

[Home](#) | [Blog](#)

How to Fix Multiple Records in Power BI

April 28th, 2021



By [Justin Song](#), Senior BI Analyst

Recently I was working in [Power BI](#) with Sales Order Archives data in [Dynamics 365 Business Central](#), creating visuals with sales order amounts as my measure. I then found I had multiple records with different dates or versions.

When I looked at my visuals, Power BI showed much higher numbers than I expected. I looked at the data and found that there were multiple records for the same sales order number, but different versions and dates archived. Some orders had 4 or 5 different versions, as seen in the screenshot below:

Suggested Articles:

[How to Refresh Power BI Data in Dynamics 365 Finance & Operations](#)

[Power BI with Dynamics 365 Business Central](#)

Dynamics 365 Business Central

← Sales Order Archives

encore

| No. ↑ | Version No. ↑ | Date Archived | Time Archived |
|----------|---------------|---------------|---------------|
| 00000112 | 1 | 8/7/2020 | 2:49:23 PM |
| 00000112 | 2 | 8/7/2020 | 7:44:29 PM |
| 00000112 | 3 | 8/11/2020 | 2:43:02 PM |
| 00000112 | 4 | 8/11/2020 | 4:59:06 PM |
| 00000112 | 5 | 8/11/2020 | 5:38:38 PM |
| 00000113 | 1 | 8/3/2020 | 3:46:47 PM |
| 00000113 | 2 | 8/3/2020 | 3:51:59 PM |
| 00000113 | 3 | 8/13/2020 | 2:08:53 PM |
| 00000113 | 4 | 8/13/2020 | 3:18:57 PM |
| 00000114 | 1 | 8/2/2020 | 2:39:34 PM |
| 00000114 | 2 | 8/4/2020 | 11:47:40 AM |
| 00000114 | 3 | 8/5/2020 | 10:58:45 AM |
| 00000115 | 1 | 8/11/2020 | 1:18:19 PM |
| 00000116 | 1 | 8/3/2020 | 4:46:21 PM |

So how do you keep or use the most recent records only, to avoid this double counting issue? The answer is you can do it with either Power Query or Data Analysis Expressions (DAX).

Dynamics Central

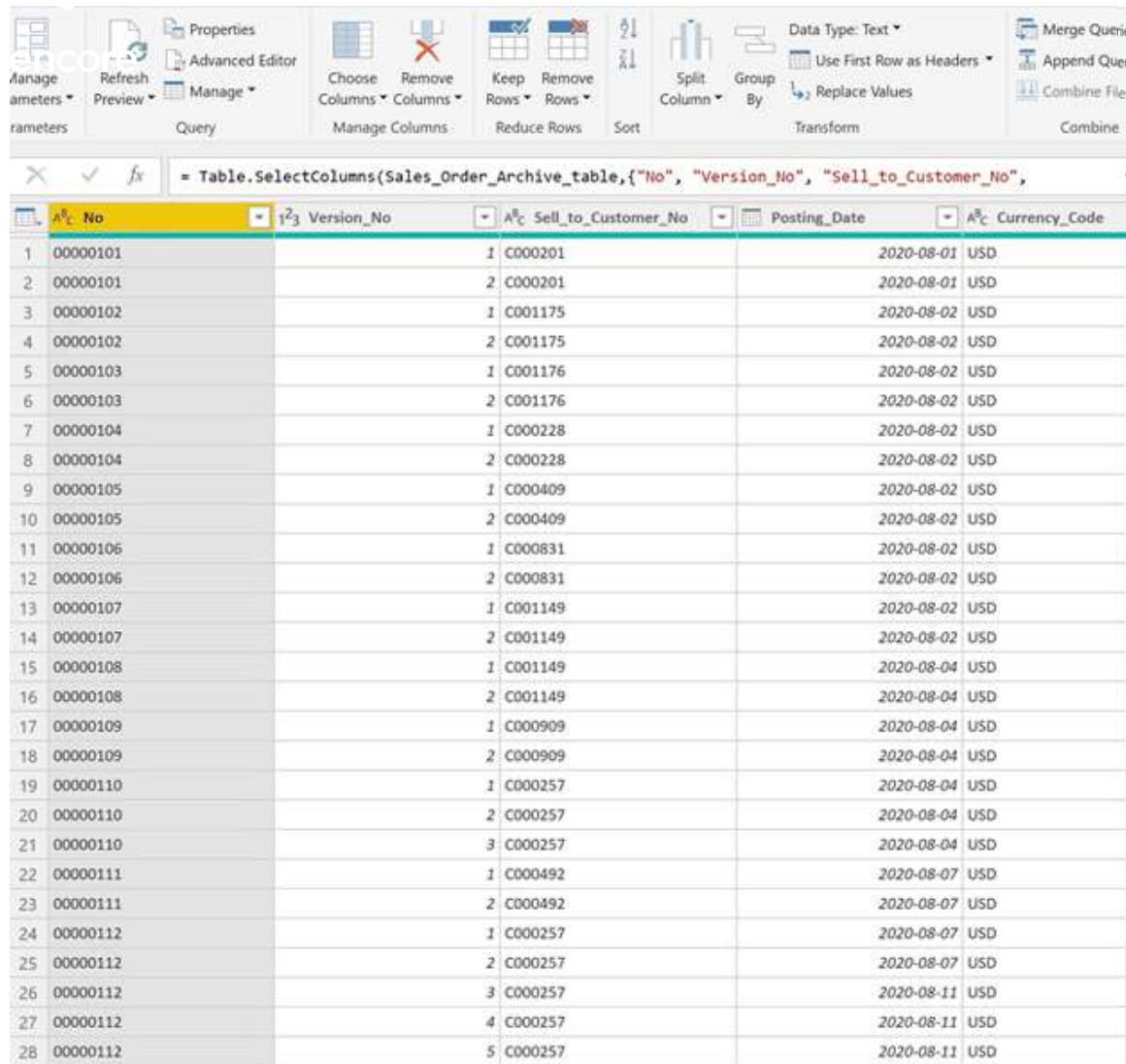
Power BI – How and Why to Add Records Between the Start and End Date

