Rockton Pricing Management GP Connector

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1. Title

Rockton Pricing Management

June 30, 2023

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4. Introduction

For Rockton Pricing Management (RPM) to function in a typical customer environment, it requires two key components:

1. Pricing Application - A stand alone, SQL based web application serving as the foundation for RPM's pricing functionalities.
2. Connector - This is an ERP-specific software module tailored for a seamless integration between RPM and Microsoft Dynamics GP.

This document describes how to install, configure, and use the RPM Connector within Dynamics GP. It assumes the RPM application component of RPM is already installed and that the necessary data from Dynamics GP (e.g., Accounts, Items, Customers) has been successfully imported into RPM.

Note: For more information on RPM, refer to the Help Files within the RPM application.

To use RPM and the GP Connector, it is necessary that all configuration steps pertaining to Sales and Inventory within Dynamics GP are complete. For example, the Price Schedule ID in RPM corresponds to the Price Level in Dynamics GP, therefore, you must ensure that any Price Schedule IDs being used in RPM are set up in Dynamics GP as Price Levels and appropriately assigned to Customers or Items.

5. Installation Information

Installation Overview

There are five main steps to installing and configuring the RPM Connector for GP. These will be described in detail in the following sections.

1. Complete prerequisites.
2. Install the Dynamics GP OData service.
3. Install the RPM Connector for GP.
4. Complete OData configuration in Dynamics GP.
5. Test the OData connection.

5.1. Prerequisites for RPM GP Connector

Prerequisites for RPM GP Connector Data Sync Setup

To install the GP OData service, you will first need to have the following configured on your system.

1. The server where you install the GP OData service must have a Dynamics GP client installed.
2. This server must be on a domain and Active Directory must be installed.
3. You must have a valid SSL certificate to use for the GP OData service.
4. Verify that the ISS site you are using has a binding configured for https. Ensure the following:
   - The hostname in the binding matches the one specified in the SSL certificate from step 3.
   - The port used in the binding is accessible from external sources through your firewall.
5. You must have a service account to use for running the GP OData service.
6. You must have a separate AD user that will access Dynamics GP via OData.
7. You must create a dedicated GP user that will be tied to the AD user in step 6. This user will be granted access to the OD Security Roles for the data you will be exposing to the OData service.
8. Open the following IPs in your firewall to all the RPM Services to be accessed from Azure:
   - 104.40.21.181
   - 20.112.214.89
   - 20.112.214.66
   - 20.112.214.131
   - 20.112.212.207
   - 20.112.214.10
   - 20.112.210.119
   - 20.112.214.77
   - 20.112.214.62
   - 20.112.209.220
   - 20.112.214.121
   - 20.112.214.91

- 20.112.214.82
- 20.118.56.10
- 20.84.193.133
- 20.112.214.70
- 20.112.214.37
- 20.112.214.84
- 20.112.210.115
- 20.112.212.196
- 20.112.214.55
- 20.112.212.150
- 20.112.213.8
- 20.112.213.4
- 20.112.208.18
- 20.84.194.108
- 20.112.214.148
- 20.112.214.175
- 20.112.214.12
- 20.112.214.6
- 20.112.214.169
- 20.112.210.205
- 104.40.21.181

9. Enable OLE Automation on your SQL Server by running the following in SSMS:

```
sp_configure 'show advanced options', 1;
GO
RECONFIGURE;
GO
sp_configure 'Ole Automation Procedures', 1;
GO
RECONFIGURE;
GO
```

5.2. Install of Dynamics GP OData Service and RPM Connector

Part 1: Install GP OData Service

In this step, you'll deploy the 'GP OData Service' by running setup.exe from the Dynamics GP DVD. This process creates a URL endpoint that allows for secure data access when building reports. It also ensures that only authenticated users with the appropriate permissions can access the data.

1. Run **setup.exe** from the Dyamics GP installation image.

2. Choose **GP ODataService** from the list. Then choose **Install** from the drop-down.
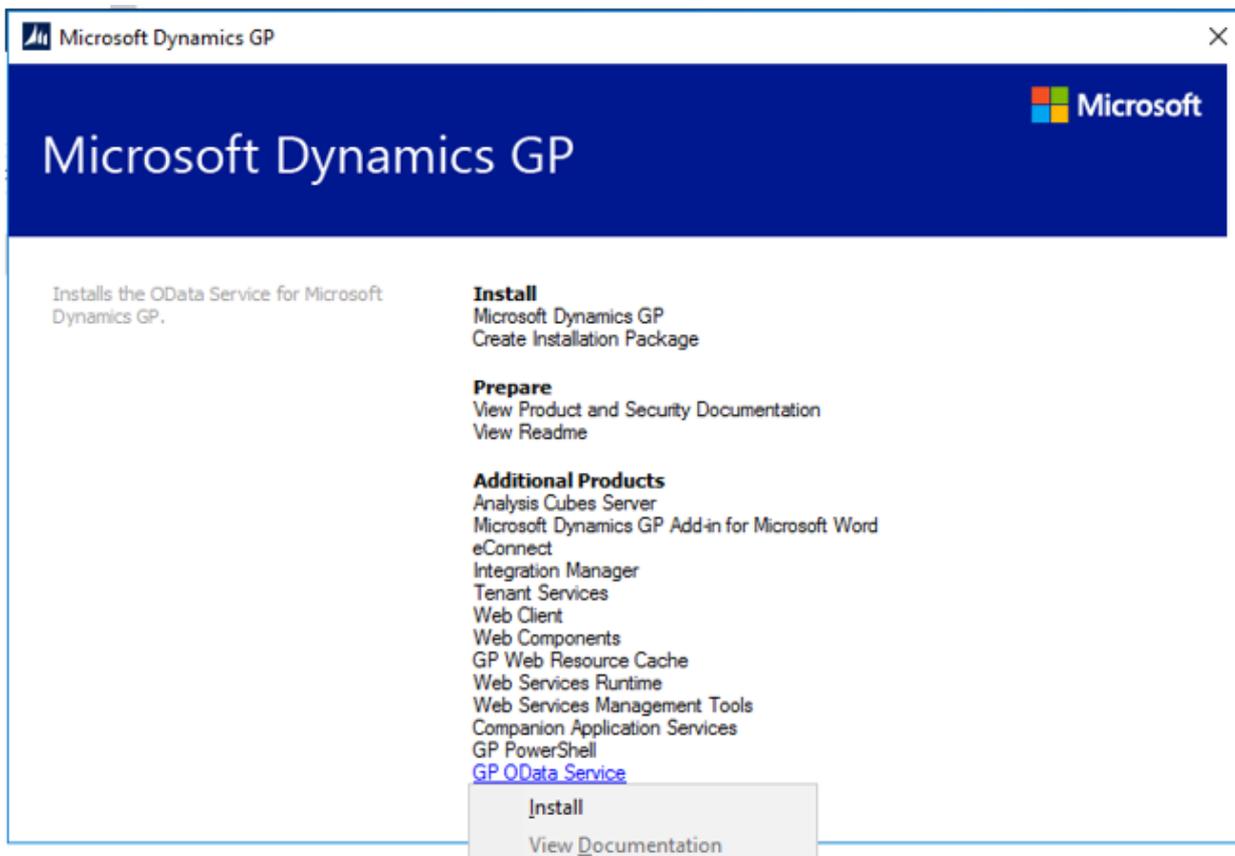
3. Select the **Accept the License Agreement** box and click **Next**.

4. Enter the authentication information for your SQL Server. Then click **Next**.
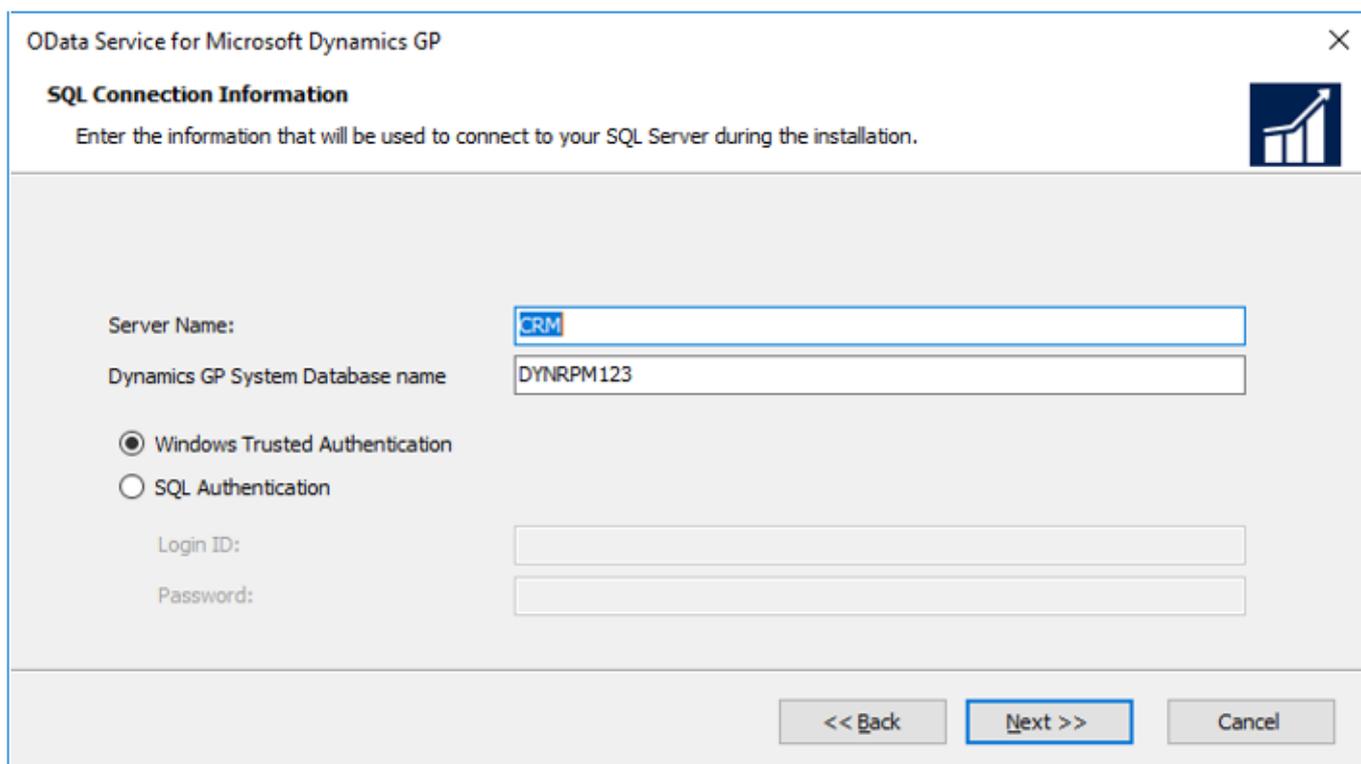
5. For most situations, we recommend purchasing an SSL certificate to be used for this service. However, there may be some situations where you may be able to create a self-signed certificate in IIS for this purpose. Be sure that the Host Name matches the host name in the SSL certificate you are using.

6. Enter the credentials for the domain account that will run the service. Then click **Next**.

7. Click **Finish** to complete the GP OData Service installation.

Part 2: Install RPM Connector for GP

⚠️ *Please read these instructions in their entirety before installing this software. We recommend you don't run any other Windows programs while installing this program.*

⚠️ *If this is an upgrade from a previous build of the RPM Connector for GP, we strongly recommend that you backup any changes that you have made to any views that start with RPMView, stored procedures that start with usp_RPM, and triggers that start with RPM. Under normal circumstances, changes to these SQL objects will be retained, but a backup is still recommended.*

Note that the above does not apply to stored procedure usp_RPMSyncQueue or trigger RPM_RPM0010_INSERT. These SQL objects will always be replaced when upgrading.

Important: Extract the files and folders in the zip file you downloaded to a folder where you can easily access it. You will want to be able to access the folder from all workstations where you are going to install.

Workstation Installation Instructions

1. On each computer where you wish to install Rockton Pricing Management (RPM), right-click the RPM setup file (**RPMSetup.exe**) and click **Run as administrator**.
2. Browse to the folder where Dynamics GP is installed if the correct path does not default for you.

⚠ *Important! Install the RPM Connector to the same directory where Dynamics GP is installed. If the default directory on the RPM Connector for Microsoft Dynamics GP Installation Wizard is not the same as the Dynamics GP installation directory, modify the default directory. If you enter this incorrectly, RPM will not function.*

4. Click **Install**. This will copy RPM.cnk and any other pertinent files as appropriate. It will also install other components required to run RPM. In some instances, you may need to reboot your system after the installation is complete.
5. Verify the Status shows "Installed Successfully." for each item listed, (you will need to scroll down to see all items), then click **Exit**.
6. To include the new chunk file code, launch Dynamics GP. Right-click the Dynamics GP icon, click **More**, then click **Run as administrator**. The following message should appear:

   New code must be included in the DYNAMICS.SET dictionary. Do you wish to include new code now?

7. Click **Yes**. This process will modify your DYNAMICS.SET file to include information relating to RPM, and the RPM.cnk file will create an RPM.DIC file.
8. Log in using a User who has sufficient SQL Server permissions to create Tables and Triggers. This user must either be in the 'sysadmin' fixed server role or the 'db_owner' role for the DYNAMICS database. Additionally, this User must be assigned to either the RPM ADMIN or POWERUSER Security Role within Dynamics GP.

⚠ *For new installation of RPM (not upgrades from a previous build), log in as a User in the POWERUSER Security role. This is because the RPM ADMIN role has not yet been created.*

