Microsoft Dynamics is a line of integrated, adaptable business management solutions that enables you and your people to make business decisions with greater confidence. Microsoft Dynamics works like and with familiar Microsoft software, automating and streamlining financial, customer relationship and supply chain processes in a way that helps you drive business success.

U.S. and Canada Toll Free 1-888-477-7989
Worldwide +1-701-281-6500
www.microsoft.com/dynamics

Information in this document, including URL and other Internet Web site references, is subject to change without notice. Unless otherwise noted, the companies, organizations, products, domain names, e-mail addresses, logos, people, places, and events depicted in examples herein are fictitious. No association with any real company, organization, product, domain name, e-mail address, logo, person, place, or event is intended or should be inferred. Complying with all applicable copyright laws is the responsibility of the user. Without limiting the rights under copyright, no part of this document may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of Microsoft Corporation.

Microsoft may have patents, patent applications, trademarks, copyrights, or other intellectual property rights covering subject matter in this document. Except as expressly provided in any written license agreement from Microsoft, the furnishing of this document does not give you any license to these patents, trademarks, copyrights, or other intellectual property.

© 2013 Microsoft Corporation. All rights reserved.

Active Directory, Microsoft, Microsoft Dynamics, the Microsoft Dynamics logo, SQL Server, and Windows are trademarks of the Microsoft group of companies.

All other trademarks are property of their respective owners.
# Table of Contents

- **Introduction** .................................................................................................................. 4
- **System setup** .................................................................................................................. 5
  - System prerequisites ....................................................................................................... 5
  - Enable SQL Server Change Tracking .............................................................................. 6
  - User account requirements .............................................................................................. 6
- **Upgrading from previous versions of Management Reporter** ....................................... 7
- **Configuring the data integration** .................................................................................. 8
  - Configure the data integration ........................................................................................ 8
  - Import companies ............................................................................................................ 10
  - Select the default company ............................................................................................. 11
- **Appendix** ..................................................................................................................... 12
  - Currency translation reports not supported by data mart ............................................... 12
  - Analytical Accounting budgets in Management Reporter reports .................................... 12
  - Analytical Accounting dimensions in the data mart are named after the Transaction Dimension ID 12
  - Changing report timeout settings ................................................................................... 12
  - User defined dimensions not supported in data mart .................................................... 13
  - Change tracking required for new companies and Analytical Accounting ....................... 13
  - Importing companies from the legacy data provider into the data mart database ............ 13
  - Integrating a data mart with a second ERP database ..................................................... 13
Introduction

Management Reporter 2012 for Microsoft Dynamics® ERP uses a data provider to integrate data between Microsoft Dynamics GP and Management Reporter. You can view and use the data from Microsoft Dynamics GP to create financial reports in Management Reporter 2012 without affecting the original data in the ERP database.

The following options are available for Microsoft Dynamics GP:

- **Data mart integration (recommended)** – Creates a data mart database of information from the Microsoft Dynamics GP database to create financial reports in Management Reporter 2012. This option improves performance when generating reports in Management Reporter 2012, and supports a greater level of integration with Microsoft Dynamics GP.

- **Legacy data provider** – Displays information from the Microsoft Dynamics GP database so that you can create and modify financial reports in Management Reporter 2012.

  **Note:** Currency translation and Microsoft Dynamics GP Account Level Security are supported in the legacy data provider only. We recommend that you use the legacy data provider only for reports that require these features.
System setup

Before you configure the Microsoft Dynamics GP data integration, your system must meet the minimum requirements for Management Reporter 2012. For more information, see System requirements for Management Reporter. Additional prerequisites are listed below.

System prerequisites

The following components must be installed before the data provider can be configured on your system.

<table>
<thead>
<tr>
<th>Integration option</th>
<th>Prerequisite</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data mart</td>
<td>Dexterity Shared Components</td>
<td>● Must be installed on a computer where the Management Reporter 2012 application service and process service are installed. Note: These components are included on the installation disk for Microsoft Dynamics GP, in the DexteritySharedComponents folder.</td>
</tr>
<tr>
<td></td>
<td>Microsoft SQL Server 2008 or newer</td>
<td>● The data mart requires a SQL Server 2008 or newer database instance for the data mart database, and for the system database and company database for Microsoft Dynamics GP. For more information, see the Management Reporter system requirements.</td>
</tr>
<tr>
<td></td>
<td>Microsoft Dynamics GP</td>
<td>● The Microsoft Dynamics GP databases must be upgraded to Dynamics GP 2010 R2 (version 11.0.1860) or Microsoft Dynamics GP 2013.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>● A functional currency must be defined for companies in Microsoft Dynamics GP before Management Reporter 2012 is configured.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Drill to Dynamics requires Microsoft Dynamics GP 2010 (version 11.0.1860 or later) or Microsoft Dynamics GP 2013 Service Pack 1.</td>
</tr>
<tr>
<td>Legacy data provider</td>
<td>Microsoft Dynamics GP client</td>
<td>● Earlier versions of Microsoft Dynamics GP must be updated to Microsoft Dynamics GP 2010 or Microsoft Dynamics GP 2013.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Drill to Dynamics requires Microsoft Dynamics GP 2010 (version 11.0.1860 or later) or Microsoft Dynamics GP 2013 Service Pack 1.</td>
</tr>
<tr>
<td></td>
<td>Dexterity Shared Components</td>
<td>● Must be installed on a computer where the Management Reporter 2012 application service and process service are installed. Note: These components are included on the installation disk for Microsoft Dynamics GP, in the DexteritySharedComponents folder.</td>
</tr>
<tr>
<td></td>
<td>Management Reporter 2012 server components</td>
<td>● For installation procedures, see the Management Reporter installation guide.</td>
</tr>
</tbody>
</table>
Enable SQL Server Change Tracking