Suggested Articles:

How to Refresh Power BI Data in Dynamics 365 Finance & Operations

Power BI with Dynamics 365 Business Central

Power Query Method



The screenshot shows the Power Query Editor interface. The formula bar at the top displays the query: `= Table.SelectColumns(Sales_Order_Archive_table,{"No", "Version_No", "Sell_to_Customer_No", "Posting_Date", "Currency_Code"})`. Below the formula bar, a table is displayed with the following columns: No, Version_No, Sell_to_Customer_No, Posting_Date, and Currency_Code. The table contains 28 rows of data.

| No | Version_No | Sell_to_Customer_No | Posting_Date | Currency_Code |
|----|------------|---------------------|--------------|---------------|
| 1 | 00000101 | 1 C000201 | 2020-08-01 | USD |
| 2 | 00000101 | 2 C000201 | 2020-08-01 | USD |
| 3 | 00000102 | 1 C001175 | 2020-08-02 | USD |
| 4 | 00000102 | 2 C001175 | 2020-08-02 | USD |
| 5 | 00000103 | 1 C001176 | 2020-08-02 | USD |
| 6 | 00000103 | 2 C001176 | 2020-08-02 | USD |
| 7 | 00000104 | 1 C000228 | 2020-08-02 | USD |
| 8 | 00000104 | 2 C000228 | 2020-08-02 | USD |
| 9 | 00000105 | 1 C000409 | 2020-08-02 | USD |
| 10 | 00000105 | 2 C000409 | 2020-08-02 | USD |
| 11 | 00000106 | 1 C000831 | 2020-08-02 | USD |
| 12 | 00000106 | 2 C000831 | 2020-08-02 | USD |
| 13 | 00000107 | 1 C001149 | 2020-08-02 | USD |
| 14 | 00000107 | 2 C001149 | 2020-08-02 | USD |
| 15 | 00000108 | 1 C001149 | 2020-08-04 | USD |
| 16 | 00000108 | 2 C001149 | 2020-08-04 | USD |
| 17 | 00000109 | 1 C000909 | 2020-08-04 | USD |
| 18 | 00000109 | 2 C000909 | 2020-08-04 | USD |
| 19 | 00000110 | 1 C000257 | 2020-08-04 | USD |
| 20 | 00000110 | 2 C000257 | 2020-08-04 | USD |
| 21 | 00000110 | 3 C000257 | 2020-08-04 | USD |
| 22 | 00000111 | 1 C000492 | 2020-08-07 | USD |
| 23 | 00000111 | 2 C000492 | 2020-08-07 | USD |
| 24 | 00000112 | 1 C000257 | 2020-08-07 | USD |
| 25 | 00000112 | 2 C000257 | 2020-08-07 | USD |
| 26 | 00000112 | 3 C000257 | 2020-08-11 | USD |
| 27 | 00000112 | 4 C000257 | 2020-08-11 | USD |
| 28 | 00000112 | 5 C000257 | 2020-08-11 | USD |

