

COMPLETING INSTALLATION AND UPGRADE



Version 5

RFgen Mobile Enterprise Application Platform

Implementing the latest release of RFgen within your organization is a relatively simple process. Prepare yourself to experience the many benefits that come with RFgen's Mobile Enterprise Application Platform version 5.

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RFGEN MOBILE ENTERPRISE APPLICATION PLATFORM

INTRODUCTION

The enclosed CD-ROM contains the latest release of the RFgen Mobile Enterprise Application Platform version 5. To begin your installation, simply insert the accompanying CD-ROM into an optical drive – a product installation menu should automatically startup and display your installation options. If this does not occur, please explore your computer, right-click on the drive icon containing the CD-ROM, select “Open” from the context menu, and then find and double-click on the file named “autorun.exe” to begin.

RFgen version 5 can be installed and operated concurrently on a system with a previous release of RFgen (either v4, v3, or v2) actively installed. RFgen contains all the tools necessary to allow you to easily upgrade to the current version when migrating from a prior software release. The upgrade procedure outlines the steps necessary to safely upgrade from a previous release to the current release.

Note 1: Before starting the upgrade procedure or installing the software, ensure that all important RFgen data (RFgen.mdb) have been safely backed up. Always take this precaution before attempting any type of installation / upgrade.

Note 2: Your user account must have local administrative privileges on the PC. Failure to adhere to this requirement may result in the RFgen environment not operating properly.

CONFIGURE AND TEST BEFORE PROMOTING TO PRODUCTION

If you are migrating from a prior release, before promoting any upgrade to production, RFgen v5 should be first installed, configured, and fully tested in a development / test environment. There have been a number of significant changes to the RFgen scripting system which require the upgrade process to auto-convert your existing VBA scripts to fit the newer object-oriented syntax. While we have performed numerous tests on this upgrade system, the flexibility with which users can write VBA code can sometimes result in unexpected upgrade issues. Even though we have provided an upgrade code-checking utility in the Development Studio, the results of this test do not guarantee that your application logic is sound; it only reports that it is syntactically correct.

Note: Applications migrating from earlier releases to RFgen version 5 should only be promoted to a production environment after configuration settings have been confirmed, and thorough application testing has been performed.

INSTALLATION PROCEDURE

To begin the installation of RFgen Software, **log in with a local administrative account** and select the items that you wish to install...

- To create a production or development environment, select “Install Mobile Enterprise Application Platform”
- To connect to RFgen from a Windows PC, select “Install Windows Desktop Client”
- To be able to deploy client packages, select “Install Mobile Clients”

Note: When prompted by the installer, always restart the computer as directed.

UPGRADE PROCEDURE

To begin the upgrade of an existing RFgen installation, **log in with a local administrative account** and follow the steps outlined below...

1. Close or exit all RFgen programs that may be running, including the Mobile Enterprise Service Management tool (formerly known as the Service Control Manager) located in the system tray.
2. If you would like to use your current master database with the new release of RFgen, backup and save a copy of this database to another folder. The master database is usually named "RFgen.mdb" and can typically be found in the installation folder of your current release.
3. Install any desired RFgen applications as described in the above section.
4. If your active RFgen database (RFgen.mdb) was previously located in the main RFgen program folder, please copy it into the new location for the current release (typically "C:\Program Files\RFgen5".)
5. Launch RFgen's Mobile Development Studio and configure it to connect to your master database. This is accomplished by clicking the Configuration menu option and choosing Application Database.

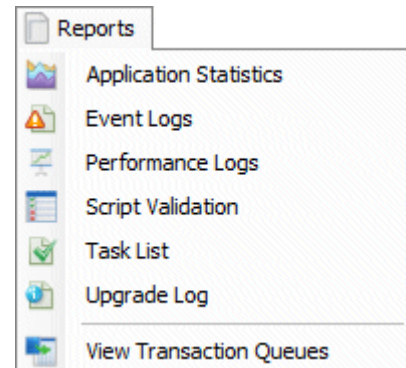
The screenshot shows the 'RFgen - Select / Create Application Database' dialog box. It has a title bar with a close button (X). Below the title bar are 'Cancel' and 'Save Changes' buttons. The dialog is divided into two main sections. The left section contains configuration options: 'Configuration File' (dropdown set to 'RFgen'), 'System / Company Id' (text field 'RFgen'), 'Encryption Key' (text field with a lock icon), 'System Database' (dropdown set to 'Access'), 'Data Access Mode' (dropdown set to 'Static'), 'Session Timeout (hr)' (spin box set to 0), 'Query Timeout (sec)' (spin box set to 60), and 'Reset on Error (hex)' (text field). The right section contains connection settings: 'Provider Name' (dropdown set to 'Microsoft.Jet.OLEDB.4.0'), 'Microsoft Access Database...' (text field with a search icon, containing '%APPDATA%\RFgen5\rfgen.mdb'), 'Database Login' (text field), and 'Password' (text field). At the bottom right is a 'Test Connection' button. Below the connection settings is an 'Extended Properties...' section with a table.

Property	Value

6. When you click the Save Changes menu option the software will detect the older solution file and ask if you want to upgrade it. This will then make a backup copy of your existing database and then perform an upgrade on it.
7. Once you have completed the database upgrade, click the “Save Changes” menu option to activate the database and have it loaded into the RFgen’s environment.

8. To view all of the automated changes made to the VBA syntax during the upgrade process, you can click on...

“Reports” → “Upgrade Log”

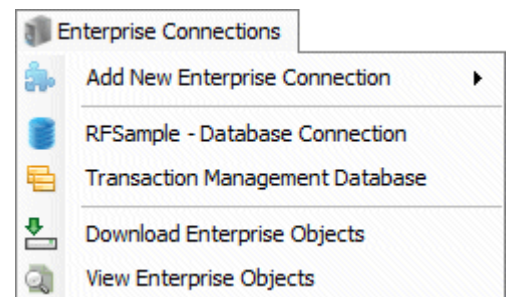


9. This report will display the code as it was prior to the syntax change and as it is now with the new RFgen 5 syntax. You can double-click each entry to navigate to the selected line of code as it appears within the new syntax. To obtain a printed copy of this report, simply click the “Print” button.
10. It is recommended that you now run the RFgen application scripting validation utility. This is accomplished by clicking on...

“Reports” → “Script Validation”

11. Once in this report, click on “Start Validation” to have RFgen automatically perform syntax checks on all of your VBA scripts. If any problems are detected, you can easily double-click on the entry to open that code object and resolve the issue.

12. You should move through each configuration screen from the “Configuration” and “Enterprise Connections” menus to check all of your existing configuration settings. This gives you a good opportunity to discover and take advantage of the latest capabilities to be found within the RFgen Mobile Enterprise Application Platform environment.



13. If your installation of RFgen is connected to external systems such as enterprise resource planning (ERP) systems or database management systems (DBMS),

download the desired tables/business functions for each of these data connections as needed. This can be accomplished by clicking on...

“Enterprise Connections” → “Download Enterprise Objects”

Note: The upgrade process creates a backup copy of the original (pre-upgrade) database within the same directory using the following naming convention:

filename_YYYYMMDD.mdb.

MOBILE CLIENTS AND WINDOWS DESKTOP CLIENTS

All RFgen Mobile Clients and RFgen Windows Desktop Clients must be upgraded to the same version of RFgen that is deployed on your server. **For the MDM auto-upgrade capability to work properly, the Mobile Clients must also be deployed along with the Mobile Enterprise Application Server.**