more A labels. Turn the visibility of layer B back on and A labels still exist in the map, but there are more of them and B has overlap detection on. Since there are more A labels now, and B has to check for overlaps, some B labels will probably overlap with A labels, so you now see fewer labels from B. Labels already drawn take precedence over labels being added later.</p> <p>After pressing CTRL+D you see what was initially displayed, because CTRL+D forces a complete redraw from the bottom up—labels from layer B are drawn first, then labels from layer A.</p>

## Working with Data

Issue Number	Description and Resolution
MIPRO-6322	<p>Uploading a table to a case sensitive SQL Server 2008 database results in an error.</p> <p><b>Resolution:</b> Fixed. SQL statements are now case sensitive.</p>
MIPRO-10812	<p>MapInfo Professional closes unexpectedly when opening an Excel file.</p> <p>This occurs when opening an Excel file containing records with links to an external sheet data.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-11598	<p>Opening a SQL Server Spatial 2008 table with a row filter and then selecting within the current Map window displays blank rows (for a live access table) or duplicate rows (for a live access with cache table).</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-12298	<p>MapInfo Professional slows down after refreshing a DBMS table, because the object cache is lost.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-13765	<p>MapInfo Professional closes unexpectedly when saving a PostGIS table without spatial data as another PostGIS table.</p> <p>When creating a copy of a table MapInfo Professional references a pointer variable that describes the coordinate system. It is set to null when the table does not have spatial columns and this causes the issue.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-17712	<p>Opening a SQL Server linked table, created in MapInfo Professional 10.5 or earlier, continuously prompts for database name and password.</p> <p><b>Resolution:</b> Fixed.</p>

## MapBasic

Issue Number	Description and Resolution
MIPRO-10024	<p>MapInfo Professional closes unexpectedly if Run Menu Command 822 is in the MNU file.</p> <p>Adding "Run Menu Command 822" to the mapinfow.mnu file to make the Layer Control window visible at startup causes MapInfo Professional closes unexpectedly at startup.</p> <p><b>Resolution:</b> Fixed. The correction for this issue ignores this modification to the .mnu file, because the correct way to use a "Run Menu Command" at startup is to enter the command in the startup workspace startup.wor file. Using the startup.wor may not be necessary, because MapInfo Professional remembers if the Layer Control window was open at shutdown and automatically restores it on startup.</p>
MIPRO-15035	<p>A MapBasic program calling an ACCESS database via an ODBC connection causes MapInfo Professional to close unexpectedly on Windows 7.</p> <p>Passing a String data type for the status parameter of the Server Bind Column statement causes MapInfo Professional to close.</p> <p><b>Resolution:</b> Fixed. MapBasic programs are now prevented from compiling or running if the status variable data type is not Integer, SmallInt, or LargeInt.</p>
MIPRO-15418	<p>False conflicts occur on decimal data types when committing a table into SQL Server through MapBasic.</p> <p><b>Resolution:</b> Fixed.</p>

Issue Number	Description and Resolution
MIPRO-16926	<p>Running a MBX using the run application command ignores MapBasic error handling.</p> <p>If a MapBasic application is invoked using a Run Application Command statement, which in turn is invoked using a Run Command statement, then the error handler of the invoked application is ignored and any errors are handled by the application that invoked it.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-18037	<p>TableInfo function sometimes returns wrong TAB_INFO_TYPE when used on a query table.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-18384	<p>A FileNotFoundException issues when a MBX displays a .NET modal dialog and a Browser window is open.</p> <p><b>Resolution:</b> Fixed.</p>
MIPRO-18887	<p>ContextMenu.menu is shown in the QuickStart dialog box whenever Discover 11.0 runs.</p> <p>A new NoMRU token was introduced in version 11.0 for the Run Application command. Whenever this token is used, MapInfo Professional does not add the current workspace to the MRU list for the Quick Start dialog box. When the NoMRU token is used, MapInfo Professional displays the last executed workspace in the Quick Start dialog box.</p> <p><b>Resolution:</b> Fixed.</p>