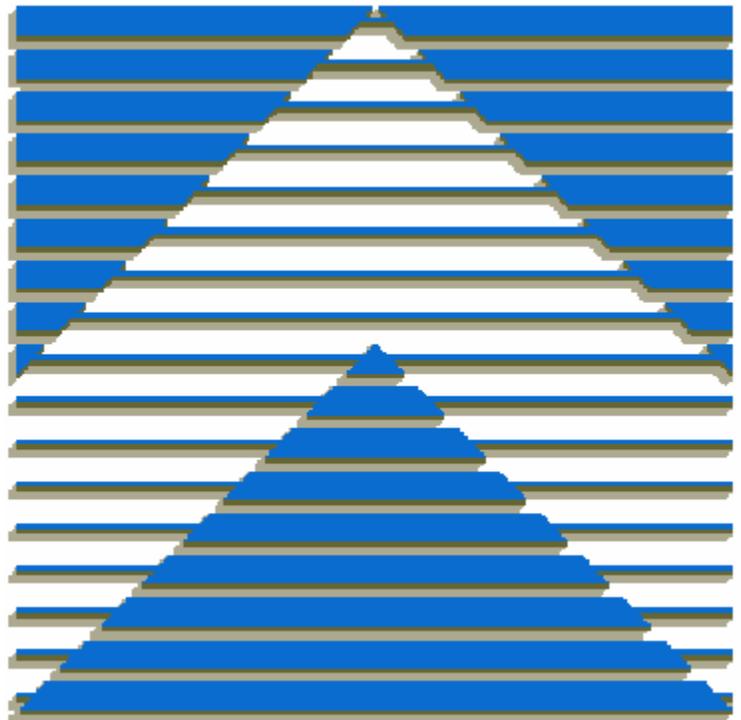


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Upgrade

# VPM Enterprise 9.1.11

ProMatrix Corporation



# *ProMatrix*

ProMatrix Corporation

Web: [www.promatrix.com](http://www.promatrix.com)

Email: [customerservice@promatrix.com](mailto:customerservice@promatrix.com)

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# Introduction

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## Introduction

The VPM Enterprise 9.1.11 upgrade incorporates important fixes, changes and enhancements to VPM Enterprise 9.1 for Visual FoxPro 9.0.

This manual describes:

- How to install the VPM Enterprise 9.1.11 upgrade. See the “Installation” chapter on page 2.
- How to update your VPM Enterprise 9.1 applications to include the 9.1.11 fixes, changes and enhancements. See the “Updating Applications” chapter on page 5.
- The fixes, changes and enhancements included in VPME 9.1.11. See the “Fixes, Changes & Enhancements” chapter on page 9.

# Installation

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## Before You Install

This section describes several things you may need to do before installing the VPME 9.1.11 upgrade.

### Preserve Your Changes

If you are upgrading an existing VPME 9.1.10 installation, you can preserve changes you have made to files in your VPME and Sample Application installations.

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**Tip:** To determine the VPME 9.1 version that you are running, run your VPME 9.1 and check the About dialog on the VPME Help menu.

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If you are upgrading from VPME 9.1.10, here's how to preserve your file changes:

1. **Update Installation:** When you install the VPME 9.1.11 upgrade, do the “VPM Enterprise 9.1.11 Update Installation” as described below, but don't do it yet. You have some work to do first.

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**Tip:** The update installation only replaces files that have changed from VPME 9.1.10. Therefore, you only have to take steps to preserve changes in the files that will be replaced. If you are upgrading a VPME 9.1 version prior to 9.1.10, you cannot use the update installation because it does not include files that were new or revised in upgrades prior to VPME 9.1.11.

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2. **New and Modified Files:** Review the “New and Modified Files” list on page 7. The files in this list that do not have “(New)” following their names are files that have been modified for VPME 9.1.11. These modified files will replace files of the same name in your VPME 9.1.10 installation when you install the VPME 9.1.11 upgrade. If any of the modified files on the list are files to which you have made changes, backup the files from your VPME 9.1.10 installation so that you can apply your changes to the modified versions of the files that will be installed during the upgrade installation.
3. **Run the Update Installation:** After you have backed up files as described in step 2, run the Update Installation.
4. **Reapply Your Changes:** After installing the upgrade, apply your changes from your backup copies of the modified files.
5. **Update Sample Application:** Update the VPME Sample Application using the procedure described in the “Updating Applications” chapter on page 5.