Right click on No > Group By:

Business Central

Power BI – How and Why to Add Records Between the Start and End Date

Suggested Articles:

How to Refresh Power BI Data in Dynamics 365 Finance & Operations

Power BI with Dynamics 365 Business Central

Power BI Desktop interface showing the 'Table' view of a data table. The ribbon includes 'Manage Columns', 'Reduce Rows', 'Sort', and 'Transform' tabs. The 'Table' view shows a table with columns: No, Version No, Sell_to_Customer_No, and Posting_Date. A context menu is open over the 'No' column, showing options like 'Copy', 'Remove', 'Duplicate Column', 'Add Column From Examples...', 'Remove Duplicates', 'Remove Errors', 'Change Type', 'Transform', 'Replace Values...', 'Replace Errors...', 'Split Column', 'Group By...', and 'Fill'. The 'Group By...' option is highlighted.

Business Central

Power BI – How and Why to Add Records Between the Start and End Date

Enter New column name, select "All Row" for Operation:

Group By

Specify the column to group by and the desired output.

☒ Basic
 ☐ Advanced

No

New column name

All Rows

Operation

All Rows

Column

OK

Cancel

Suggested Articles:

How to Refresh Power BI Data in Dynamics 365 Finance & Operations

Power BI with Dynamics 365 Business Central

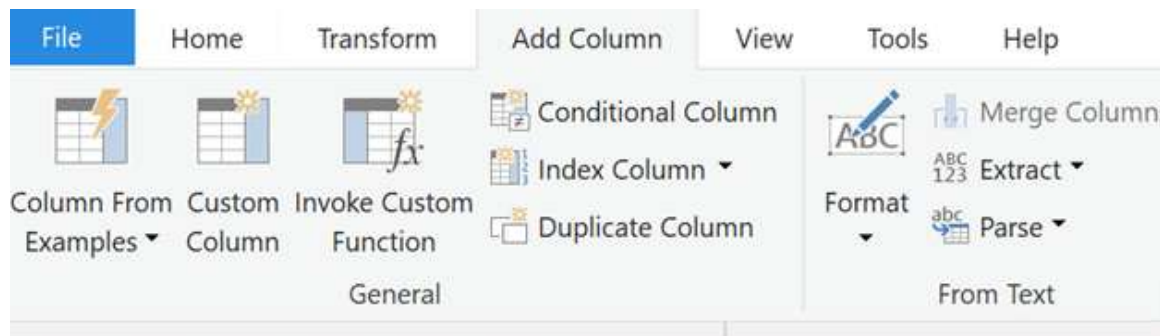
Rows are grouped by No as you see below. One row per one sales order number:

| No | Table |
|-------------|-------|
| 1 00000101 | Table |
| 2 00000102 | Table |
| 3 00000103 | Table |
| 4 00000104 | Table |
| 5 00000105 | Table |
| 6 00000106 | Table |
| 7 00000107 | Table |
| 8 00000108 | Table |
| 9 00000109 | Table |
| 10 00000110 | Table |
| 11 00000111 | Table |
| 12 00000112 | Table |
| 13 00000113 | Table |

Business Central

Power BI – How and Why to Add Records Between the Start and End Date

Add a Custom column:



Enter new column name and enter formula below:

Suggested Articles:

How to Refresh Power BI Data in Dynamics 365 Finance & Operations

Power BI with Dynamics 365 Business Central

Custom Column

Add a column that is computed from the other columns.

New column name

First Row

Custom column formula ⓘ

```
= Table.Max([All Rows], "Version_No")
```

[Learn about Power Query formulas](#)

✓ No syntax errors have been detected.