9. Log into any company where you plan to use RPM. RPM maintains data at the system and company levels; therefore, it is necessary to install the software in each Dynamics GP company where you intend to use RPM.
10. The "Select Companies for Rockton Pricing Management Install" window will open. Mark the companies where you intend to install RPM, then click **OK**.
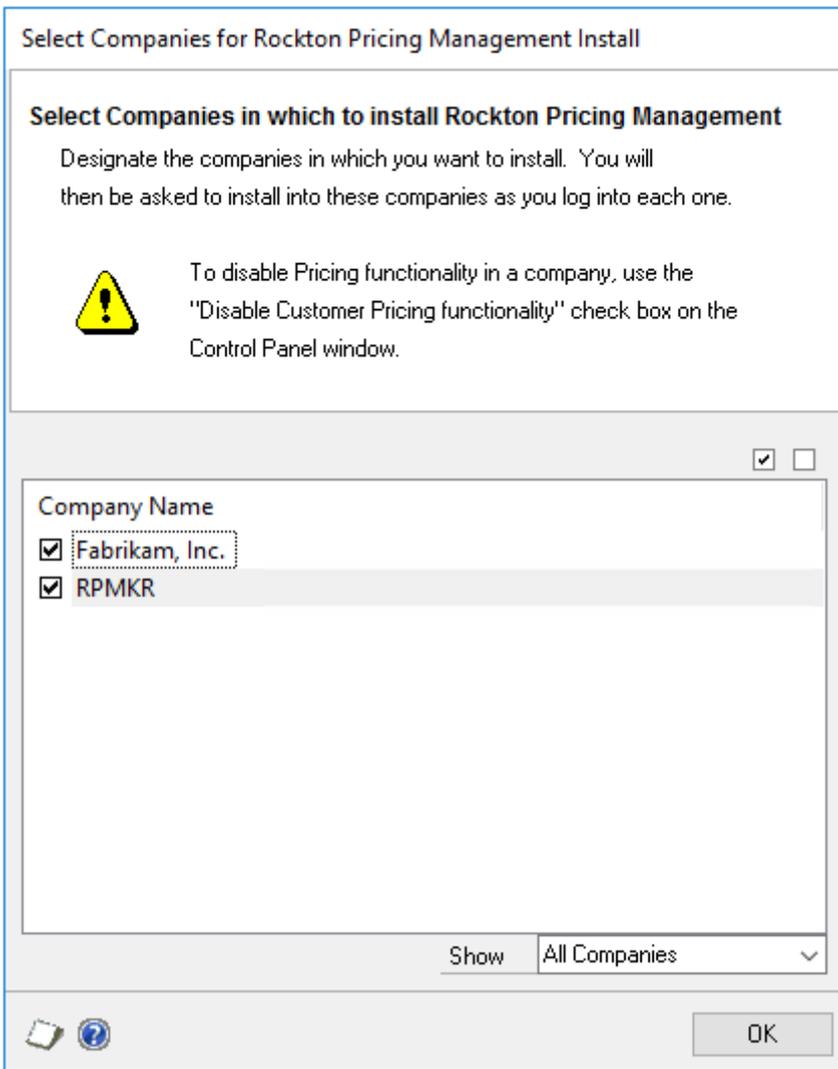
11. Next, the RPM install Welcome window will open. Note the status message. This indicates whether you will be installing for the first time or upgrading from an earlier build.
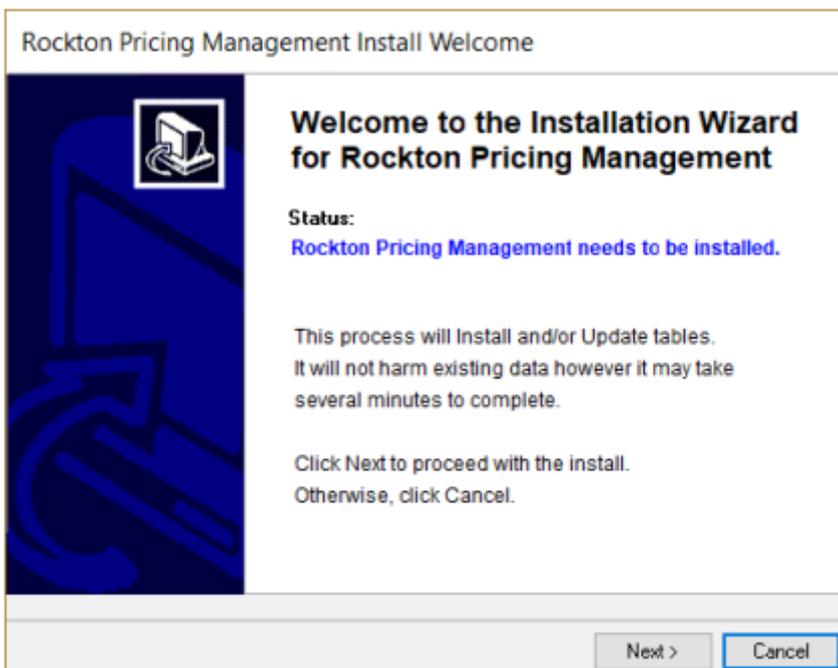
12. Click **Next** to review the License Agreement.
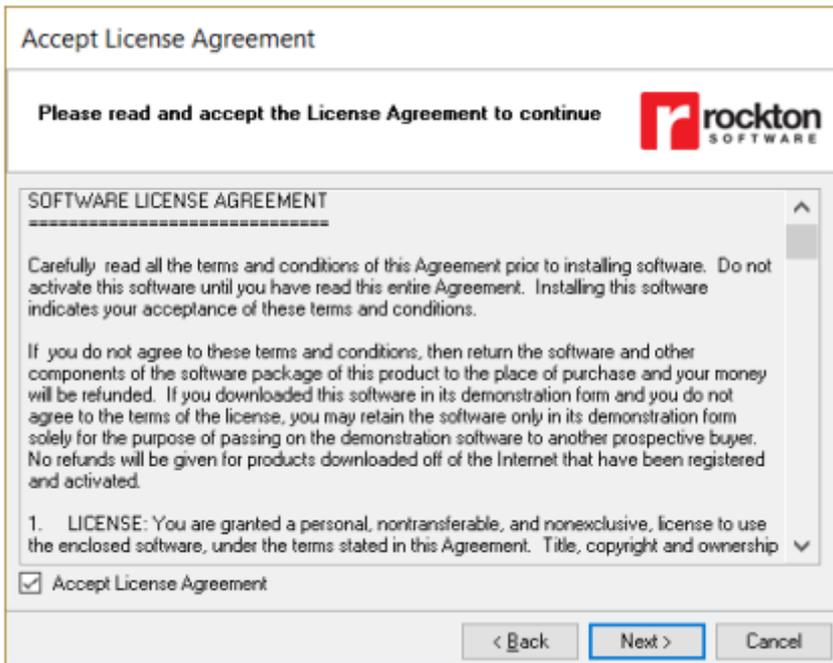
13. Check the **Accept License Agreement** box and click **Next** to launch the Install Progress dialog. During the installation, you may see some informational messages. Take note of these messages, and click **OK** or respond to them as necessary.
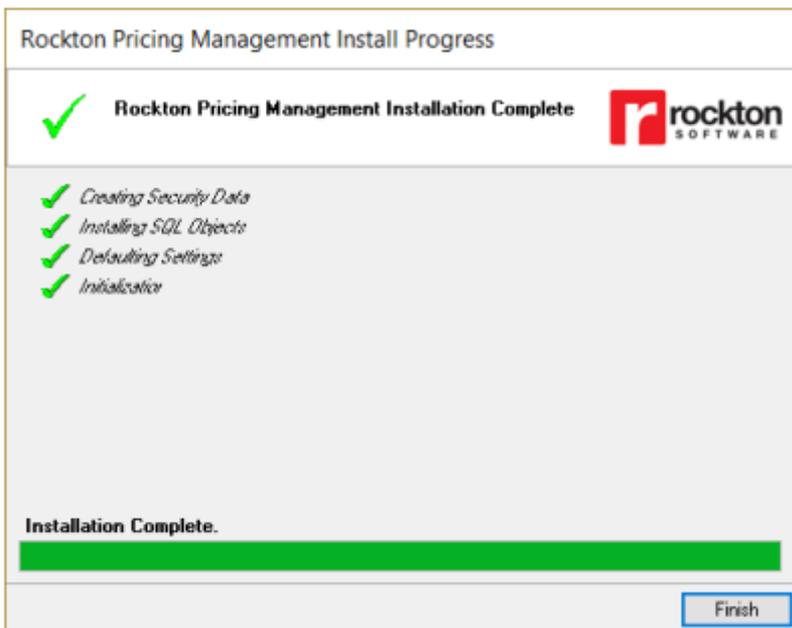
14 When the installation has completed, click **Finish**. The Rockton Pricing Management Status window will open. Take note of any messages and click **OK**.
You will then see this dialog:

Would you like to install Rockton Pricing Management for another company, or have you finished?

15. Click 'Another' to open the Company Login window. Log in to the next company, then repeat steps 8-14 for each additional Company. After the last Company has been installed, click 'Finished'.
16. Log out of Dynamics GP and log back in to see RPM Connector for GP features.
17. Verify the installation. Enter a transaction on the Sales Transaction Entry window to test at least one RPM pricing scenario using different user types (POWERUSER, RPM Administrator, regular user, etc., as appropriate) in a company other than Fabrikam.

This completes the installation process for the first workstation. You can now install RPM on all other workstations by following steps 1-7 outlined above. No further workstation-specific installation is required.

Part 3: Complete OData Configuration in Dynamics GP

1. Log into Dynamics GP using the 'sa' account or another account that has permissions to access the Security and OData windows under **Tools | Setup | System**.
2. Verify that the GP user created in step 7 of the Complete prerequisites section is tied to the Windows AD account you created for step 6 of that section.

3. Ensure that the GP user has been granted security access to the appropriate roles (the ones starting with OD). If you are unsure, choose the OD POWERUSER* role.

4. Navigate to **Tools | Setup | System | OData | Configure OData Service**.
5. In the **OData tab**, enter the OData Service URL in the following format:
   https://<computer name>.<domain name>.com/
     **Important: ensure you include the trailing slash at the end of the URL.
6. Click **OK** to finalize the configuration.
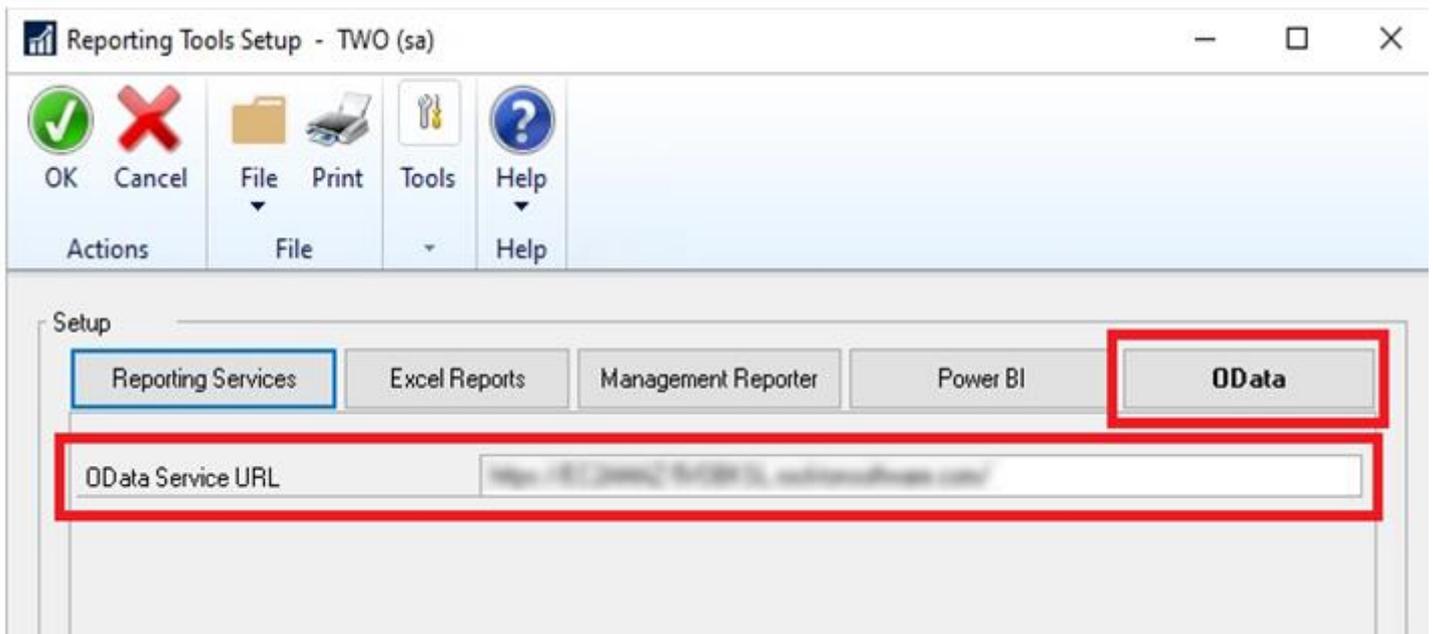
7. Navigate to **Tools | Setup | System | OData | Data Sources** within Dynamics GP.
8. For the Product, select **Microsoft Dynamics GP**.
9. For the Database, select a company database where you want to use RPM.
10. For the Object Type, select **Views**.

11. Click the Name column header to sort by Name. Then scroll down to find the views that start with RPMView. If you don't see any views that start with RPMView, then click the **Add Objects** Button to open the Customer Data Sources window. Mark all views that start with RPMView and click **OK**.

Custom Data Sources

✔ OK

Database:	TW186 (Fabrikam, Inc.) ▾		Mark All	Unmark All
Object Type:	Views ▾			

	Name	Object Type	Date Modified
☐	rmWorkTransactions	Views	2/8/2024
☑	RPMViewCustomer	Views	4/29/2024
☑	RPMViewGLAccount	Views	4/29/2024
☑	RPMViewItem	Views	4/29/2024
☑	RPMViewItemCurrency	Views	4/29/2024
☑	RPMViewLocationCode	Views	4/29/2024
☑	RPMViewPriceLevel	Views	4/29/2024
☑	RPMViewUofM	Views	4/29/2024
☑	RPMViewUofMSchedule	Views	4/29/2024
☐	RTVSerialLot_Work	Views	2/8/2024
☐	SalesSerialLot	Views	2/8/2024

12. On the Data sources window, select all views that start with RPMView (you may need to refresh if you did step 11). Then click **OK**.
13. Repeat steps 7-12 for each company database where you will be using RPM.
14. Navigate to **Tools | Setup | System | OData | Publish OData**.
15. Mark the Publish column for RPMView objects that you want to synchronize with RPM.
16. Take note of the OData URL column. You will use these URLs to test the OData setup later.
17. Click **OK**.
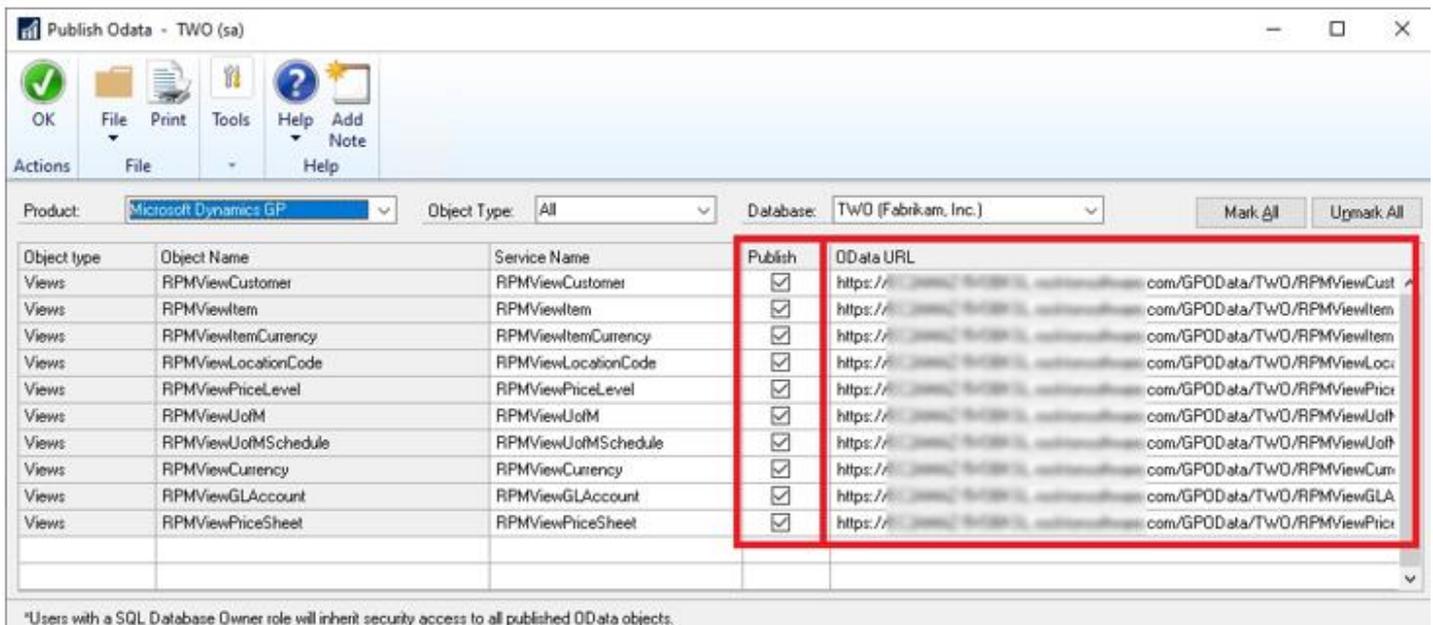
Part 4: Test the OData Connection

Test the OData Connection using a Browser
1. Navigate to **Tools | Setup | System | OData | Publish OData** within Dynamics GP.
2. Find the first object that starts with RPMView; copy the OData URL to your clipboard.
3. Open a browser and paste this URL into the address bar.
4. You should see results from that view, in JSON format, delivered via OData. If it was not successful, go to the next section Test the OData setup using Excel.
5. If it was successful, continue with step 2 for the next object in the list that starts with RPMView. If all objects can be displayed successfully, then your OData setup is complete.