Management Reporter 2012 uses SQL Server Change Tracking to ensure that all transactions are integrated from Microsoft Dynamics GP to the Management Reporter data mart. SQL Server Change tracking is turned on with a retention setting of three days by default. If the Management Reporter data mart integration is disabled for more than three days while transactions are posted in Microsoft Dynamics GP, you might want to reset your data mart to ensure that no data was missed.

During the upgrade process, the Configuration Console enables SQL Server Change Tracking. You might be prompted to provided credentials that have sufficient permissions to enable SQL Server Change Tracking, such as a user with a role of db_owner or a system administrator.

Note: The ERP Integration user account is modified to include the View Change Tracking permission to read the change tracking tables in Microsoft Dynamics GP.


Note: When a new company is added, or when Analytical Accounting is activated for an existing company in Microsoft Dynamics GP, Change Tracking must be reconfigured. In the Configuration Console for Management Reporter, integrate the company again and select Reconfigure Change Tracking.

User account requirements

The user account that is used during configuration for the data provider must meet the following requirements.

<table>
<thead>
<tr>
<th>Application</th>
<th>User requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft Dynamics GP</td>
<td>• Be an active user account in Microsoft Dynamics GP</td>
</tr>
<tr>
<td></td>
<td>• Be assigned to the role of sa user or dynsa user, or be a Microsoft Dynamics GP user that has manually been assigned the db_datareader role in SQL Server for the Microsoft Dynamics GP system database and company database.</td>
</tr>
<tr>
<td>Management Reporter 2012</td>
<td>• Be a user assigned to the Administrator role.</td>
</tr>
<tr>
<td></td>
<td>• Have an Active Directory® domain account user ID and password.</td>
</tr>
</tbody>
</table>

User account permissions in Microsoft Dynamics GP must be set up before configuring Management Reporter.

Note: All Management Reporter users must have Active Directory domain accounts for authentication. For more information, see “How to create a domain account in Active Directory” on MSDN (http://msdn.microsoft.com/en-us/library/aa545262(CS.70).aspx).

After Management Reporter is installed and fully configured, you can add users and modify security permissions. See the Management Reporter Help documentation for more information.
Upgrading from previous versions of Management Reporter

You are not required to uninstall a previous version of Management Reporter if you are installing Management Reporter 2012. However, you must select an unused port during configuration, because the default port is already in use.

1. Verify that the user who is performing the upgrade is assigned to the Administrator role in Management Reporter.

2. Complete the upgrade procedures as explained in the Management Reporter installation guide.

3. If you use the legacy data provider to integrate with Microsoft Dynamics GP, we recommend that you create a new integration with the data mart. Future releases of Management Reporter 2012 will no longer support the legacy data provider for Microsoft Dynamics GP.

   **Note:** When companies that are associated with the legacy data provider are imported into the data mart, company names include a suffix of –Curr.
Configuring the data integration

The legacy data provider and data mart for Microsoft Dynamics GP are installed at the same time as the Management Reporter server components. For more information and installation procedures, see the Management Reporter installation guide.

The following procedures explain how to configure the data integration for Management Reporter.

Configure the data integration

Management Reporter uses a legacy data provider or a data mart to integrate information from a Microsoft Dynamics GP system. You can configure these components during initial configuration or after you have set up the application service and process service for Management Reporter 2012.

Note: Management Reporter 2012 can integrate with multiple ERP systems, but you can configure only one instance of a legacy data provider or data mart at a time.

1. Click Start, select Programs, select Microsoft Dynamics, select Management Reporter 2012, and then select Configuration Console to open the Management Reporter configuration console.

2. In the Management Reporter 2012 configuration console, click File, and then select Configure to open the Custom Configuration dialog.