OK

Cancel

Available columns

No

All Rows

<< Insert

Business Central

Power BI – How and Why to
Add Records Between the
Start and End Date

You will see new column with Record data type:

Suggested Articles:

How to Refresh Power BI Data
in Dynamics 365 Finance &
Operations

Power BI with Dynamics 365
Business Central

encore

Table.AddColumn("#Grouped Rows", "The Latest Row", each Table.Max([All Rows], "Version_No"))

| | Version_No | All Rows | The Latest Row |
|----|------------|----------|----------------|
| 1 | 00000101 | Table | Record |
| 2 | 00000102 | Table | Record |
| 3 | 00000103 | Table | Record |
| 4 | 00000104 | Table | Record |
| 5 | 00000105 | Table | Record |
| 6 | 00000106 | Table | Record |
| 7 | 00000107 | Table | Record |
| 8 | 00000108 | Table | Record |
| 9 | 00000109 | Table | Record |
| 10 | 00000110 | Table | Record |
| 11 | 00000111 | Table | Record |
| 12 | 00000112 | Table | Record |
| 13 | 00000113 | Table | Record |
| 14 | 00000114 | Table | Record |
| 15 | 00000115 | Table | Record |
| 16 | 00000116 | Table | Record |
| 17 | 00000117 | Table | Record |
| 18 | 00000118 | Table | Record |

Expand "The Latest Row" column:

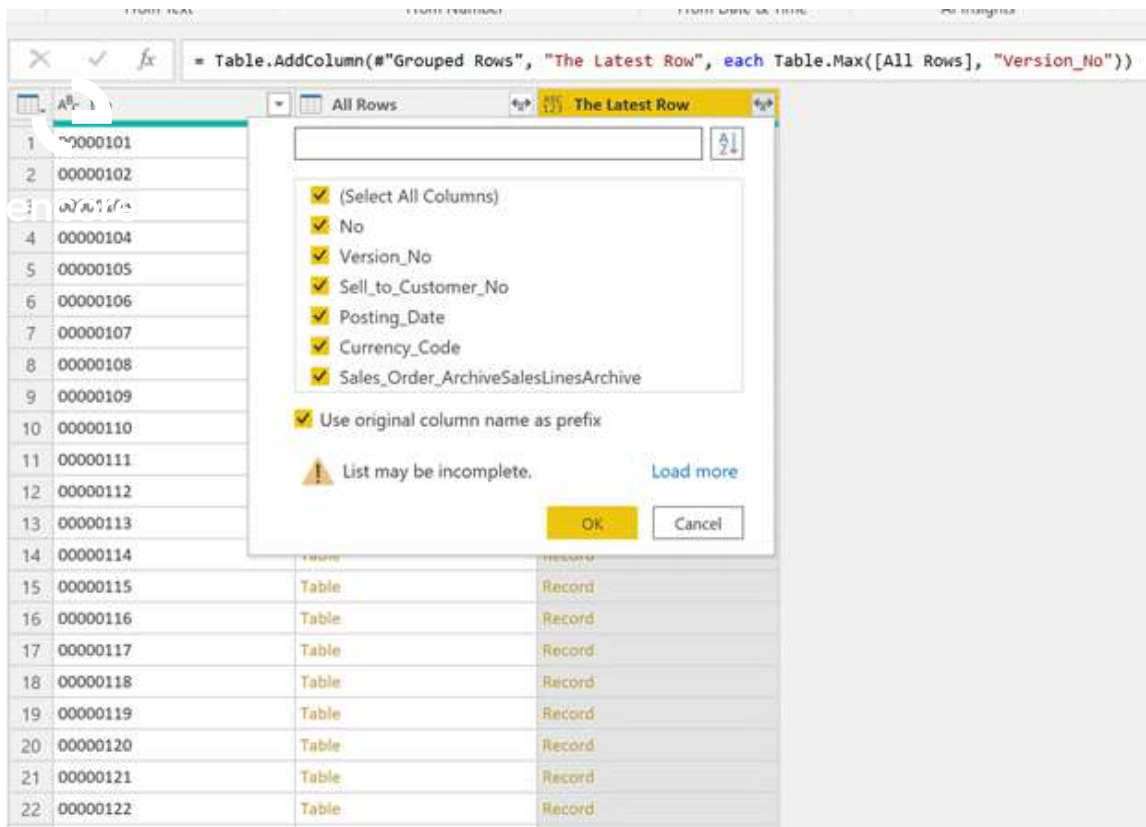
Business Central

Power BI – How and Why to Add Records Between the Start and End Date

Suggested Articles:

How to Refresh Power BI Data in Dynamics 365 Finance & Operations

Power BI with Dynamics 365 Business Central



Business Central

Power BI – How and Why to Add Records Between the Start and End Date

Suggested Articles:

How to Refresh Power BI Data in Dynamics 365 Finance & Operations

Power BI with Dynamics 365 Business Central

View Tools Help

Formulas

From Text: Merge Columns, Extract, Parse

From Number: Statistics, Standard, Scientific, Information

From Date & Time: Date, Time, Duration

AI Insights: Text Analytics, Vision, Azure Machine Learning

Formula Bar: = Table.ExpandRecordColumn("#Added Custom2", "The Latest Row", {"Version_No",

| | A ¹ : No | All Rows | Version_No | Sell_to_Customer_No | Posting_Date |
|----|---------------------|----------|------------|---------------------|--------------|
| 1 | 00000101 | Table | | 2 C000201 | 202 |
| 2 | 00000102 | Table | | 2 C001175 | 202 |
| 3 | 00000103 | Table | | 2 C001176 | 202 |
| 4 | 00000104 | Table | | 2 C000228 | 202 |
| 5 | 00000105 | Table | | 2 C000409 | 202 |
| 6 | 00000106 | Table | | 2 C000831 | 202 |
| 7 | 00000107 | Table | | 2 C001149 | 202 |
| 8 | 00000108 | Table | | 2 C001149 | 202 |
| 9 | 00000109 | Table | | 2 C000909 | 202 |
| 10 | 00000110 | Table | | 3 C000257 | 202 |
| 11 | 00000111 | Table | | 2 C000492 | 202 |
| 12 | 00000112 | Table | | 5 C000257 | 202 |
| 13 | 00000113 | Table | | 4 C000842 | 202 |
| 14 | 00000114 | Table | | 3 C000596 | 202 |
| 15 | 00000115 | Table | | 1 C000710 | 202 |
| 16 | 00000116 | Table | | 1 C000596 | 202 |
| 17 | 00000117 | Table | | 3 C000409 | 202 |
| 18 | 00000118 | Table | | 2 C000240 | 202 |
| 19 | 00000119 | Table | | 3 C000236 | 202 |
| 20 | 00000120 | Table | | 3 C000821 | 202 |
| 21 | 00000121 | Table | | 2 C000940 | 202 |
| 22 | 00000122 | Table | | 3 C000788 | 202 |
| 23 | 00000123 | Table | | 2 C000090 | 202 |
| 24 | 00000124 | Table | | 3 C000186 | 202 |

Business Central

Power BI – How and Why to Add Records Between the Start and End Date

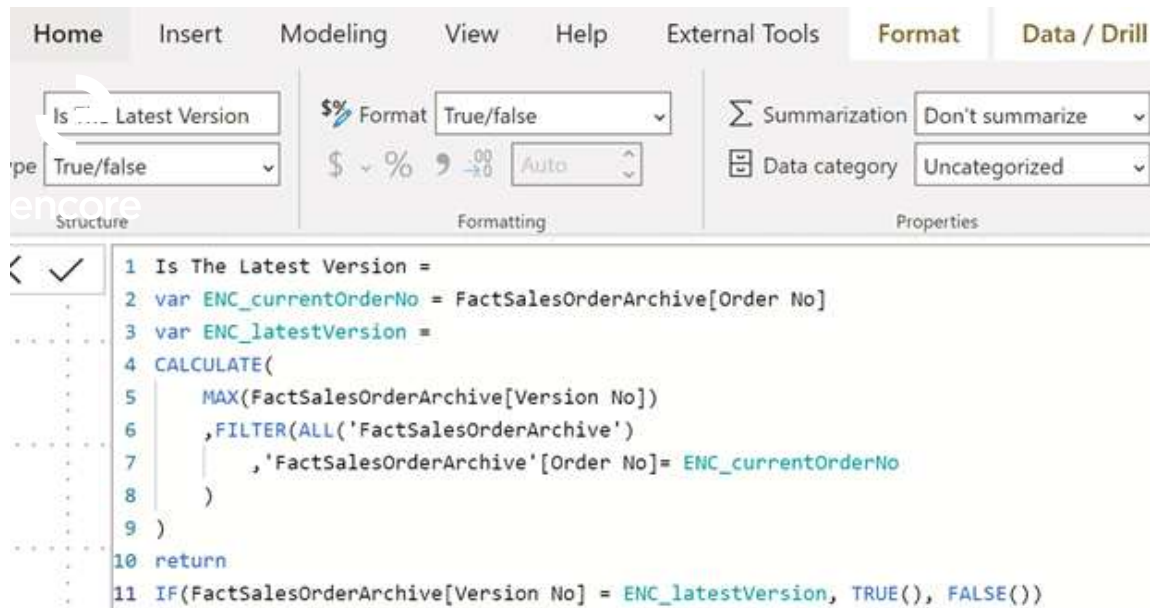
Data Analysis Expressions (DAX) Method

You can create a calculated column below in DAX to use it as a filter or slicer to keep the most records only.