Test the OData Connection using Excel
1. Open Excel by right-clicking and choosing Run as administrator.
2. In Excel, choose the 'Data' tab, then choose Get Data > From Other Sources > From OData Feed.
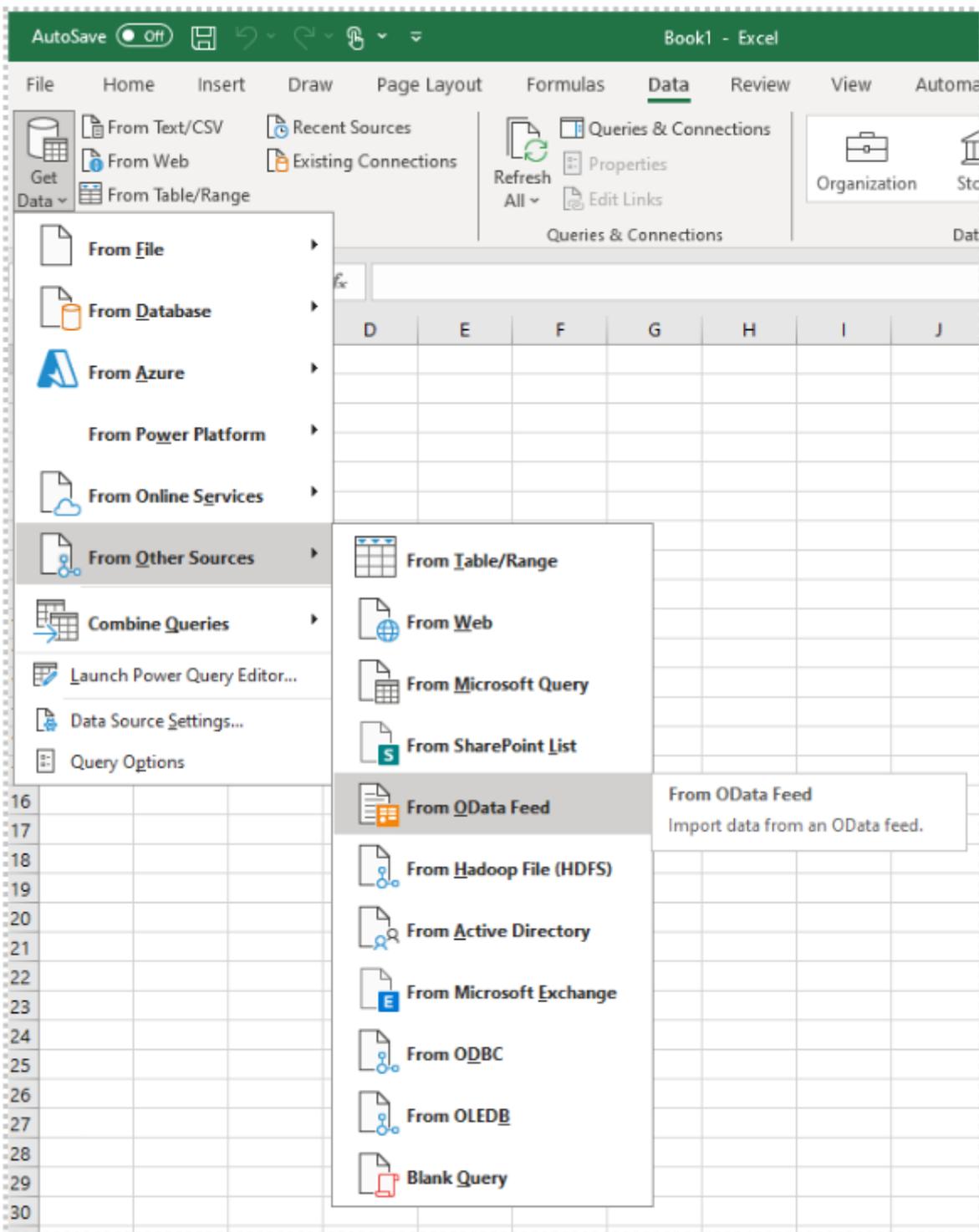
3. You may see the OData feed dialog below. Navigate back to the Publish OData window in Dynamics GP by going to **Tools > Setup > System > OData > Publish OData**.
4. Copy one of the displayed URLs.
5. Paste the URL into the Data Feed dialog box, ensuring to include only up to and including the database name, followed by a slash.

6. If you see the OData Feed Connection dialog below, select Windows from the green panel on the left.
7. Choose **Use alternate credentials**.
8. Enter the credentials for the AD user you set up earlier in the Prerequisites section.
9. Click **Save** to apply the settings.
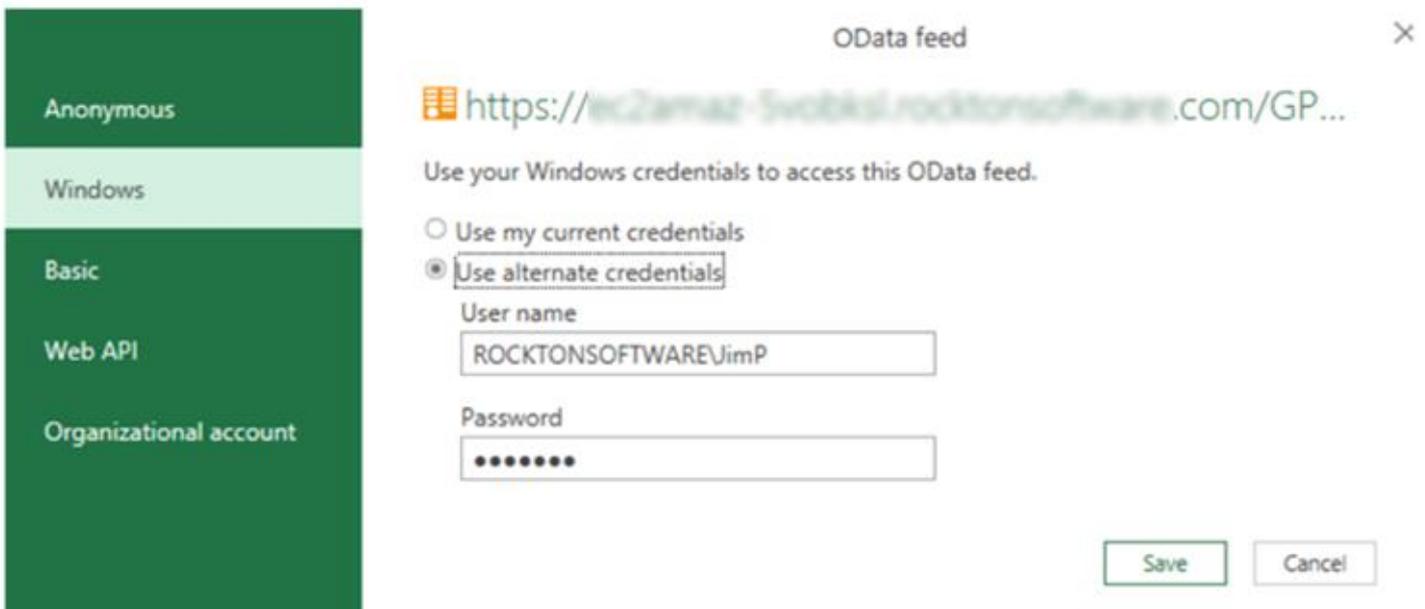
Note: You can also access this window by choosing the Get Data button > Data Source Settings. Then, select the data source you entered earlier in the OData Feed dialog and choose the Edit Permissions button. On the Edit Permissions window, choose the Edit button.

10. You should now see the Navigator window below. From here, you can select any of your OData sources to see a preview on the right side, or choose the Load button to load these results into Excel.
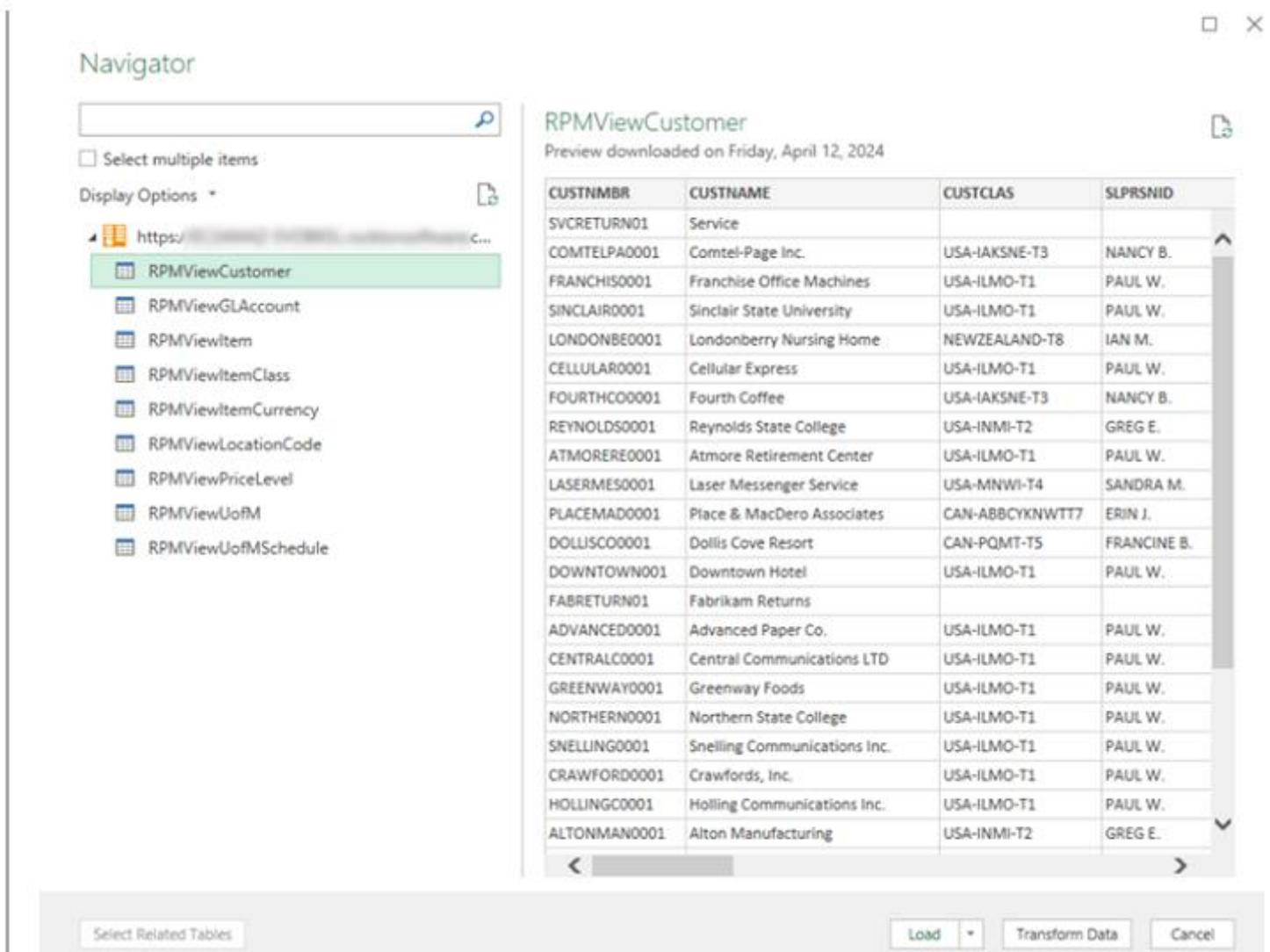
11. If Excel is not available, you may also use a similar approach to test using Power BI.

5.3. Uninstalling GP OData Service and the RPM Connector for GP

Uninstalling the GP OData Service

If you are not using the GP OData service for anything besides RPM, you can optionally uninstall it as follows:
1. Log in to the server where GP OData service was initially installed.
2. Run **setup.exe** from the Dynamics GP installation image.
3. Choose **GP OData Service** from the list. Then choose **Install** from the drop-down.
4. Choose **Remove** from the Program Maintenance dialog.
5. Follow the steps to completely uninstall the GP OData service.

If you wish to keep the GP OData service installed, you should remove the RPM data sources from it as follows:
1. Log in to the Dynamics GP client where the GP OData service was initially installed.
2. Unpublish RPM data sources by going to **Tools | Setup | System | OData | Publish OData**.

3. Select a database that has the RPM Connector for GP installed.
4. Unmark the Publish column for each RPMView object.
5. Repeat steps 3 and 4 for each company with the RPM Connector for GP installed.
6. Click **OK** to close the Publish window.
7. Remove RPM data sources by going to **Tools | Setup | System | OData | Data Sources**.
8. For Product, select Microsoft Dynamics GP for Product. For Database, select a company database where the RPM Connector for GP is installed. For Object Type, select Views. Click the Name column header to sort by Name.
9. Scroll down to find the views that start with RPMView. Unmark all views that start with RPMView.
10. Repeat step 9, selecting each company where the RPM Connector for GP was installed.
11. Click **OK** to close the Data Sources window.

Uninstalling the RPM Connector for GP

To completely uninstall the RPM Connector from your workstation and server, follow these steps:

1. Log in to Dynamics GP as any User with 'sysadmin' fixed server role or the 'db_owner' role for the DYNAMICS database.
2. Open the Rockton Pricing Management Setup window and click the Uninstall tab.
3. Click **Complete Uninstall** to completely uninstall from the server, or click **Workstation Uninstall** to remove it from the current workstation only.
4. Click **OK** on the message to close Dynamics GP.
5. Delete the following files from the Dynamics GP install folder (not all of them may be present):

RPM.DIC	PMTransaction.mac
RPM.cnk	RMTransaction.mac
RPM.VBA	SOPTransaction.mac
RPM_RocktonLicenseAgreement.txt	RocktonSoftware.RPMConnectorForGP.dll
Rockton Pricing Management Read Me.txt	Rockton Pricing Management Manual.pdf
SyncQueueInsertTrigger.sql	Rockton Pricing Management What's New.pdf
usp_RPMSyncQueue.sql	Any .sql files beginning with RPMView

6. Delete any files beginning with RPM from the Dynamics GP Data folder.
7. If you selected Complete Uninstall in step 3, log in to Dynamics GP with a User having access to the Security windows, and remove the RPM ADMIN Security Role and the ADMIN_RPM_01 Security Task.

Manually Uninstalling

Use the following steps to manually uninstall the RPM Connector.

Manually uninstalling from a Workstation

Perform these steps on each workstation where you want to remove the RPM Connector.

1. Edit the Dynamics.set file (found in the Dynamics GP installation directory) to remove the RPM

Connector entries. Follow these three steps:

a. The first line in the file should be a number. Subtract 1 from this number.

b. Remove these two lines.

- 8225
- Rockton Pricing Management

c. In the lower section of the file, you will find several path names. Remove those lines that reference the following dictionaries:

- RPM.DIC
- FRMS8225.DIC
- RPTS8225.DIC.

2. Delete the following files from the Dynamics GP installation folder (not all of them may be present):

RPM.DIC	PMTransaction.mac
RPM.cnk	RMTransaction.mac
RPM.VBA	SOPTransaction.mac
RPM_RocktonLicenseAgreement.txt	RocktonSoftware.RPMConnectorForGP.dll
Rockton Pricing Management Read Me.txt	Rockton Pricing Management Manual.pdf
SyncQueueInsertTrigger.sql	Rockton Pricing Management What's New.pdf
usp_RPMSyncQueue.sql	Any .sql files beginning with RPMView

3. If you plan to re-install RPM, skip this step. However, if you do not plan to re-install RPM, delete the following files from the Dynamics GP Data folder (not all of them may be present):

- FRMS8225.DIC
- RPTS8225.DIC

Manually uninstalling from the Server

Follow these steps to completely remove the RPM Connector from the system.

1. Launch SQL Server Management Studio.
2. Drop all tables in the DYNAMICS database that are named as follows:
   - RPMXX   *(where xx represents the table number)*
3. Drop all stored procedures in the DYNAMICS database names as follows:
   - zDP_RPMxxYYY   *(where xx is the table number and YYY is one of 11 possible suffixes)*
4. Drop all Views on each company database whose names begin with RPMVIew.
5. Drop the usp_RPMSyncQueue stored procedure.
6. Drop triggers from the following tables that are named as follows:

   RPM <tablename> INSERT
   RPM <tablename> UPDATE

Database	Table Name
DYNAMICS	MC40200
Each company database	GL00100, IV00101, IV00105, IV00108, IV40201, IV40202, IV40400, IV40700, IV40800, RPM00101

7. Log in to Dynamics GP with a User having access to the Security windows and remove the RPM ADMIN Security Role and the ADMIN RPM 01 Security Task.

5.4. Omni Price Migration

If you are migrating from Rockton Software's Omni Price product to Rockton Pricing Management (RPM), you can have both Omni Price and the RPM Connector products installed together, however, pricing will not be derived from the contracts in Omni Price. The benefit to having it installed is two-fold. First, you are still able to refer to any history that may be stored in Omni Price. Second, it may be useful to refer to your Omni Price Contract and Filter configuration while setting up RPM.

If you have both products installed, you will receive the following message after logging into Dynamics GP:

> *Rockton Omni Price will have limited functionality since Rockton Pricing Management is also installed. You will still be able to review setup information, but pricing calculations and other functionality will be disabled for Omni Price.*

5.5. About Rockton Pricing Management

Help | About Microsoft Dynamics GP | Additional | About Rockton Pricing Management

The About Rockton Pricing Management window displays the version of the Rockton Pricing Management Connector currently installed.
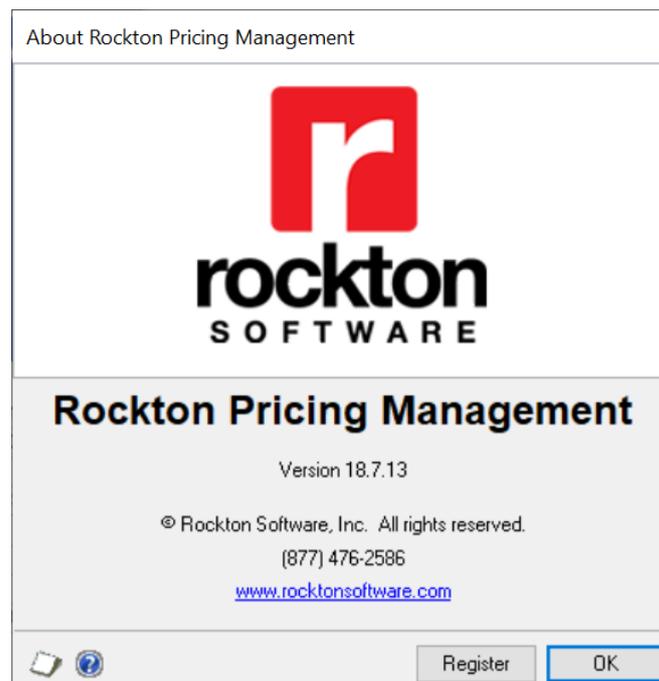
This window also provides the phone number to use to contact Rockton Software, and a link to our website.