3. Under Management Reporter Application Service, select one of the following options for integration:
   - Add Microsoft Dynamics GP Data Mart - Configure a data mart integration for Microsoft Dynamics GP and create a data mart database.
   - Add Microsoft Dynamics GP Legacy – Configure the legacy data provider for Microsoft Dynamics GP.
     Note: The legacy data provider for Microsoft Dynamics GP will no longer be supported in a future release. We recommend that you use a data mart integration.

4. Click Next.

5. Under Management Reporter Application Service, select the Add Microsoft Dynamics GP check box, and then click Next.

6. On the Prerequisite Validation page, review any failed prerequisites or warnings and resolve issues before continuing with the installation process. Click Revalidate to run the validation again.

7. Click Next.
8. On the **Settings** page, enter the following information for the data integration:

<table>
<thead>
<tr>
<th>ERP integration</th>
<th>Required information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft Dynamics GP Data Mart</td>
<td>- <strong>Database server</strong> – The name of the server that hosts Microsoft Dynamics GP.</td>
</tr>
<tr>
<td></td>
<td>- User name and password of a user account that has permissions to connect to Microsoft Dynamics GP. For more information, see <strong>User account requirements</strong>.</td>
</tr>
<tr>
<td></td>
<td>- <strong>Database</strong> – The name of the Microsoft Dynamics GP system database to connect to.</td>
</tr>
<tr>
<td></td>
<td>- (Data mart) <strong>Database server</strong> – The server where the data mart database is located.</td>
</tr>
<tr>
<td></td>
<td>- User name and password of the account that is used to create the data mart database. Select <strong>Use Windows authentication</strong> to use your current credentials.</td>
</tr>
<tr>
<td></td>
<td>- (Data mart) <strong>Database</strong> – The name of the data mart database to connect to.</td>
</tr>
<tr>
<td>Microsoft Dynamics GP Legacy</td>
<td>- <strong>Database server</strong> – The name of the server that hosts Microsoft Dynamics GP.</td>
</tr>
<tr>
<td></td>
<td>- User name and password of a user account that has permissions to connect to Microsoft Dynamics GP. For more information, see <strong>User account requirements</strong>.</td>
</tr>
<tr>
<td></td>
<td>- <strong>Database</strong> – The name of the Microsoft Dynamics GP system database to connect to.</td>
</tr>
</tbody>
</table>

**Note:** The name of the database server is listed in the ODBC Data Source Administrator that the Microsoft Dynamics GP client uses to connect to the ERP database. (Click **Start**, select **Administrative Tools**, and then select **Data Sources (ODBC)**.) If SQL Server® is on the same computer as Microsoft Dynamics GP, do not use localhost as the server name.

9. If your SQL Server is configured to use secure Sockets Layer (SSL) for encryption, select **Encrypt connection**. The data that is transmitted between the SQL Server and Management Reporter 2012 services is encrypted.

   **Note:** To use this option, you must configure SSL on the server and install certificates. For more information, see “Encrypting connections to SQL Server” on MSDN (http://msdn.microsoft.com/en-us/library/ms189067.aspx).

10. Click **Next**.

11. Review the data integration information, and then click **Configure**.

12. When a message is displayed that indicates that the data integration has been successfully configured, click **Close**.

13. To integrate with another instance of Microsoft Dynamics GP, repeat steps 1 through 12. To integrate with another ERP system, see the integration guide for that system.

14. After all integrations are configured, company information must be imported. For more information, see **Import companies**.
Import companies

After you have installed Management Reporter 2012 services and integrated with a Microsoft Dynamics GP system, you must import company information from the Microsoft Dynamics GP database into Management Reporter 2012.

**Note:** If you use a data mart integration for Microsoft Dynamics GP, company information is imported automatically and you can skip this procedure.

If you added a data mart integration after upgrading to Management Reporter 2012 Rollup 4, you must import all companies that you want to access in Management Reporter 2012. This includes companies that you have integrated with previous versions of Management Reporter.

1. In the Management Reporter 2012 configuration console, verify that the application service is running.
   **Note:** The application service must be running to import company information.

2. In the navigation pane of the Management Reporter configuration console, expand the Management Reporter 2012 services node. Under ERP Integrations, select the integration to import companies from.

3. Click Import in the display pane.

4. Enter the user name and password of a user account in Microsoft Dynamics GP. For more information, see User account requirements.

5. Review the list of available companies. If a company has already been imported, Already imported will be selected. To not import a company, select Skip import.

6. Click Import companies.

7. If you import a company that has the same name and code as an existing company, a message will be displayed that asks if you want to overwrite the existing company information. To overwrite the company information, click Yes, or click No to cancel the import. To continue the company import, you must select Skip import for the existing company, and then click Import companies again.