## Source Control

If you are using the VPME Source Control features and have VPME and project files under source control, your source control software's database needs to be updated with the modified versions of the files that the update is changing. To update the source control database use this procedure to install the update:

1. Before installing the update, check out the files that are going to be modified by the update installation. The files that are going to be modified by the update are listed in “New and Modified Files” on page 7.
2. Install the update.
3. Check in the updated files.

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## Installing the VPM Enterprise 9.1.11 Upgrade

This section shows you how to install the VPM Enterprise 9.1.11 upgrade.

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**Tip:** After you install the VPM Enterprise 9.1.11 upgrade, you can update your VPM Enterprise 9.1 applications by following the procedure described in the *Updating Applications* chapter.

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This section describes two ways to install the VPME 9.1.11 upgrade:

1. **Update Installation:** If you are upgrading from VPME 9.1.10, you can use the Update Installation approach. This approach makes it easier for you to preserve changes you have made to files in your VPME and/or Sample Application installations.
2. **Full Installation:** Use this approach in the following situations:
  - If you are upgrading from a VPME 9.1 version prior to VPME 9.1.10, you must use the Full Installation approach.
  - If you are upgrading from VPME 9.1.10 and don't need to preserve changes you have made to VPME files or Sample Application files, you can use the Full Installation approach.
  - If you want to preserve your existing VPME 9.1 installation, use the Full Installation approach and install VPME 9.1.11 in a new directory.

## VPM Enterprise 9.1.11 Update Installation

If you have modified your VPME 9.1.10 files and only want to replace files in your VPME 9.1.10 installation that have been revised for VPME 9.1.11, use the Update installation approach. This approach minimizes the work required to preserve your changes. (See “Preserve Your Changes” on page 2.)

1. **Download:** Download the VPM Enterprise Update Installation File from the ProMatrix Web.
2. **Install:** Run the installation EXE Setup file and install the upgrade to the directory where you installed VPME 9.1.10 (normally, \vpme91).
3. **Reapply Your Changes:** If you backed up modified files before the install, after installing the upgrade, apply your changes from your backup copies of the modified files.
4. **Update Applications:** Update the VPME Sample Application and your other VPME 9.1.10 applications using the procedure described in the “Updating Applications” chapter on page 5.

## VPM Enterprise 9.1.11 Full Installation

If you need to or wish to completely reinstall VPM Enterprise with the VPME 9.1.11 upgrade, use the Full Installation approach.

1. **Download:** Download the VPM Enterprise 9.1.11 Full Installation File from the ProMatrix Web.
2. **Uninstall:** If you previously installed a version of VPME 9.1 and you do not want to preserve that version, you must uninstall that version using the Add or Remove Programs option on your Windows Control Panel. After using Add or Remove Programs to uninstall, manually remove the remaining \vpme91 directory and subdirectories.

---

**Tip – Preserving an Installation:** If for some reason you wish to preserve your existing VPME 9.1 installation, install the VPME9.1.11 upgrade in a directory other than \vpme91 (assuming that is where you installed your existing VPME 9.1).

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3. **Install:** Run the installation EXE Setup file and install the upgrade to the default \vpme91 directory, or another directory of your choosing.
4. **Update Applications:** Update your VPME 9.1 applications using the procedure described in the “Updating Applications” chapter on page 5.

# Updating Applications

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## Updating Your VPM Enterprise 9.1.10 Applications

If you have applications that you've created with VPM Enterprise 9.1.10, you can easily update them to include the fixes, changes and enhancements in version 9.1.11 by following the steps described in this section after you install the VPME 9.1.11 upgrade.

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**Tip:** If you have a VPME application created in VPME 9.1.02, follow the procedure described in the “Updating VPM Enterprise 9.1.02 Applications” section on page 5 to update those applications to VPME 9.1.11.