6. Navigation and Settings Overview

6.1. RPM Navigation

Menu
There are multiple ways you may access the Rockton Pricing Management (RPM) windows within Dynamics GP. To open most of these windows, start by going to the RPM Setup menu within Dynamics GP. Navigate to **Microsoft Dynamics GP | Tools | Setup | Rockton Pricing Management** and then select the specific window you wish to use from the list.

Toolbar
After RPM is installed, shortcuts are added to the toolbar. The RPM icon on the toolbar provides access to a list of RPM windows that can be opened directly from the shortcut. Additionally, there is another icon on the toolbar that is a shortcut to the Process Rebates window.
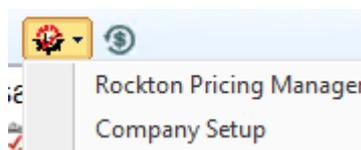
6.2. RPM Security Settings

Security in RPM can be administered via the following Security Items:

- RPM ADMIN Security Role
    - Used to set access to an Administrator of RPM.

- ADMIN_RPM_01 Security Task
    - Contains all windows necessary to setup and administer RPM. Typical Users do not need to have access to these windows.

- DEFAULTUSER Security Task
    - Contains all the windows that are required for the average User to be able to use RPM. No setup or administration windows are included.

6.3. Rockton Pricing Management Setup

Microsoft Dynamics GP | Tools | Setup | Rockton Pricing Management | Rockton Pricing Management Setup

Description
The Rockton Pricing Management Setup window allows you to perform setup and maintenance tasks. You can access this window by using the Rockton Pricing Management (RPM) shortcut available on the

toolbar. To access this window, ensure that you are logged in as a User in the RPM ADMIN Security Role or the POWERUSER Security Role.
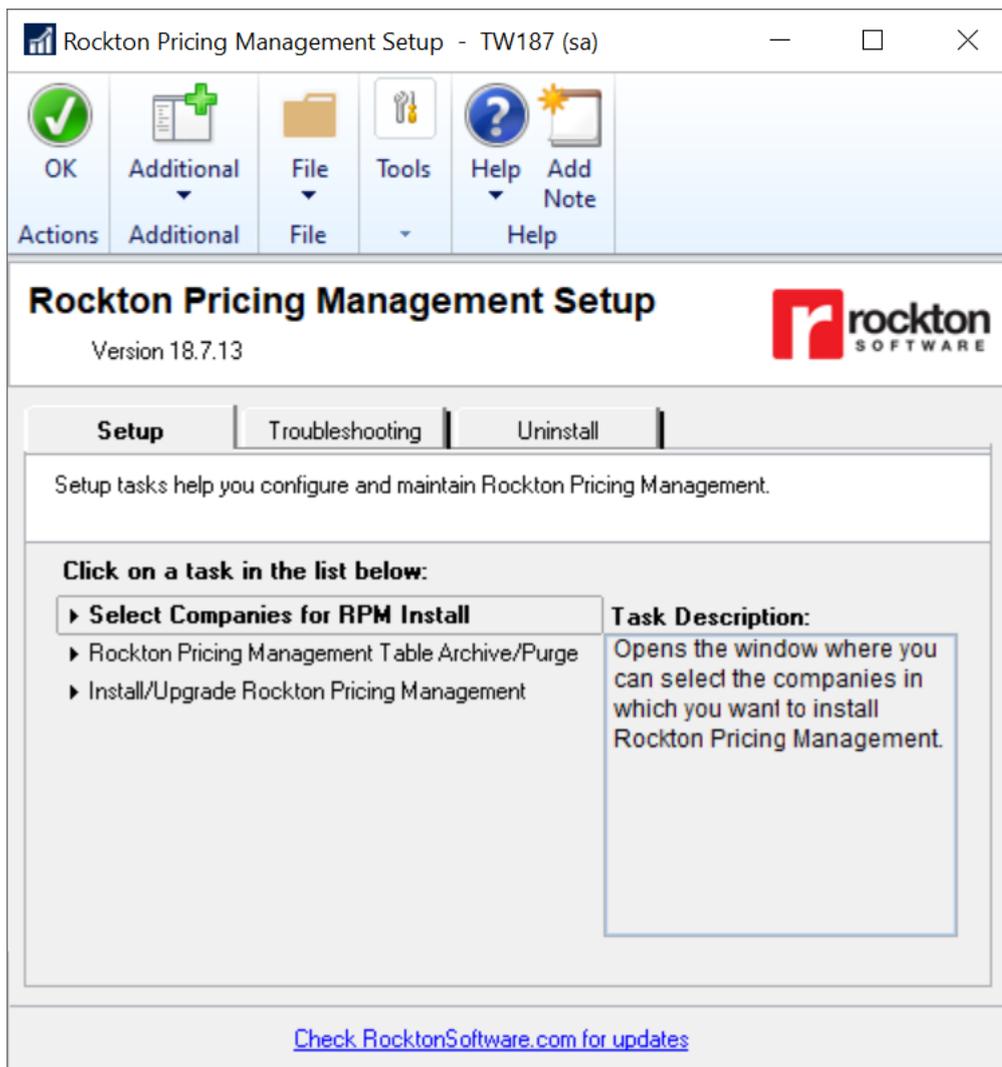
The Rockton Pricing Management Setup window provides access to all the necessary tasks for system configuration and maintenance. It is divided into three tabs:

1. Setup
2. Troubleshooting
3. Uninstall

To get a quick overview of each task, simply hover your cursor over any task in the list. To select a specific task, click on the task name.

If you click on the "Check RocktonSoftware.com for updates" link, you will be directed to the Downloads web page for this product. Here, you can verify that you have the latest build installed.

Detailed descriptions of the tasks available in each tab can be found in the following tables:

Setup tab
Setup tasks help you configure and maintain Rockton Pricing Management.

Task	Description
Select Companies for RPM Install	Opens the window where you can select the companies in which you want to install RPM.
Rockton Pricing Management Table Archive/Purge	Opens the Table Archive/Purge window, where you can purge, archive, or restore tables from RPM.
Install/Upgrade Rockton Pricing Management	This action Installs the software or upgrades it from a previous version. This process may take several minutes to complete and also configures table permissions for all users in the system database. You can execute this task multiple times without any adverse effects. **Note:** You must be logged in as a User who is in the 'sysadmin' fixed server role or the 'db_owner' role

Troubleshooting tab

These tasks are for troubleshooting purposes and may be asked for use by Rockton Support.

Task	Description
Re-add Security Data	This function adds Security Roles and Tasks for RPM, if they have been deleted. **Note:** You must be logged in as a User with access to run the Install/Upgrade option (as described above) or a User with Security access to both the Security Role Setup and Security Task Setup windows to use this option.
Move to First Position	Moves RPM to the first position in the launch file after Dynamics GP.
Remove from Launch File	Removes RPM from the launch file.
Rebuild Menus	Rebuilds menu navigation for RPM by first removing all menus from the Menu Master table. To complete the process, you must log in again to see the rebuilt menus.
Rebuild Toolbars	Removes and recreates default toolbar items for RPM.
Enable or Disable Script Logging	Enables or disables script logging either immediately or beginning the next time you log into Dynamics GP from this workstation.
Diagnostics Mode	This option may gather diagnostics, create log files, open the Code window, or other things that may be helpful to Rockton Support.

Uninstall tab

These tasks are for uninstalling RPM from a workstation or a complete uninstall.

Task	Description
Workstation Uninstall	Removes Rockton Pricing Management from the launch file. It also removes settings from the Defaults file.
Complete Uninstall	Rockton Pricing Management tables are removed from the database(s) and the product is removed from the launch file.

6.4. RPM Company Setup

Microsoft Dynamics GP | Tools| Setup| Rockton Pricing Management | Company Setup

Description

This window is used to enable Rockton Pricing Management (RPM) and configure company-wide settings for the company in which you are currently logged in. To access this window, you must be a User in the RPM ADMIN Security Role or the POWERUSER Security Role.

Enable Rockton Pricing Management for this Company
Enabling this check box will activate all RPM features for the current company. If left unchecked, GP standard pricing will be used.

RPM Company ID
Enter the company ID of the RPM company. This is found under the Current Company ID field in RPM under Settings.

Price Mode
Select the pricing mode that RPM should use when calculating a price:

- Dynamic – Always let RPM automatically determine the best Price Schedule to use on the Sales Transaction Line.
- Static – Always use the Price Schedule that is specified on the Sales Transaction Line.
- Hybrid – Provides you the flexibility to decide whether RPM determines the best Price Schedule or allows you to specify the Price Schedule. With this option selected, you can either allow the Price Schedule to default or specify the Price Schedule if the field is left blank.

Data Source
Select which Sales Order Processing date to use for RPM filters that require specific dates in the RPM web application. You may select one of the following:

- Document Date
- Requested Ship Date
- Quote Expiration Date

Prompt to break link with RPM when changing a price
When a user modifies the unit price or extended price on a sales transaction, this severs the link to the price calculated by the RPM web application. Mark this option to prompt the user for confirmation before proceeding with the change.

Display warning when RPM does not find a price
Enable this option to receive a warning when RPM is unable to determine a price during the price calculation process. This can occur when there are no pricing rules configured in RPM. If no price is found in RPM, GP standard pricing will be applied.

Display message when recalculation changes the Unit Price
Mark this option if you want to receive a message when the Unit Price is changed as a result of the recalculation process.

Show progress during Batch Recalc
Mark this option to see a progress bar while a batch recalculation is in progress.

Shortcut key assignments
You have the flexibility to customize the default shortcut keys assigned to any of these actions. These shortcuts are activated by pressing Ctrl and the assigned key.

- Sales Line Details – Open the Sales Line Details window from the following windows:
    - Sales Transaction Entry
    - Sales Item Detail Entry
    - Sales Transaction Inquiry Zoom
- Recalculate Line – Call RPM to determine the current price for the current line from the following windows:
    - Sales Transaction Entry
    - Sales Item Detail Entry
- Recalculate Transaction – Call RPM to determine the current price for all lines of the current transaction from the following window:
    - Sales Transaction Entry
- Recalculate Batch – Call RPM to determine the current price for each transaction in the current batch from the following window:
    - Sales Batch Entry
- Show Adjustment – Open the Rockton Pricing Management - Adjustment Details window from the following window:

o   Sales Distribution Entry

Note: You may also perform any of these actions from the Additional menu on their respective windows.

Web Service - URL
Enter the URL of your RPM Web Service.

# 6.5. Document Attributes Setup

Microsoft Dynamics GP | Tools | Setup | Rockton Pricing Management | Document Attributes Setup

Description
This window is used to specify additional fields to be used in pricing calculations. When calculating a price on a sales document, Rockton Pricing Management (RPM) will use the following fields to determine that price:

- Customer Number
- Date
- Currency ID
- Item Number
- U of M
- Quantity
- Site ID
- Price Schedule ID
- Unit Price

You may find it useful to include other values from the sales transaction when determining a price. These added elements are referred to as Document Attributes. Within this window, you specify which Document Attributes should be passed to RPM each time it tries to calculate a price.
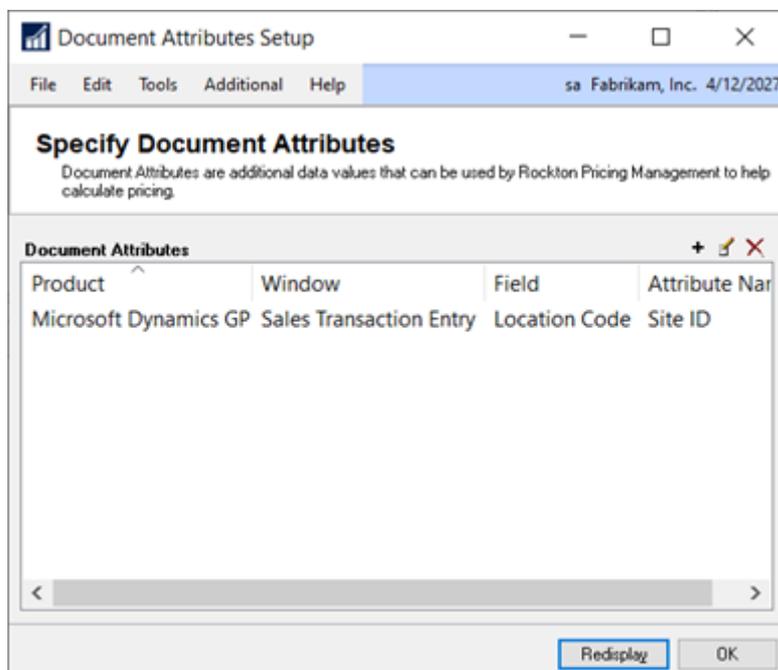
Add Document Attribute button

This button (**+**) enables you to define one or more new Document Attributes. When you click the button, you will be presented with two options:

- Choose from Sales Transaction Entry window
- Select from a list of fields

Choose from Sales Transaction Entry window

Select this option to access the Sales Transaction Entry window. You will see the following message:

Move your cursor to a Sales Transaction Entry window field that you want to be a Document Attribute.

Then click Add at the bottom of the Document Attributes Setup window. Repeat as needed.

Determine which field from the Sales Transaction Entry window you would like to use to determine pricing and place your cursor in that field. It may be necessary to enter other relevant fields first to enable the desired field. At the bottom of the Document Attribute Setup window, you will see an "Add" button and the name of the field you have chosen as well as its window name.
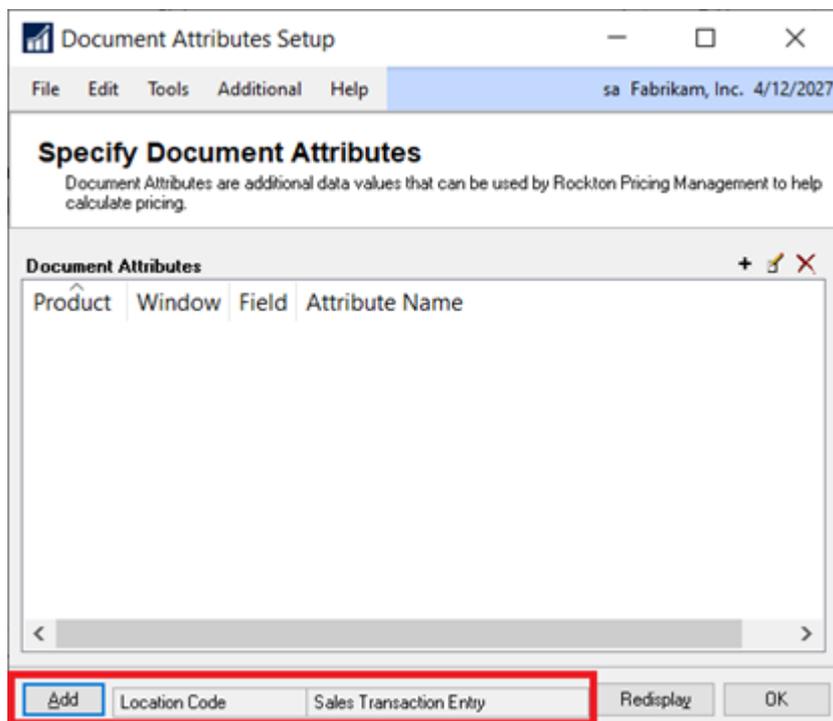
If the selections appear correct, click the "Add" button to include the chosen field in the Document Attributes list. Continue to select additional fields by moving to each field and clicking the "Add" button. Once you have finished, click "OK" in the Document Attributes Setup window.

Select from a list of fields

Choosing this option will open the Window Fields Lookup window:
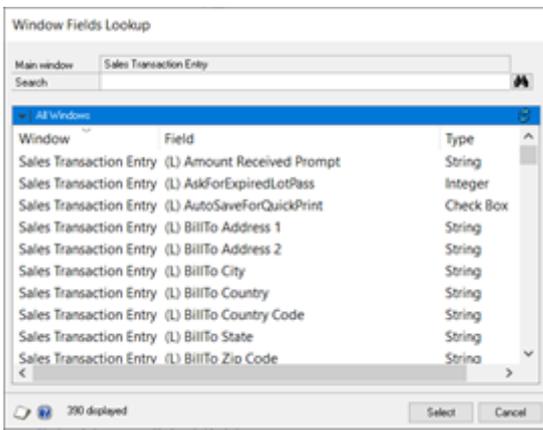
You might prefer this method if the field you want is not visible on the Sales Transaction Entry window, but you know its name.

Choose a field from the list and click the "Select" button to add it to the Document Attributes list within the Document Attribute Setup window.

Edit Document Attribute Name button
By clicking this button (✏️) you can modify the attribute name of the Document Attribute you have chosen in the list. This name should match what you have defined for this attribute within the RPM web applicaiton.

Remove Document Attribute(s) button
This button (❌) permits you to delete Document Attributes from the list. You have the option to select multiple attributes and remove them by using the Ctrl or Shift keys.