8. When a message is displayed that indicates that the companies have been successfully imported, click OK.

9. To view a list of imported companies, click Companies under the Management Reporter Services node in the navigation pane.
   **Note:** Companies with Analytical Accounting are imported differently depending on the type of integration. For data mart integrations, only one entry is imported per company. For integrations with the legacy data provider, two entries are imported per company.
Select the default company

The first time that you open Report Designer, you are prompted to designate a default company that identifies the source of data for reporting. By default, this company description is displayed in the headings of reports that are created in Management Reporter 2012.

1. Open Report Designer. On the Company menu, click Companies to open the list of companies in Management Reporter.

2. Select the company to be assigned as the default company, and then click Set as default.

3. Provide a user ID and password to connect to the company. These credentials must match the credentials that are stored in the Microsoft Dynamics GP database.

4. To save your credentials and not enter them each time that you connect to Microsoft Dynamics GP, select the Save my credentials check box.

5. Click OK to select the default company.

6. Click Close.
Appendix

The following sections provide additional information about the Microsoft Dynamics GP data provider.

Currency translation reports not supported by data mart

Currency translation is not available for reports with data mart integrations for Microsoft Dynamics GP. To translate currency information, such as for a year-end report, use a legacy data integration for a Microsoft Dynamics GP organization.

**Note:** An organization in Microsoft Dynamics GP can use both a data mart integration and a legacy data integration. We recommend that you use a data mart integration for the majority of your reporting needs, and use the legacy data integration for reports that require currency translations.

Analytical Accounting budgets in Management Reporter reports

Budgets and Analytical Accounting (AA) Budgets in Microsoft Dynamics GP reports can use the same name in Management Reporter. AA Budgets are identified with “AA:” preceding the budget name. For example, an AA Budget named “Forecast Budgets 2013” would be identified as “AA: Forecast Budgets 2013.”

**Note:** Any AA Budgets in column definitions must be reselected after integration.

Analytical Accounting dimensions in the data mart are named after the Transaction Dimension ID

In previous versions of Management Reporter, Analytical Accounting dimensions were named using the Transaction Dimension Description. In Rollup 4, Analytical Accounting dimensions in the data mart are named after the Transaction Dimension ID.

**Note:** After configuration, you might need to select dimension values again for values where the ID does not match the description.

Changing report timeout settings

If the legacy data provider takes too much time to process a report, this might result in a report that contains no data. To correct this issue, you might need to change the timeout settings.

If you have upgraded to Management Reporter 2012 Rollup 3 or later, you can adjust the default settings of timeouts in the `MRserviceHost.settings.config` file.

- To increase the timeout during integration of data into the data mart, modify the `SqlBulkCopyTimeout` and `SqlBulkCopyBatchSize` settings.
- To change the timeout for running data mart based reports, modify the `DataMartQuery` setting.
- To change the timeout for running Dynamics GP Legacy provider based reports, modify the `GPReaderTimeout` setting.

**Note:** The `MRserviceHost.settings.config` file is not modified during upgrade. Any modifications to this file must be completed manually. If you have upgraded from a previous release of Management Reporter 2012, you might need to create these parameters manually.

For more information or additional assistance, contact Microsoft Support.
User defined dimensions not supported in data mart

In a legacy data integration, some user defined fields can be used as dimension values. In a data mart integration, user defined fields are supported as attribute values.

If you have reports that currently include user defined fields as dimensions, you must update the reports after the integration is upgraded to a data mart integration.

Change tracking required for new companies and Analytical Accounting

When a new company is added, or when Analytical Accounting is activated for an existing company in Microsoft Dynamics GP, Change Tracking must be reconfigured. In the Configuration Console for Management Reporter, integrate the company again and select Reconfigure Change Tracking.

Importing companies from the legacy data provider into the data mart database

When companies that are associated with the legacy data provider are imported into the data mart, company names include a suffix of –Curr. To use the legacy companies in the data mart, the following components must be updated:

- For headers in reports for legacy companies, use the auto text code for the company description (@CompDesc), or manually type the headers.
- Reselect any reporting unit restrictions for reports for legacy companies.
- Update report definitions and reporting tree definitions with the new company name.
- Reselect Analytical Accounting dimensions. In the legacy data provider, Analytical Accounting dimensions are named using the Transaction Dimension ID, but the data mart uses the Description Dimension.

For more information about how to upgrade companies from the legacy data provider to the data mart, see “Upgrading to Management Reporter 2012 RU3 for Dynamics GP 2010 Customers” on MDSN (http://blogs.msdn.com/b/dynamicscpm/archive/2012/11/14/upgrading-to-management-reporter-2012-ru3-for-dynamics-gp-2010-customers.aspx).

Integrating a data mart with a second ERP database

If you have set up a data mart integration with one Microsoft Dynamics ERP database, Management Reporter does not support a second integration with another ERP system that connects to the same data mart database. You must create a second data mart database for the second Microsoft Dynamics ERP.