**Tip:** If you have a VPME application created in a VPME version earlier than VPME 9.1, you must update it to VPME 9.1 before updating it to VPME 9.1.11.

---

### ➤ *To update a VPME 9.1.10 application to VPME 9.1.11*

1. Run the VPMEU\_9110\_TO\_9111.PRG project update program:
  - Run Visual FoxPro 9.0.
  - Set the default directory to the VPME home directory (SET DEFAULT TO <VPME Home>) where you installed the VPME 9.1.11 upgrade. The VPME home directory is normally \vpme91
  - Run the project update program, VPMEU\_9110\_TO\_9111.PRG, that is in the VPME home directory. In the Open dialog that comes up, find the project's SVPMPROJECTDEFINITION.PJD file that is in the project's home directory.
  - Exit VFP 9.0.
2. Complete the update of the project manually.
  - Run VPME 9.1.11 and open the project.
  - Build the application.

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## Updating VPM Enterprise 9.1.02 Applications

If you have applications that you've created with VPM Enterprise 9.1.02, you can update them to include the fixes and enhancements in version 9.1.11 after you install the VPME 9.1.11 upgrade using the Full Installation approach.

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**Important:** If you have a VPME application created in a VPME version earlier than VPME 9.1, you must update it to VPME 9.1 before updating it to VPME 9.1.11.

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➤ **To update a VPME 9.1.02 application to VPME 9.1.11**

Complete the two steps described below.

**1. Apply the VPME 9.1.10 Application Update**

- Go to the ProMatrix Documentation download page on the ProMatrix Web (<http://www.promatrix.com/vpmdocs/docsdown.htm>) and download the *VPM Enterprise 9.1.10 Upgrade Documentation*.
- Follow the instructions in the “Updating Your VPM Enterprise 9.1.02 Applications” section on page 5 of the *VPM Enterprise 9.1.10 Upgrade Documentation*.
  - The VPMEU\_9102\_TO\_9110.PRG file is included with VPME 9.1.11 and can be found in your VPME91 home directory after installing VPME 9.1.11.

**2. Apply the VPME 9.1.11 Application Update**

- After applying the VPME 9.1.10 application update as described in step 1 above, apply the VPME 9.1.11 application update as described in the “Updating Your VPME 9.1.10 Applications” section at the beginning of this chapter.

## New and Modified Files

The following table lists VPME files that have been modified or are new in VPME 9.1.11. The VPME Setup copies the files listed in the VPME Files column to the directories shown in the Location column. The files at the end of the table marked with an asterisk are those that are modified or replaced by the application update program VPMEU\_9110\_TO\_9111.PRG.