Suggested Articles:

How to Refresh Power BI Data in Dynamics 365 Finance & Operations

Power BI with Dynamics 365 Business Central



Business Central

Power BI – How and Why to
Add Records Between the
Start and End Date

Suggested Articles:

How to Refresh Power BI Data
in Dynamics 365 Finance &
Operations

Power BI with Dynamics 365
Business Central

| Order No | Version No | Is The Latest Version |
|----------|------------|-----------------------|
| 00000111 | 2 | True |
| 00000112 | 1 | False |
| 00000112 | 2 | False |
| 00000112 | 3 | False |
| 00000112 | 4 | False |
| 00000112 | 5 | True |
| 00000113 | 1 | False |
| 00000113 | 2 | False |
| 00000113 | 3 | False |
| 00000113 | 4 | True |
| 00000114 | 1 | False |
| 00000114 | 2 | False |
| 00000114 | 3 | True |
| 00000115 | 1 | True |
| 00000116 | 1 | True |
| 00000117 | 1 | False |
| 00000117 | 2 | False |
| 00000117 | 3 | True |
| 00000118 | 1 | False |
| 00000118 | 2 | True |
| 00000119 | 1 | False |

Which method works better for you all depends on your business and goals. If you need to analyze your data with all versions, the Data Analysis Expressions (DAX) method would be better. Otherwise, the Power Query method is better because it reduces number of rows and the size of the dataset.

Business Central

Power BI – How and Why to Add Records Between the Start and End Date

Suggested Articles:

How to Refresh Power BI Data in Dynamics 365 Finance & Operations

Power BI with Dynamics 365 Business Central

If you have any questions about using **Power BI**, please [get in touch with us](#).

Categorized In: **Power BI**, **Power Platform**

Share: [!\[\]\(2bdfe261b986065ee0ac76460d6528c9_img.jpg\)](#) [!\[\]\(eebbd3dc1abeccf4c1e5751ec03fc559_img.jpg\)](#) [!\[\]\(269a46bd9f0c528dd4b0b2018aec306d_img.jpg\)](#) [!\[\]\(ca9b99849d19f75ed2add026e1deb81c_img.jpg\)](#)

Business Central

Power BI – How and Why to
Add Records Between the
Start and End Date

Author



Justin Song

Justin is a highly qualified Senior Business Intelligence and Data Analyst who holds numerous professional certifications in accounting, business intelligence, project management, data, development and a wide range of technologies.

[More from Justin Song](#)

Related Articles

By **Pierre Manaire**

December 9, 2021

Power BI Apps for Dynamics 365 Business Central

By **Justin Song**

August 31, 2021

Account Schedule With Power BI in Dynamics 365 Business Central

Did you know that Microsoft Power BI can connect account schedule data in Microsoft Dynamics 365 Business Central? Follow the simple steps shown below to try this out yourself: Click search icon Type Account Schedule KPI Web Service Setup Click Account Schedule KPI Web Service Setup Enter information on General header tab Web Service Name...



Business Applications

Specialist

Small and Midsize Business
Management

888.898.4330

encore@encorebusiness.com

Encore Business Solutions Inc. is a Microsoft Dynamics Partner that provides software and services to clients throughout North America.

Microsoft product images reprinted with permission from Microsoft Corporation.

[Company](#)

[About Us](#)

[Leadership](#)

[Careers](#)

Events

Locations

Winnipeg, MB

Calgary, AB

Seattle, WA

North America

Get in Touch


Contact


Support

Subscribe

2025 © Encore Business Solutions [Privacy Policy](#)

Suggested Articles:

 [How to Refresh Power BI Data in Dynamics 365 Finance & Operations](#)

 [Power BI with Dynamics 365 Business Central](#)