To Create a Document Attribute:

1. Navigate to **Microsoft Dynamics GP | Tools | Setup | Rockton Pricing Management | Document Attributes Setup** or use the **RPM shortcut** and click **Document Attributes Setup.**
2. Click **Add Document Attribute (+)**.
3. Click **Choose from Sales Transaction Entry window** or **Select from a list of fields**, depending on the field you are adding as an attribute.
4. Confirm your choice by clicking **OK** to the prompt.
5. Click the field you wish to add as an attribute and then click **Add**.
6. Enter the name of the Document Attribute exactly as it is defined in RPM.
7. Add any additional attributes as needed, or click **OK** to close the windows.

To Edit a Document Attribute:

1. Navigate to **Microsoft Dynamics GP | Tools | Setup | Rockton Pricing Management | Document Attributes Setup** or use the **RPM shortcut** and click **Document Attributes Setup.**
2. Highlight the Document Attribute you want to edit and click **Edit Document Attribute Name** (✏️).
3. Enter the **Attribute Name** as it is defined in RPM.
4. Click **OK**.
5. To close the Document Attributes Setup window, click **OK**.

To Delete a Document Attribute:

1. Navigate to **Microsoft Dynamics GP | Tools | Setup | Rockton Pricing Management | Document Attributes Setup** or use the **RPM shortcut** and click **Document Attributes Setup.**
2. Highlight the Document Attribute you want to delete and click **Remove Document Attribute** (✖).
3. When prompted with a message confirming the delete, click **Delete.**
4. Click **OK** in the Document Attributes Setup window to close the window.

6.6. Report Options

Microsoft Dynamics GP | Tools | Setup | Rockton Pricing Management | Report Options

Description

This window is used to configure default options for reports available within Rockton Pricing Management (RPM).
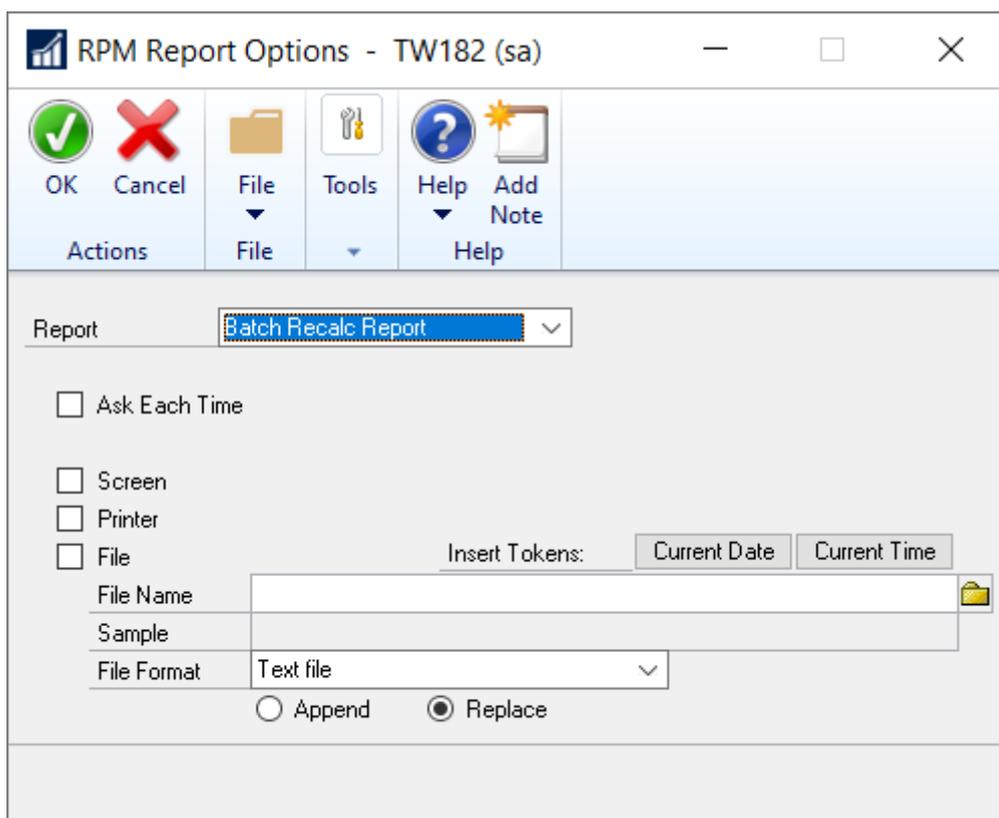
Report
From the drop-down, select the report for which you wish to configure settings.

      Batch Recalc Report - This report is generated after executing the Recalculate Batch option from the Sales Batches   window in Dynamics GP.

Ask Each Time
Enable this check box if you want to receive a prompt to select the report location each time you print. When this check box remains unmarked, the report will print according to the settings designated in this window.

Screen
Mark this check box to automatically print the report to the screen each time.

Printer

Mark this check box to automatically print the report to a printer each time.

File

Mark this check box to automatically send the report to a file each time.

Insert Tokens

Click Current Date or Current Time to include these tokens in the file name. When the report is printed, these tokens will become part of the file name. For example, *BatchRecalcRpt%DATE%%TIME%.*

File Name

Specify the file name you want to assign to the report being saved to a file. Use the Insert Tokens to enhance the file name with descriptive information regarding when it was printed.

Sample

Displays an example of what the file name will look. This is especially helpful if you are using the tokens. For example, *BatchRecalcRpt101820231028PM*.

File Format

Choose the desired file format from the drop-down menu when printing the report to a file. The available options include:

- Text file
- Tab-delimited file
- Comma-delimited file
- HTML file
- XML Data file

Append

Select this option to append the existing file when printing the report to file.

Replace

Select this option to replace the existing file with the new file when printing the report to file.

6.7. Dismissed Dialogs

Microsoft Dynamics GP | Tools | Setup | Rockton Pricing Management | Dismissed Dialogs

Description

In Rockton Pricing Management (RPM), some alert messages include a check box labeled "Don't show this message again" in the lower-left corner. Checking this box will prevent the message from appearing the next time you perform that action. If you decide you want to see the message again after dismissing it, you can modify the setting in the Dismissed Dialogs window by clearing the check box.
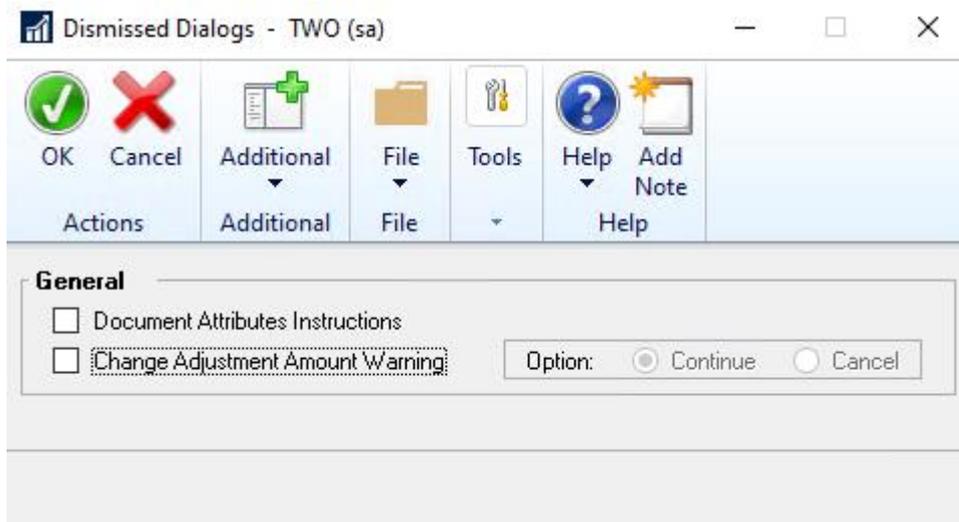
When you first enter this window, the messages that you have dismissed will be checked. By unchecking a message, it will be displayed the next time you perform the associated action. Similarly, any unchecked messages can be dismissed within this window by checking the respective check box.

Dismissed messages are specific to each user, so modifying these settings will only affect what you see, and not what other Users see.

Document Attributes Instructions
If you enable this option, the following message will no longer be displayed when you click the "Add Document Attribute" (+) button within the Document Attributes Setup window.
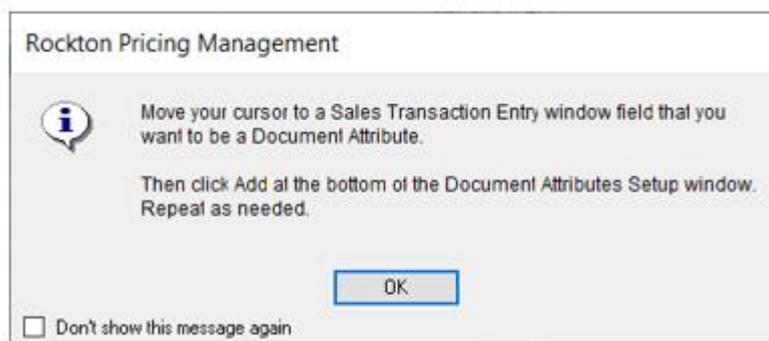
When you receive this message, you have the option to mark the "Don't show this message again" check box to prevent that message from reappearing. If you wish to be prompted with this message in the future, open the Dismissed Dialogs window and unmark the "Document Attributes Instructions" check box.

Change Adjustment Amount Warning
Enabling this option suppresses the message that you typically receive when editing a Price Adjustment. To reinstate this prompt, unmark the "Change Adjustment Amount Warning" option if you wish to receive the prompt again.

Rockton Pricing Management

> ⚠️ Editing a Price Adjustment will NOT recalculate other adjustment amounts that are dependent on this one. Also, Diagnostics will not reflect any changes you make here. Do you want to continue?

[Continue]   [Cancel]

☐ Don't show this message again

7. Transaction Information

7.1. Sales Transaction Entry

Transactions | Sales | Sales Transaction Entry

Description

Rockton Pricing Management (RPM) is seamlessly integrated into the Dynamics GP Sales Transaction Entry window, ensuring a smooth and streamlined experience. As transactions are entered, the GP Connector communicates with the RPM web application to return the calculated price.
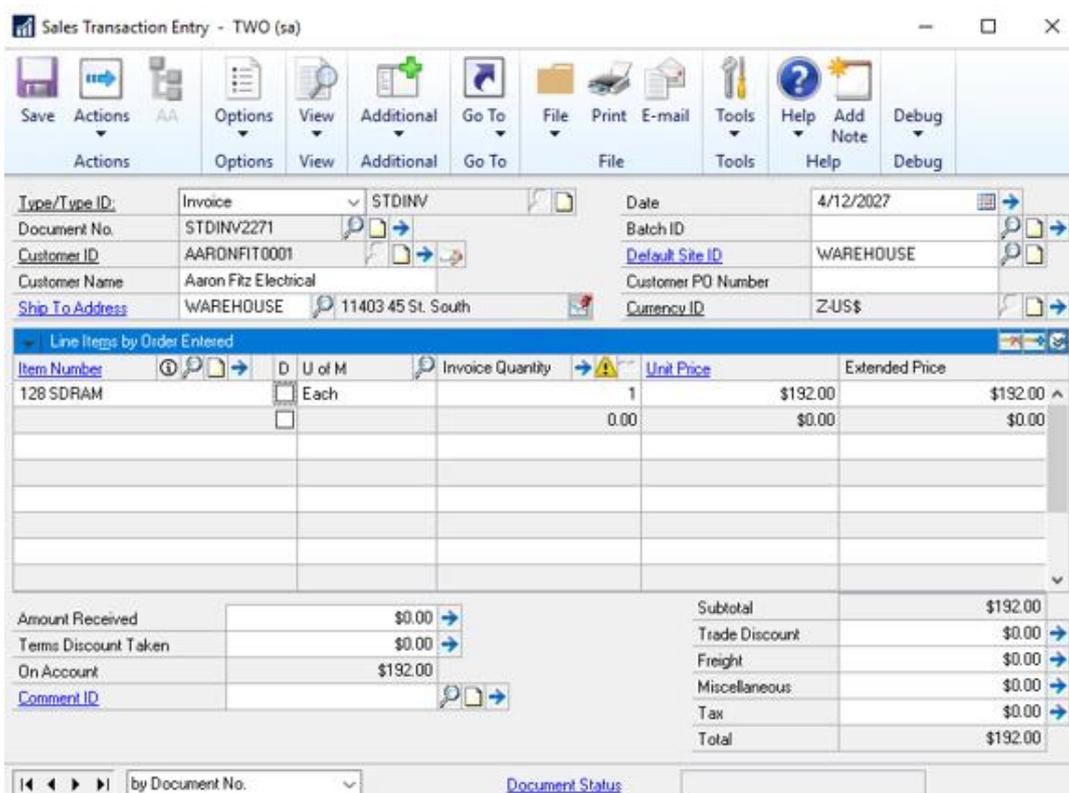
When you enter a transaction and pricing criteria have been defined, RPM retrieves the specified price and populates it into the Unit Price field. If RPM cannot find a price for the given criteria, it uses the Unit Price and Price Level configured within Dynamics GP. In the event that RPM resorts to using the Dynamics GP price, a warning dialog opens:
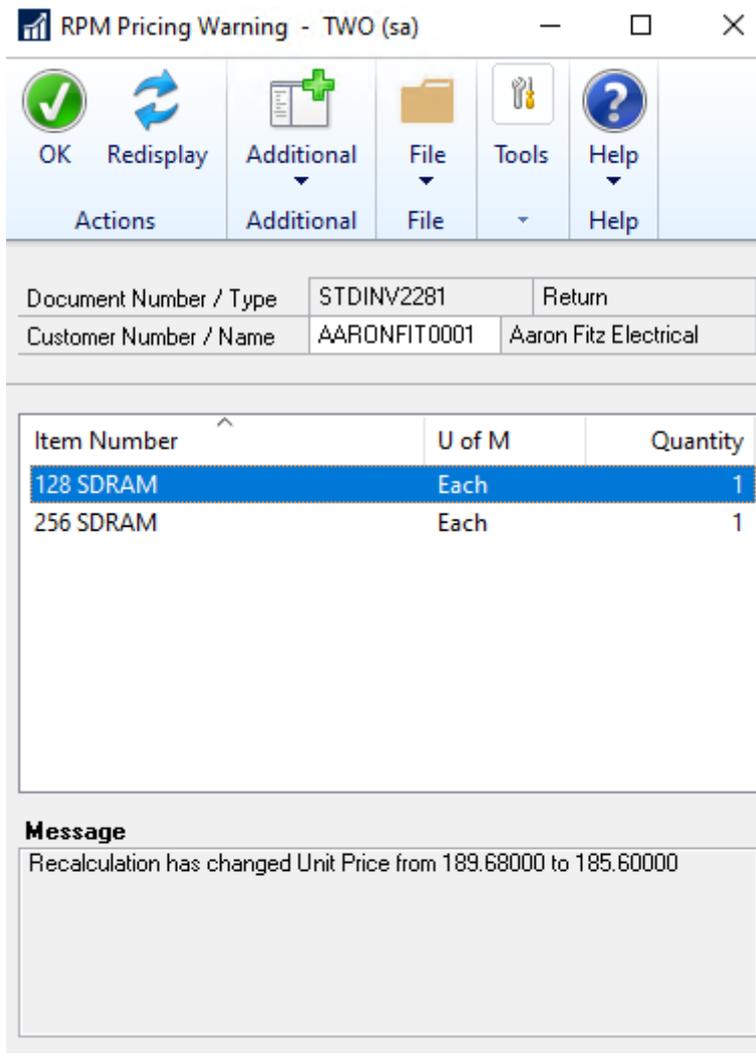
Note: If you do not wish to receive this message, you can disable it from the RPM Company Setup window. Simply, unmark the "Display warning when RPM does not find a price" option.

In addition to the Unit Price, the Price Schedule ID used by RPM in the price calculation is returned to the Price Level field on the sales line of the transaction. To access this field, click the "Show Details" button which displays the details of the line.

If you are using the Static Price Mode (see the section on the RPM Company Setup window for more information on Price Mode), the Price Level will automatically default based on the Dynamics GP setup.

> *In order to use RPM and the GP Connector, it is essential that all set ups pertaining to Sales and Inventory are complete in Dynamics GP. For example, the Price Schedule IDs in RPM correspond to the Price Levels in Dynamics GP. Therefore, you must ensure that any Price Schedule IDs used in RPM are set up in Dynamics GP as Price Levels and are assigned to Customers or Items as appropriate.*

7.2. Price Adjustments

Transactions | Sales | Sales Transaction Entry - Additional | RPM - Sales Line Details

Description
You can to configure Rockton Pricing Management (RPM) to return additional Price Adjustments along with the Unit Price for your Items. These adjustments are defined within the RPM web application as Price Calculations. For more information on Price Calculations, view the Help in the RPM web application.