VPME Files	Location
VPM.APP	\<VPM Home>
VPMAPP.VCX, VCT	\<VPM Home>
VPMCTRLS.VCX, VCT	\<VPM Home>
VPMDATAHANDLER.VCX, VCT	\<VPM Home>
VPMDD.VCX, VCT	\<VPM Home>
VPMEU_9102_TO_9110.PRG	\<VPM Home>
VPMEU_9110_TO_9111.PRG (New)	\<VPM Home>
VPMFORMS.VCX, VCT	\<VPM Home>
VPMGEN.VCX, VCT	\<VPM Home>
VPMINT.VCX, VCT	\<VPM Home>
VPMSEC.VCX, VCT	\<VPM Home>
PRINTFORM.BMP, MSK (New)	\<VPM Home>\BITMAPS
SAPPDD.FRX, FRT	\<VPM Home>\NEW PROJECT
SAPPDFK.FRX, FRT	\<VPM Home>\NEW PROJECT
SAPPERRORS.FRX, FRT	\<VPM Home>\NEW PROJECT
SAPPFMAINMENU.FRX, FRT	\<VPM Home>\NEW PROJECT
SAPPFIELDHELP.FRX, FRT	\<VPM Home>\NEW PROJECT
SAPPSPASSWORDS.FRX, FRT	\<VPM Home>\NEW PROJECT
SAPPSUSERS.FRX, FRT	\<VPM Home>\NEW PROJECT
SAPPUACTIVITY.FRX, FRT	\<VPM Home>\NEW PROJECT
SAPPUAUDITTRAIL.FRX, FRT	\<VPM Home>\NEW PROJECT
SAPPUAUDITTRAILFORM.FRX, FRT	\<VPM Home>\NEW PROJECT
SDATA.DBC, DCT, DCX	\<VPM Home>\NEW PROJECT
SDATA_V.DBC, DCT, DCX	\<VPM Home>\NEW PROJECT
SDATADDF.DBF, FPT, CDX	\<VPM Home>\NEW PROJECT
SDATADDTV.DBF, FPT, CDX	\<VPM Home>\NEW PROJECT
SVPM.DBC, DCT, DCX	\<VPM Home>\NEW PROJECT
SVPM_V.DBC, DCT, DCX	\<VPM Home>\NEW PROJECT
SVPMAPPLICATIONDEFINITION.APD, FPT	\<VPM Home>\NEW PROJECT
SVPMTOOLBARCONTROLS.DBF, CDX	\<VPM Home>\NEW PROJECT
PRINTSCREEN.PRG (New)	\<VPM Home>\PRGS
SVPMAPPLICATIONDEFINITION.APD, FPT *	\< Project Home>
SDATA.DBC, DCT, DCX *	\< Project Home>\DATA
SDATA_V.DBC, DCT, DCX *	\< Project Home>\DATA
SDATADDF.DBF, FPT, CDX *	\< Project Home>\DATA
SDATADDTV.DBF, FPT, CDX *	\< Project Home>\DATA
SVPM.DBC, DCT, DCX *	\< Project Home>\DATA
SVPM_V.DBC, DCT, DCX *	\< Project Home>\DATA
SVPMTOOLBARCONTROLS.DBF, CDX *	\< Project Home>\DATA
S<Prefix>DD.FRX, FRT *	\< Project Home>\REPORTS
S<Prefix>DFK.FRX, FRT *	\< Project Home>\REPORTS

VPME Files	Location
S<Prefix>ERRORS.FRX, FRT *	\< Project Home>\REPORTS
S<Prefix>FMAINMENU.FRX, FRT *	\< Project Home>\REPORTS
S<Prefix>HFIELDHELP.FRX, FRT *	\< Project Home>\REPORTS
S<Prefix>SPASSWORDS.FRX, FRT *	\< Project Home>\REPORTS
S<Prefix>SUSERS.FRX, FRT *	\< Project Home>\REPORTS
S<Prefix>UACTIVITY.FRX, FRT *	\< Project Home>\REPORTS
S<Prefix>UAUDITTRAIL.FRX, FRT *	\< Project Home>\REPORTS
S<Prefix>UAUDITTRAILFORM.FRX, FRT *	\< Project Home>\REPORTS

\* = Modified or replaced by the project update program VPMEU\_9110\_TO\_9111.PRG.

# Fixes, Changes & Enhancements

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## Fixes, Changes & Enhancements

The following table lists fixes, changes in functionality and new features included in the VPME 9.1.11 update.

### Type Code

- A “B” in the Type column denotes a fix.
- A “C” in the Type column denotes a change in functionality.
- A “E” in the Type column denotes an enhancement.

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**Tip:** Review this list to see if any of the changes affect the expected functionality of your applications in a way that requires you to take action. Also, determine whether any of the changes offer new functionality that you may want to use.

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Type	Topic	Description
B	Access Panel	When the Access Panel is closed, clicking on the Access Panel button on the application toolbar does not re-open the Access Panel.
B	Data Builder	An error can occur when the Delete key is used to empty many of the comboboxes in the Data Builder.
B	Data Dictionary Report	When the Print button is clicked in the Data Builder the fields appear in the report in name order, rather than in the order selected in the Field Order control.
B	Date Picker	An error occurs when the Picklist (date picker) is brought up for a date field that contains a null value.
B	Field Picklist	The field Picklist is not available when using the LocalToRemote functionality.
B	Language Builder	An error occurs when a record is deleted on the Language Builder form.
B	List, Find, and Order Forms	An error occurs when using the List, Find, and Order forms while in Parent Mode on a child Related Form.
B	Login/Logout	The login status of the current user is not updated in the user’s User record when the Login and Logout menu options are used.
B	Message Builder	The Display Picture setting is not saved properly in the Message Builder.
B	Remote View Tags	When using the LocalToRemote functionality, an error occurs when the SetOrder method tries to create a tag for a remote view.
B	Remote View Tags	When the Order form is brought up for a remote view the list of tags is empty.

Type	Topic	Description
B	SQL Find Form	The SQL Find form is not working properly when brought up for a foreign key control when filtering Picklist records.
B	String Translations	When the String Translations form is brought up from the Language Manager form, German translation records are displayed no matter what language is selected on the Language Manager form.
B	Update Field Info	The Update Field Info routine should not be copying the Default Type setting of a PK field if "Sequential" is selected.
C	Access Panel	When changing the language on the Language Selection form, the Access Panel is now closed and re-opened so that it will reflect the newly selected language.
C	GET Filter Variables	GET filter variables can now be defined before a view or CA is opened or requiered/refreshed using the data handler methods. The GET variable values will no longer be reset if they are already defined.
C	LocalToRemote	The LocalToRemote functionality that is enabled through the OpenView method is now disabled when a view is opened programmatically in the IDE. This is done to be consistent with the LocalToRemote functionality enabled through the DE of forms, which is disabled in the IDE.
C	Related Pages	It is no longer required that the alias be included with the FK field name in the ParentPKValue filter in the SELECT command of CAs used in a Related Pages form.
C	Single Instance	A change has been made to better handle the visible status of the application (_SCREEN).
C	Update Field Info	The code that updates the view field info has been moved to a separate method, UpdateDDFRecord, so that changes to that functionality can more easily be made in subclasses.
C	Report Footers	The footer of system reports now includes the number of pages, as in "Page: n of nn".
E	Customize Toolbar Controls	The Customize Toolbar Controls form now allows for the entry of a graphic file name that will be placed into the DisabledPicture property of a control at runtime.
E	Data Builder	CursorAdapters can now be BROWSEd on the Edit page of the Data Builder for cursoradapters.
E	Data Builder	An index tag definition can now be created automatically for a field in a view or cursoradapter by clicking the new Create Tag button on the Properties page as well as the Integrity page (for Referential Integrity only) of the Data Builder. On the Integrity page the new tag can then be selected in the FK Tag combobox.
E	Data Builder and Data Dictionary Report	The Data Builder and Data Dictionary Report now show the SELECT commands of views and cursoradapters.
E	Listbox Incremental Search	The incremental search interval functionality that exists for comboboxes has now been implemented for listboxes.
E	LocalToRemote	When using the LocalToRemote functionality and the remote view is not in the data dictionary, the cName_DDD and cName_DDTV properties of the controls no longer need to be set to identify the local view.
E	Print Form	There is now a Print Form button on the application toolbar. When clicked, an image of the currently active form is printed.

Type	Topic	Description
E	Refreshing Toolbar	There may be occasions when custom code in a form needs to refresh the toolbar. To that end, there is a new method of the Form_Toolbar class (and subclasses), RefreshToolbar, that calls the Refresh method of the form's toolbar, whether an on-form toolbar or a standard toolbar.
E	Thermometer Form	The Thermometer form can now be brought up in the IDE using the same code as in an application.
E	User IDs and Passwords	There are two new checkboxes on the Password Setup form that specify whether User IDs and Passwords are case-sensitive or case-insensitive (forced to upper).
E	Users and Passwords Reports	The Users and Passwords reports are now filtered on the current user's Access Level so that only records with an Access Level that is equal to or lower than the current user are included.
E	Users Form	On the Users form, permission groups are now specified by making selections in comboboxes instead of by typing 3-character group codes into textboxes.
E	Varchar support	Additional Varchar field support has been added in the Data Builder and Admin Tools SQL Find form.