To access the Price Adjustments for a specific line item, place your cursor anywhere within the desired line and then click **Additional | RPM – Sales Line Details**. You may also use the shortcut key, which by default is **Ctrl+Z**, to open the RPM - Sales Line Details window:
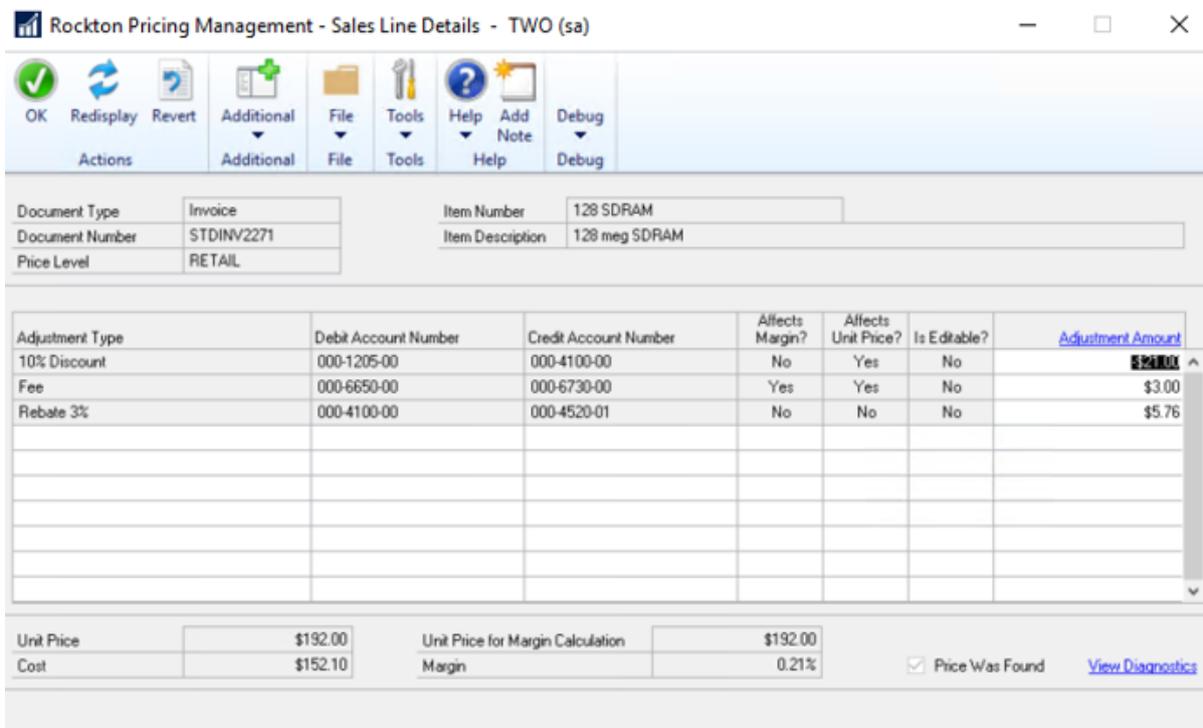
The Rockton Pricing Management – Sales Line Details window displays a list of each Adjustment returned from RPM for the selected line item. The fields located at the window's top section are sourced from the initially selected Sales line item. The columns within the list are determined by the RPM web application configuration and are as follows:

Adjustment Type
This is defined within the RPM web application and cannot be modified from this window.

Debit and Credit Account Numbers
For every Adjustment two distributions is generated for the sales document: one Debit and one Credit. When the Adjustment Amount field is a positive value, the following distributions will be created:

Account Number	Debit Amount	Credit Amount
Debit Account Number	If Adjustment Amount is positive → Adjustment Amount If Adjustment amount is negative → 0.00	If Adjustment Amount is positive → 0.00 If Adjustment Amount is negative → -1 * Adjustment Amount
Credit Account Number	If Adjustment Amount is positive → 0.00 If Adjustment amount is negative → -1 * Adjustment Amount	If Adjustment Amount is positive → Adjustment Amount If Adjustment amount is negative → 0.00

See the Sales Distribution Entry window section for more information about viewing the Distributions for a sales document.

Affects Margin?
If "Yes", then the Adjustment Amount is applied to the Unit Price value used when calculating the margin calculations. This value corresponds to the "Unit Price for Margin Calculation" field located at the lower section of this window.

Affects Unit Price?
If "Yes", then the Adjustment Amount is applied to the Unit Price that is returned to the sales transaction.

Is Editable?
If "Yes", the user can modify the Adjustment Amount. When the adjustment is changed, you will receive the following prompt.
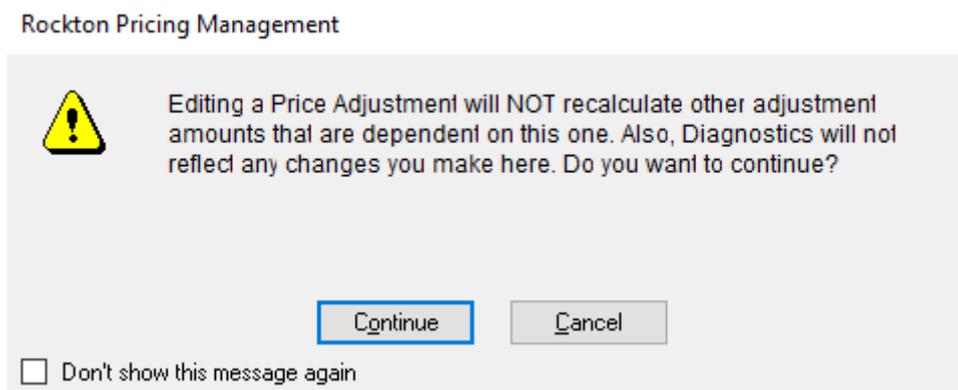
You can dismiss this dialog to prevent it from displaying in the future. If you wish to re-enable the prompt, you can do so in the Dismissed Dialogs window.

If "No" is selected, and the user attempts to modify the Adjustment Amount, their change will be reversed, and they will receive the following message:
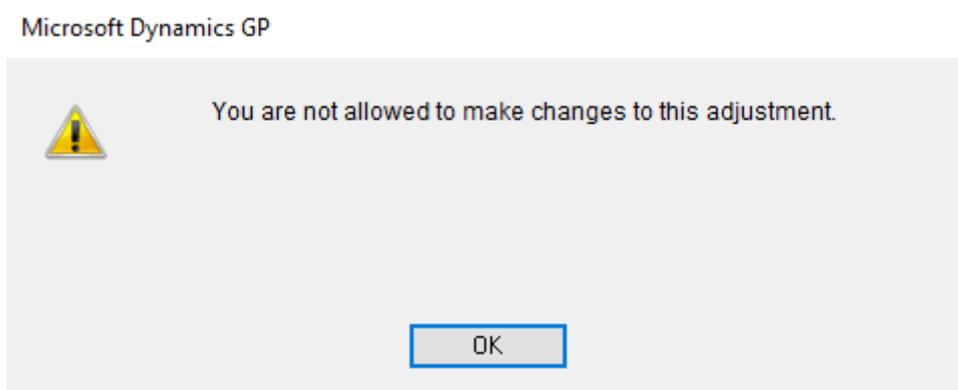
Adjustment Amount
The Adjustment Amount is the value of the adjustment applied to the Unit Price. When RPM returns a price, it includes the Adjustment Amount, so these amounts are already considered into the returned price. If the user modifies an Adjustment Amount later, the Unit Price is adjusted by the difference between the original amount calculated by RPM and the new value entered by the user for that adjustment.

Example 1
Let's say RPM initially calculated a Unit Price of $100.00 with an adjustment of $5.50. If "Is Editable?" and "Affects Unit Price?" are both set to "Yes", and the user changes the Adjustment Amount from $5.50 to $10, the Unit Price is adjusted by the difference, which is $4.50. The new Unit Price is now $104.50. If the user later changes it from $10 to $12, the Unit Price is adjusted by and additional $2, resulting in a Unit Price of $106.50. This is because $12 is $6.50 more than the original amount calculated for this adjustment ($5.50).

Example 2
Using the same initial Unit Price of $100.00 with the same adjustment as in the previous example, but with "Affects Unit Price?" set to "No". In this case, it does not matter how much or how many times the user changes the Adjustment Amount; the Unit Price will always remain at $100.

An adjustment may also affect the Unit Price value used in calculating of Margin. Instead of considering the "Affects Unit Price?" field, you would refer to the "Affects Margin?" field to determine whether an adjustment impacts the Unit Price value used in Margin calculation. For more details on how Margin is calculated, refer to the Margin field below.

You can easily revert any changes made to Adjustments back to their original values when RPM initially calculated them by clicking the "Revert" button in the ribbon.

Unit Price
The Unit Price is the price returned to the Unit Price field on the Sales transaction.

Cost
The Cost amount as taken directly from the sales transaction and is not calculated by RPM. However, it is used to calculate Margin. For more information on how Margin is calculated, refer to the description of the Margin field.

Unit Price for Margin Calculation
The price used in calculating Margin. It may differ from the Unit Price on the Sales transaction because certain Adjustments may affect Margin, but not Unit Price. For more information on how Margin is calculated, refer to the description of the Margin field.

Margin
The Margin is calculated as follows:

Margin = (Unit Price for Margin Calculation - Cost) / Unit Price for Margin Calculation

Price Was Found
When marked, this field indicates that RPM successfully calculated a price for this item. If RPM did not calculate a price, this check box remains unmarked.

Diagnostic Details
Clicking this hyper-link opens the Diagnostic Details window, which displays all the decisions made by the RPM web application during the calculation of this price. This window is typically used to help understand the price calculation process or when troubleshooting potential pricing issues.
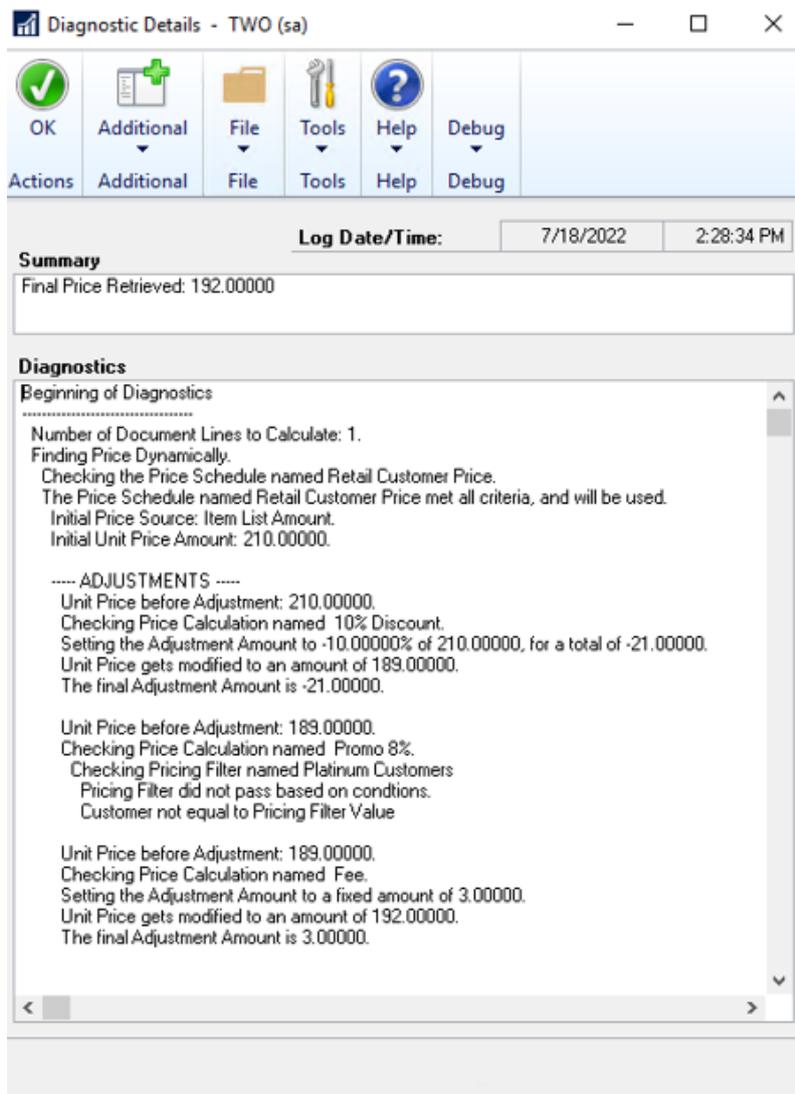
By default, the diagnostic information is stored for 7 days, at which point it is purged in RPM. If the data has been purged for the record and you click View Diagnostics, you will receive the following message:
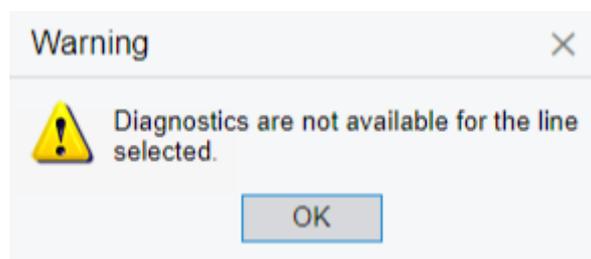
For more information on purging diagnostics, review the RPM Help files.

Adjustment Details
To view the comprehensive details of an adjustment calculated by RPM, place your cursor on an adjustment line, and open the Rockton Pricing Management - Adjustment Details window using one of the following methods:

- Click the Adjustment Amount hyper-link
- Navigate to the Additional menu and click RPM - Show Adjustment
- Use the shortcut key, which is CTRL+A (by default)

Manual Edit of Unit Price

You can override the price calculated by RPM by manually entering a new Unit Price or Extended Price. When you do this, it severs the connection to RPM for that sales transaction line, and you won't be able to access the Rockton Pricing Management – Sales Line Details window for that line anymore.

If you want to re-establish the link to RPM, you must perform an action that triggers the recalculation of the Unit Price by RPM. For further details, refer to the section on Recalculating a Price.

7.3. Recalculating a Price

Description

You may want to recalculate the price for a Sales transaction. Some examples are:

1. You've manually changed the price on a transaction.
2. Your Price Schedule configurations have changed, and you want to apply the current price.
3. The line was entered previously, and you want to verify the price is still valid.

Recalculate Option

If you would first like to see what the recalculation would do, you can use the RPM Recalculate Option to go through a preview of the calculation. Using this option will return the recalculated amounts in a window without actually changing the price. This will allow you to see what the recalculated price will be before you changing it.

To access this feature:

1. Open the **Sales Transaction Entry** window.
2. Click the **Additional** menu.
3. Select **RPM Recalculate Option**.

For the Recalculate option, choose Current Line or Whole Transaction depending on whether you want to

see the recalculation amount for the line you are on or all lines on the transaction.
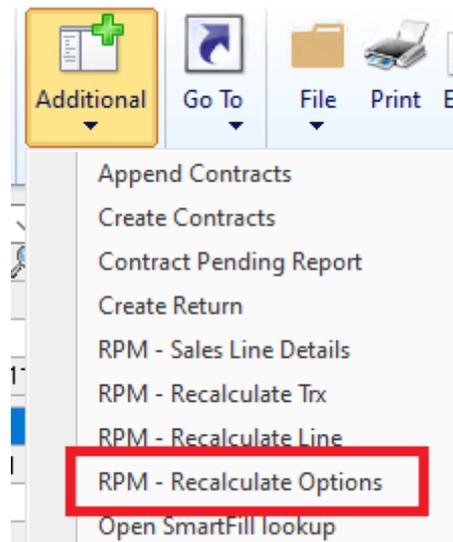
If you only want to see the potential change, then mark the 'Show changes, but do not change prices.' checkbox. You can unmark this option if you want to move forward with changing the price on the transaction after the recalculation and see the pop-up window displaying the price changes for the transaction.
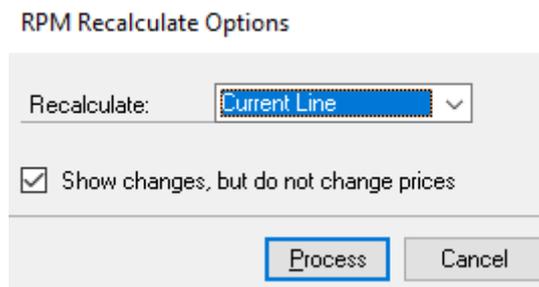
When you click Process, the RPM Pricing Warning window will open and display the Items that were recalculated and the new prices.
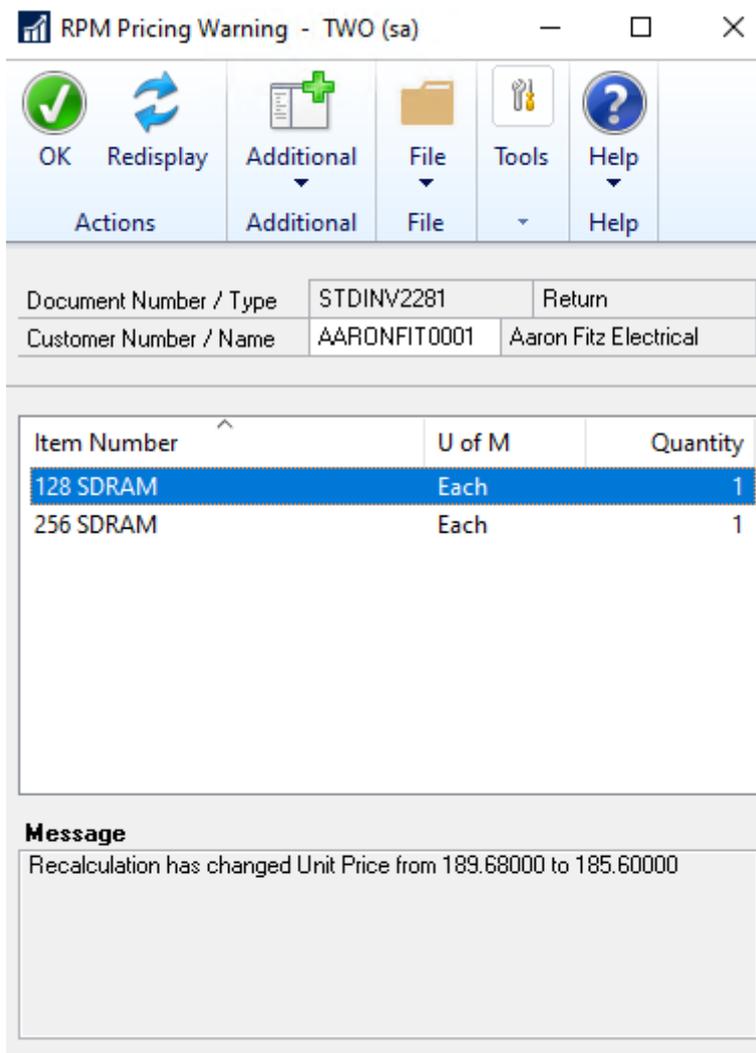
Recalculate Methods

There are three ways RPM can recalculate; a single line on a sales transaction, all lines on a transaction, or all transactions in a batch.
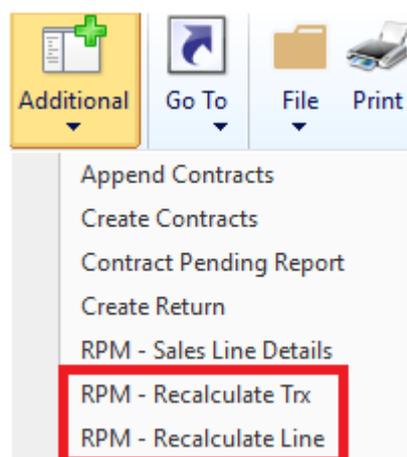
Recalculating a single line

(Transactions | Sales | Sales Transaction Entry - Additional | RPM - Recalculate Trx)

To recalculate a single line, access the Sales Transaction Entry window or the Sales Item Detail Entry window. From the Additional menu, click "RPM – Recalculate Line" (or use the shortcut key, which is CTRL+R by default). Make sure to place your cursor on the line you want to recalculate. You are

prompted to confirm the request:

> *RPM: About to recalculate the pricing for this line. Continue?*

Click "Yes" to proceed with the recalculation or "No" to cancel.

Alternatively, a recalculation can be initiated when modifying a field on the line or on the transaction header, which RPM uses to determine the price for this line. This action triggers the price to recalculate using the current RPM pricing setup, even if the link to a previous Price Schedule had been broken for this line item. In this case, there won't be a confirmation first, the price recalculates automatically.

Once the recalculation is complete and the unit price has been adjusted, a warning notification will inform you of the price change. If you do not want to receive this warning message after a recalculation, you can unmark the "Display message when recalculation changes the Unit Price" check box in RPM Company Setup.

Recalculating an Entire Transaction

(Transactions | Sales | Sales Transaction Entry - Additional | RPM - Recalculate Line)

You can recalculate the entire transaction using either the Sales Transaction Entry window or the Sales Item Detail Entry window. Open the Additional menu (or use the shortcut key, which is CTRL+T by default), and a confirmation prompt will appear:

> *RPM: About to recalculate the pricing for this document. Continue?*

Click "Yes" to proceed with the recalculation or "No" to cancel.

Once the recalculation is complete and the unit price has adjusted, a warning notification will inform you of the price change. If you do not want to receive this warning message after a recalculation, you can unmark the "Display message when recalculation changes the Unit Price" check box in RPM Company Setup.

Recalculating an Entire Batch

(Transactions | Sales | Sales Batches - Additional | RPM - Recalculate Batch)

You have the option to recalculate the batch or print the Recalc Batch report. By clicking the RPM - Recalc Batch report only option, a report will print displaying the recalculation details for the batch selected in the window. This is a helpful option if you want to verify new pricing before updating the transactions.

To recalculate an entire batch, open the Sales Batch Entry window and from the Additional menu (or use the shortcut key, which is CTRL+B by default), click RPM - Recalculate Batch. You will then receive a prompt to confirm:

> *RPM: About to recalculate the pricing for this batch. Continue?*

Click "Yes" to proceed with the recalculation or "No" to cancel. If you choose "Yes", a progress bar will appear, indicating the number of records to be recalculated and how many have already been recalculated.

When the recalculation is complete, the RPM Batch Recalc Messages report will be generated and displayed, displaying any records where the price has been changed.

7.4. Sales Distribution Entry

Transactions | Sales | Sales Transaction Entry | Distributions

Description

The Sales Distribution Entry window displays the distributions for the current Sales Document. If you are using Price Adjustments within RPM and have marked to Track Adjustments on the Price Calculation, these adjustment distributions will also be displayed here.

RPM creates two distributions (one debit and one credit) for each Adjustment record that is associated with a sales line item price that was calculated by RPM. These distributions have a Type of "MISC" and may not be edited or deleted by users as they are controlled by RPM.

You can modify the values by making changes to the Adjustments (see the section on Price Adjustments for more information). Additionally, You can access Adjustments details for any distributions generated by RPM. Simply position your cursor over the desired distribution and click "RPM - Show Adjustment" from the Additional menu (or choose the shortcut key, which is CTRL+A by default). This action opens the Rockton Pricing Management – Adjustment Details window.

7.5. Process Price Adjustments

Description

RPM offers a great way to track rebates, royalties, commissions, and other calculations. Using the Process Price Adjustments window, you can create a batch from Price Adjustments that are linked to specific GL Accounts. You can create a document within Receivables Management, Sales Order Processing, or Payables Management for the rebate so you can send an invoice or payment to a Customer or Vendor. While this feature is commonly used for Rebates, it is also applicable to other types of Price Adjustments, such as royalties, commissions, and fees.

Rebate Batch ID
Enter a Batch ID for the rebate batch you are creating.

Description
Enter a brief description for the rebate batch you are creating.

Batch Status

Displays the current status of the batch. One of the following processes may appear:

Status	Definition
New	Status before the Rebate Batch being saved.
Pending	The batch has been saved, but a document has not been created in the corresponding module.
Processed	The batch has been successfully created and processed, with the selected document created in the corresponding module.
Disassociated	A batch was created, and Price Adjustments assigned. The document was created in the corresponding module, but then the Price Adjustments were disassociated from the batch, so they are no longer assigned to the batch. These Price Adjustments can now be associated to a different Rebate Batch and processed. However, the document that was created prior to the disassociation must be manually deleted. A batch may only be disassociated after it has been processed.
Needs Review	The Process was interrupted while trying to create the rebate document in the sub-ledger. You may Process the batch again with the following options. • Open the document and make any necessary changes to ensure its validity or delete the document so a new one may be created. • If a valid document already exists, mark the Rebate Batch as processed. • Cancel the operation.

Batch Total
Displays the total dollar amount of the Price Adjustments marked to be included in the batch.

Batch Count
Displays the total number of Price Adjustments included in the rebate batch.

Debit/Credit Action
Select whether you want to Add Debits and Subtract Credits or Add Credits and Subtract Debits for the Price Adjustments.

Account Number
Select the Account Number associated with the Price Adjustments for which you intend to construct the rebate batch. A single batch may be linked to one Account Number.

Document to Create
Select the type of document you wish to create from the batch. The following options are available:

Document Type	Definition
Credit Memo	Creates a Credit Memo in Receivables Management. When selected, the Customer Number field is made available.
Receivables Invoice	Creates a Sales/Invoice in Receivables Management. When selected, the Customer Number field is made available.
Sales Quote	Creates a quote in Sales Order Processing. When selected, the Customer Number and Item Number field is made available.

Sales Order	Creates an order in Sales Order Processing. When selected, the Customer Number and Item Number field is made available.
Sales Invoice	Creates an invoice in Sales Order Processing. When selected, the Customer Number and Item Number field is made available.
Payables Invoice	Creates an Invoice in Payables Management. When selected, the Vendor Number field is made available.

Document Number

Manually enter the Document Number you wish to use for the rebate batch transaction. When you mark the Price Adjustments and click "Process", the document is created in the corresponding module. The transaction will be posted in the sub-module where it was created. If a document has been created, a green check mark appears next to the Document Number field.

Batch ID

Create a new Batch ID or select an existing batch from the sub-module where you wish to save the newly created document for the rebate.

Customer Number/Vendor Number

Select the Customer or Vendor to whom you wish to issue a rebate transaction. The field changes based on what is selected in the Document to Create field.

Document to Create Option	Fields Displayed
Receivables Invoice	Customer Number
Sales Quote, Sales Order, Sales Invoice	Customer Number, Item Number
Payables Invoice	Vendor Number

Item Number

Choose the Item Number to be assigned on the Sales Document created from the Rebate Batch. This field is available when "Sales Quote", "Sales Order", or "Sales Invoice" is selected in the "Document to Create" field. The Item Number is the Item that has been determined for use with these Price Adjustments.

Filter by Adjustment Name

Filter the Price Adjustments listed based on Adjustment Name to narrow down the displayed results.

Price Adjustment Grid

This grid displays the Price Adjustments associated with the chosen Account Number for this Rebate Batch. In order to select the price adjustments, you must first save the batch. Once saved, the Mark/Unmark options are available.

Additionally, you can access more details about a specific record by selecting it and then use the drill-back icon.

When viewing the grid, you may change the Show field to one of the following options:

Show	Display
Show All	Show all Price Adjustments tied to the Account Number

	selected.
Show Selected	Show those Price Adjustments tied to the Account Number selected.
Show Available	Show those Price Adjustments that have not been marked for the batch.

Create a Price Adjustments Batch

A Price Adjustments Batch can be created for each Account Number associated with a rebate. Only one Account Number can be used per batch.

1. Open the Process Batch window under **Transactions | Rockton Pricing Management | Process Price Adjustments**.
2. Enter a **Batch ID** and **Description** to define the batch being created.
3. Select the **Debit/Credit Action** based on how you want to treat the debits and credits.
4. Select the **Account Number** for the Price Adjustments for which you intend to create a rebate transaction.
5. Select the **Document to Create**.
6. Enter a **Document Number** to define the transaction you are creating.
7. Create a new **Batch ID** or select an existing **Batch ID** where you wish the document to be saved within the sub-module.
8. Enter **Customer/Vendor** for the transaction and **Item Number** if required.
9. Click **Save** to save the batch.
10. In the Price Adjustments grid, mark those adjustments to include in the rebate.
11. If you are ready to create the document, click **Process**, otherwise click **Save**.

The document is created within the module according to the selected "Document to Create". The transaction must be posted within that module. The Status of the Rebate Batch ID changes to "Processed".

Edit a Price Adjustment Batch

You may edit a Price Adjustment Batch that has been created and is in a "Pending" status. If the batch has been processed, you must first disassociate the batch from the document that was created, then create a new batch for those Price Adjustments.

1. Open the Batch Processing window under **Transactions | Rockton Pricing Management | Process Price Adjustments.**
2. Select the **Batch ID** you wish to edit.
3. Make the necessary changes.
4. Click **Save**.

Delete a Process Adjustment Batch

You may delete a batch that has not yet been processed.

1. Open the Batch Processing window under **Transactions | Rockton Pricing Management | Process Price Adjustments.**
2. Select the **Batch ID** you wish to delete.
3. Click **Delete**.

The Price Adjustments are available to add to a new batch.

Note: If the batch has already been processed, you must first Disassociate the rebate batch. See the Disassociate Rebate Batch section for more information.

Disassociate a Price Adjustments Batch

If you have processed a batch but want to cancel the batch, you must disassociate the batch from the transaction that was created.

1. Open the Batch Processing window under **Transactions | Rockton Pricing Management | Process Price Adjustments.**
2. Select the **Batch ID** you wish to Disassociate from the created transaction.
3. Click **Disassociate**.

Note: The document that was created when you originally processed the price adjustements batch must manually be deleted or voided if it is no longer needed. The Disassociate process does not automatically remove the record should you want to post it.

8. Additional Tools and Functionality

8.1. Data Sync

Data Sync Overview

Rockton Pricing Management (RPM) integrates seamlessly with Dynamics GP to ensure consistent and accurate data synchronization between the two systems. This synchronization is essential to reflect any changes made to customer data in Dynamics GP accurately within RPM. An updated synchronization method using Sync Queues in RPM facilitates this process.

Upon installing the RPM Connector for Dynamics GP, several views are created within SQL to support this integration:

In the DYNAMICS database:
- RPMViewCurrency

In the Company database:
- RPMVIewCustomer
- RPMViewGLAccount
- RPMViewItem
- RPMViewItemCurrency
- RPMViewLocationCode
- RPMViewPriceLevel
- RPMViewPriceSheet
- RPMViewUofM
- RPMViewUofMSchedule

Additionally, RPM Triggers are established on various SQL tables in Dynamics GP. These triggers work alongside the views in the local sync queue to notify the RPM web service of any new or changed records - be it a new Customer or Item, or changes to existing records like a GL Account. When a record is created or edited in any of these specified RPM SQL Views, it initiates a local sync queue record. Single records sync automatically. However, to sync all data for an entity or to apply specific sync filters, using System Jobs in RPM is essential. Once configured, RPM will then automatically updated the records based on this synchronized data.

Because most of the synchronization setup and processing occurs within the RPM Core, there is limited visibility and interaction options available directly within Dynamics GP itself. For more detailed exploration of the RPM Data Sync function, please refer to the Rockton Pricing Management Management manual.

Review the Data Sync Overview section for some additional technical detail regarding the Data Sync between RPM and Dynamics GP.

8.1.1. Data Sync Overview

Overview of Data Sync from GP to RPM for Data Sync

The RPM GP Connector facilitates seamless data synchronization from Dynamics GP to RPM, leveraging the OData service for robust and secure data transfer. The process is designed to ensure that all data from Dynamics GP is accurately reflected in RPM through a series of well-defined steps:

Prerequisites Setup:
1. OData Service Installation and Configuration:

    o   Install and configure the Dynamics GP OData Service using the GP install image, ensuring the server is domain-connected with Active Directory and a valid certificate.
    o   Set up a service account with appropriate Active Directory credentials to run the OData service.
    o   Verify the OData service by accessing the published URL, which should return data.

2. SQL Server Configuration:

    o   Execute the Enable Ole Automation.sql script on your SQL server to prepare the database for synchronization.

3. Dynamics GP Preparation:

    o   Utilize a dedicated GP user linked to the AD user with the necessary permissions to access Security and OData settings within GP.

Configuring Data Sync:

1. GP OData Service Deployment:

    o   Run the setup from the Dynamics GP DVD to create an endpoint for OData, allowing authenticated data access.

2. Dynamics GP Setup:

    o   Log into Dynamics GP with sufficient privileges to modify OData and security settings.
    o   Link GP login to the Windows AD account and configure roles and permissions to include all necessary "OD" roles.
    o   Navigate through Dynamics GP to set up the OData service, specifying the service URL and configuring data sources to include RPM-specific views.

3. OData Connection Testing:

    o   Test the OData connection in Dynamics GP and via external tools like Excel and potentially Power BI to ensure the integrity and availability of the data.
    o   Confirm the operational status of the OData feeds by accessing them in a browser or through client applications, ensuring all configured views return expected data.

Ongoing Management and Testing:

- Regularly update and test the OData connections and the data sync functionalities to ensure consistent and reliable data transfer between Dynamics GP and RPM.
- Use client tools like Excel or Power BI to verify the data integrity and troubleshoot any issues in the data synchronization process.

This structured approach not only ensures data consistency across platforms but also provides a reliable and scalable solution for integrating Dynamics GP with RPM, making business processes more efficient and data-driven.

8.1.2. Document Attribute Process with Data Sync

Document Attribute Process with Data Sync

In some cases, you may find that key pricing decisions rely on data points that RPM doesn't currently track. This section explains how you can add these data fields as document attributes to the Data Sync process, enabling RPM to recognize and utilize this new information for your pricing models. Syncing these document attributes enhances the system's flexibility in how pricing is calculated.

Note: This section requires at least a basic familiarity with SQL Server, the Transact SQL language, and SQL Server Management Studio.

Adding a New Attribute for Data Sync

To integrate a new attribute into the Data Sync process, follow these key steps:

- Identify the appropriate view for the new attribute.

- Update the view to include the new attribute in the database.

- Modify the Sync trigger to capture changes related to the new attribute.

- Adjust the Sync Reader and Sync Writer within RPM to handle the new data efficiently.

Part 1: Identify the appropriate View for the new Attribute

There are several SQL views that are used by the Data Sync process in the RPM Connector for Dynamics GP. The following lists these views and the tables that are used by them:

View	Table Name	Contains Create and Modified Date?
RPMViewCurrency	MC40200	No
RPMViewCustomer	RM00101	Yes

RPMViewGLAccount	GL00100	Yes
	GL00105	No
RPMViewItem	IV00101	Yes
	IV40400	No
RPMViewItemCurrency	IV00101	No
	IV00105	No
	IV00108	No
	IV40202	No
RPMViewLocationCode	IV40700	No
RPMViewPriceLevel	IV40800	Yes
RPMViewPriceSheet		
RPMViewUofM	IV40201	No
	IV40202	No
RPMViewUofMSchedule	IV40201	No

The first thing you will need to do is to determine which of the above views is the best fit for the new attribute.

Note: For Dynamics GP, you may only add an attribute that exists as a column in one of the tables listed above.

Part 2: Update the View

You will need to edit the view in SSMS and add your new column to the column list of the SELECT statement for that view.

For instance, let's say you want RPM to be able to use the Credit Limit Amount on the Customer Master table (RM00101). That falls under scenario 1, so you would edit the RPMCustomerView and add the CRLMTAMT column, as follows (see highlighted text):

```
ALTER VIEW [dbo].[RPMViewCustomer]
AS
SELECT CUSTNMBR, CUSTNAME, CUSTCLAS, SLPRSNID, SALSTERR, PRCLEVEL, CURNCYID, SHIPMTHD,
CITY, STATE, ZIP, COUNTRY, PYMTRMID, UPSZONE, USERDEF1, USERDEF2, CREATDDT, MODIFDT, CRLMTAMT
FROM   dbo.RM00101
```

Part 3: Modify the Sync Trigger

Each table that will be synchronized to RPM will have two triggers associated with it: an INSERT trigger and an UPDATE trigger. Using the same example as in the previous section, you will edit the UPDATE trigger in SSMS and change it as follows (changes are highlighted):

1. Find the section where it checks which columns have changed. It begins as follows:

   ```
   IF UPDATE(CUSTNAME) OR UPDATE(CUSTCLAS) OR UPDATE(SLPRSNID) OR …
   ```

2. Simply insert your column anywhere in this list:

   ```
   IF UPDATE(CUSTNAME) OR UPDATE(CUSTCLAS) OR UPDATE(CRLMTAMT) OR UPDATE(SLPRSNID) OR
   ```

Part 4: Adjust the Sync Reader and Sync Writer within RPM

See the RPM Help documentation for information to make the necessary changes to the Sync Readers and Sync Writers directly within RPM.

8.2. Table Archive/Purge

Microsoft Dynamics GP | Tools | Setup | Rockton Pricing Management | Rockton Pricing Management Setup

Description

When you use the RPM - Recalculate Batch process to recalculate a batch, the information is stored in a table until you choose to remove the data. The Rockton Pricing Management Table Archive/Purge window is used for archiving and purging these Batch Recalc messages. This window is accessible to users with the RPM Admin. security role.
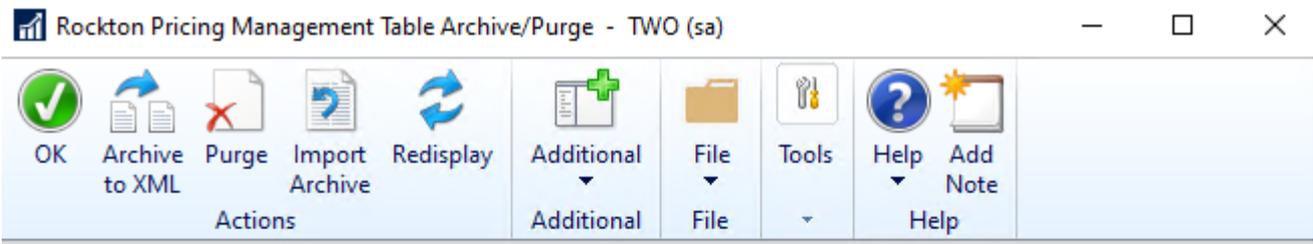
Table to archive/Purge
Contains a list of available tables that may be archived or purged. Currently, only Batch Recalc Messages appear in the drop-down.

Criteria
Allows you to define a query for the selection of records to archive and purge to XML. Click the "Edit Criteria" button (✎) to open the Query Builder window where you can define a query to apply to the records. For more information see the Query Builder section on building a query.

After you have defined your Criteria, the number of records that match the query will be displayed in the "Records to be archived/purged based on above criteria" field. The total number of records in the table is also shown. These records are listed in the Preview list at the bottom of the Auditor Table Archive/Purge window. You have several actions available for managing this group of records.

- **Archive to XML**
  Creates XML files that have text information of these records, which can be viewed in most browsers or in an XML editor.

- **Purge**

This deletes the selected records from the table. You can recover these records by importing a previously created XML archive or by restoring from a backup.

- **Import Archive**
Opens the Archive Import window where you can reintegrate the contents of a previously created XML archive file back into the original master tables.
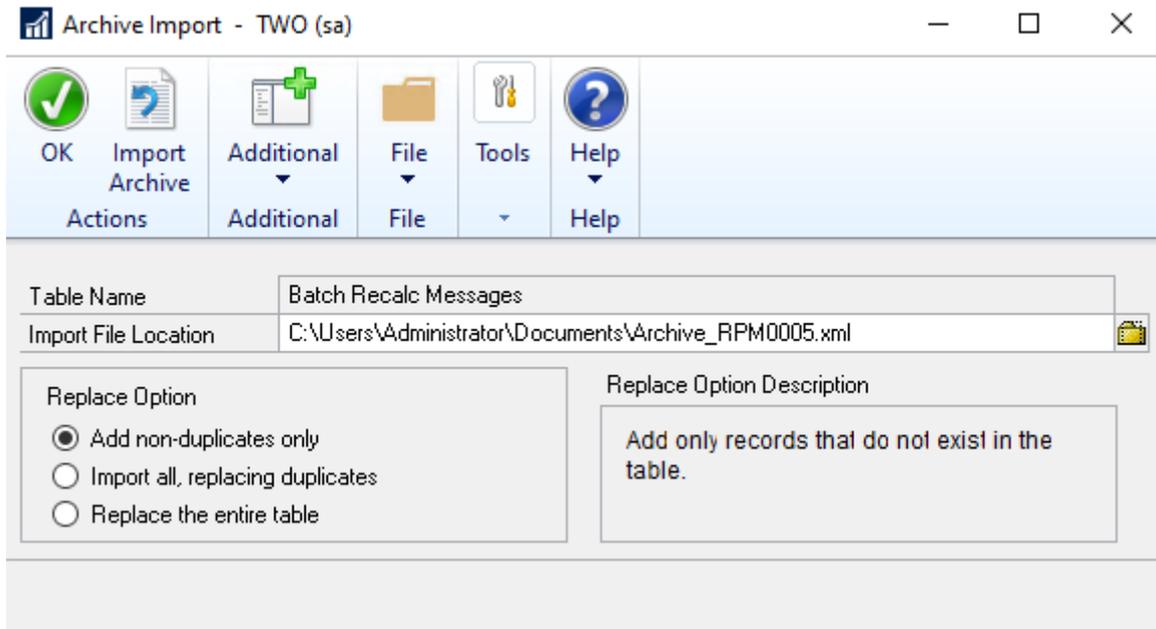
You can select a path and provide a filename of the XML archive file you want to import. To ensure a successful import, this file must have been created using the "Archive to XML" function from the Rockton Pricing Management Archive/Purge window.

Mark the "Replace Option" to indicate how duplicates should be handled. An item in the archive file is considered as a duplicate if the values for all the primary keys field in the table match a record in the table itself.

The options available are:

Add non-duplicates only - Only items in the archive file that do not match records in the table will be imported, while any duplicates will be ignored.

Import all, replacing duplicates - All items in the archive file will be imported; if any duplicates are detected, the corresponding record in the table will be replaced with the values from the archive file.

Replace the entire table - All records are removed from the table, then proceed to import all records from the archive file.

After you have made your selection, click the "Import Archive" button. When prompted to confirm, click "Continue" or "Cancel".

8.3. Query Builder

This window builds a query to filter and identify the records that you want to purge or archive.
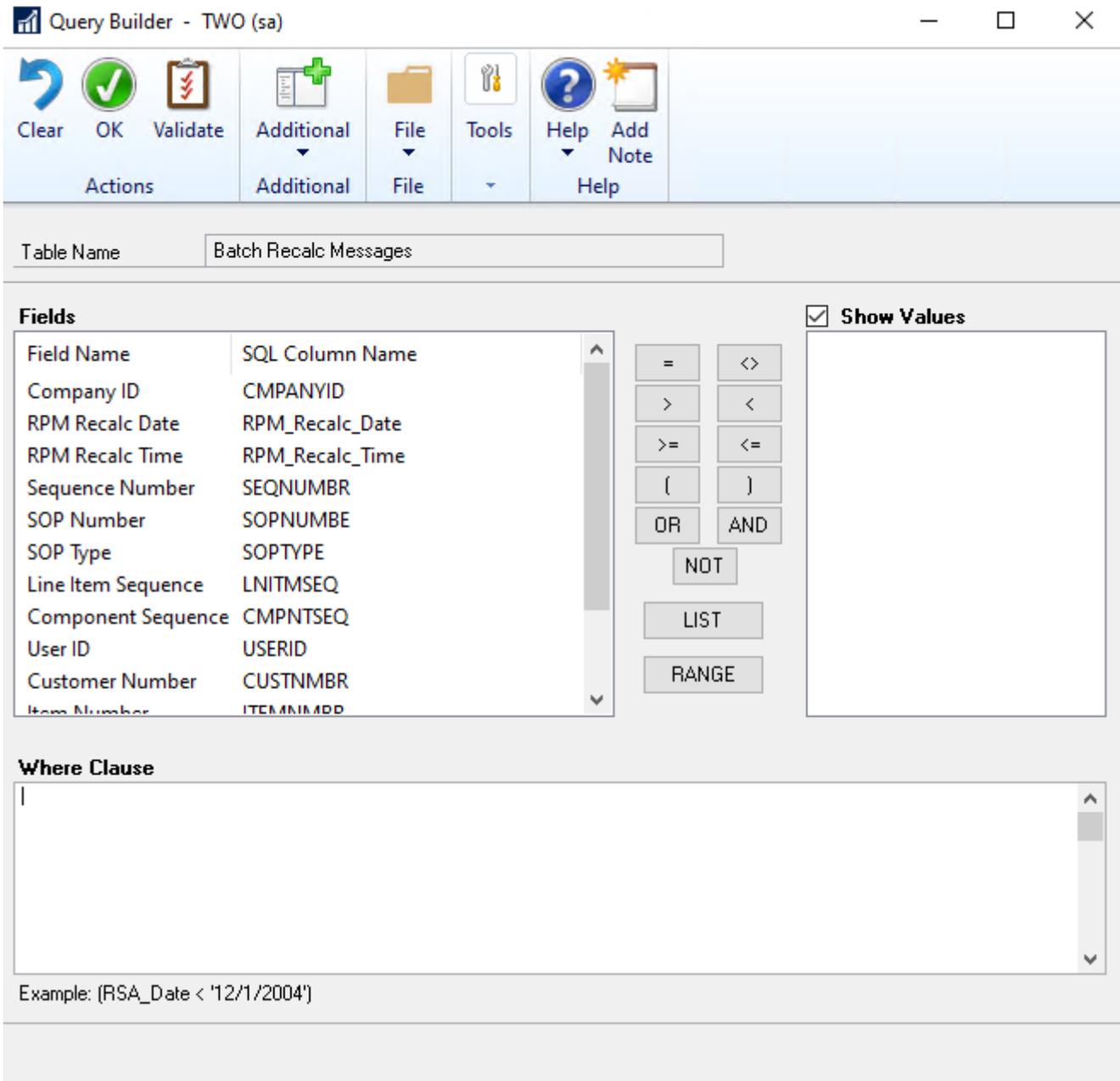
Steps to build a query:

1. Double-click a field from the Fields list box on the left. This action inserts the SQL name of that field into the Where Clause box at the bottom, which is where you construct your query.
2. Click one of the operator buttons positioned between the Fields and Values list boxes.
3. Double-click a value from the Values list box to add it into the query, or simply input the desired value into the query.
4. Click **Validate** to verify the syntax is correct.

The List and Range buttons will prompt you with instructions for using those operators.

You may use the method above or manually type a SQL where clause manually.

9. Appendix

9.1. Appendix A - Using Multi-Line Calculations

Pricing in RPM can be based on multiple lines within a transaction or from previous transactions. This takes into consideration the quantity or dollar amount from previous lines on the same document or historical documents, allowing for scenarios such as buy-one-get-one. Examples of multi-line calculations include:

- Purchase a hat and receive a 50% discount on a scarf.
- Purchase a Char-Broil Classic 480 grill and receive a grill set free.
- Purchase 50 Tees within a year and receive a 20% discount on all Tees for the rest of the year.
- Spend $5,000 on groceries and receive free delivery the remainder of the year.

The set up information required for a multi-line calculation is explained below, using the example of purchasing a grill to receive a free grill utensil set.

Step 1 - Historical Sales
The Historical Sales data is imported during the implementation, and new data is synchronized to the ERP. This data is needed for creating a Pricing Condition in a multi-line calculation based on Historical Sales. This step is automatic so no additional steps are needed.

Step 2 - Create Pricing Filters
Pricing Filters are needed to determine the items you must purchase and which item is free. These filters are assigned to the Pricing Condition and Price Calculation.

Pricing Filter for Grill

Create a Pricing Filter for the item that must be purchased. In this instance, it is a Char-Broil Grill.

Pricing Filter for Grill Set

Create a Pricing Filter for the free Item when a grill is purchased. In this instance, it is a Grill Utensil Set.

Step 3 - Create Pricing Condition

A Pricing Condition is necessary to drive the conditions of the multi-line calculation. This condition determines whether it is based on the quantity or amount of the current document or from previous sales. In this example, it is for the item purchased on the current document.

Step 4 - Create a Price Calculation

Create a Price Calculation for the free Item. In this instance, it is a -100% discount since it is free.

🖩 Create / Update Price Calculation

🔙 BACK   💾 SAVE   💾 SAVE & CLOSE   💾 SAVE & NEW   ➕ ADD NEW   🗐 COPY   🗑 DELETE

* Price Calculation Name

Free Grill Set with Grill Purchase

* Price Mode Option

Percent Adjustment   ✕ ▾

☑ Modify Unit Price   ☑ From the Base Starting Price   ☐
Use Value from Entity

* Percent

-100.00000

Pricing Filter

Purchase Grill/Get Free Grill Set   ✕ | 🔍

Pricing Condition

Free Grill Set with Grill   ✕ | 🔍

Rounding Rule

Select a Rounding Rule | 🔍

Tracking

☑ Track As Extended Price Adjustments

☑ Track Adjustments

     Debit GL Account

     Select a Debit GL Account | 🔍

     Credit GL Account

     Select a Credit GL Account | 🔍

     ☐ User Can Edit

     ☐ Affects Margin Calculation

Step 5 - Assign to a Price Schedule

After creating the Price Calculation for the free item, assign it to the Price Schedule used on transactions for this special.

Step 6 - Create a Pricing Test Scenario

After the steps 1-5 are complete, use a Pricing Test Scenario to verify that it calculates as expected. To test multi-lines on a Pricing Test Scenario, set up scenarios for the purchase and free items.

Pricing Test Scenario 1

Create a Pricing Test Scenario for the item that must be purchased to receive the free or discounted item. In this case, a grill must be purchased. A MultiLine Tag is also needed to run the Pricing Scenarios together. The letters preceding the dash is the group for the multiline and the number is the sequence in which to evaluate the lines.

Pricing Test Scenario 2

Create another Pricing Test Scenario for the free item. In this case, it is the grill set. Assign the same

MultiLine Tag group as in the previous Pricing Test Scenario, but increase the number after the dash.

Execute Test Scenarios for MultiLines
After setting up and assigning MultiLine Tags, execute the MultiLines to get the pricing. To do so, click Actions, select Execute Test Scenarios for MultiLines, and then click the group to calculate.

Step 7 - Enter Transactions

Dynamics GP
After you have verified the pricing is expected, you may enter transactions within Dynamics GP. It is important to note, that you must enter the necessary lines and then recalculate the transaction on the transaction itself. Or, recalculate the entire batch in order for the special price to take effect.