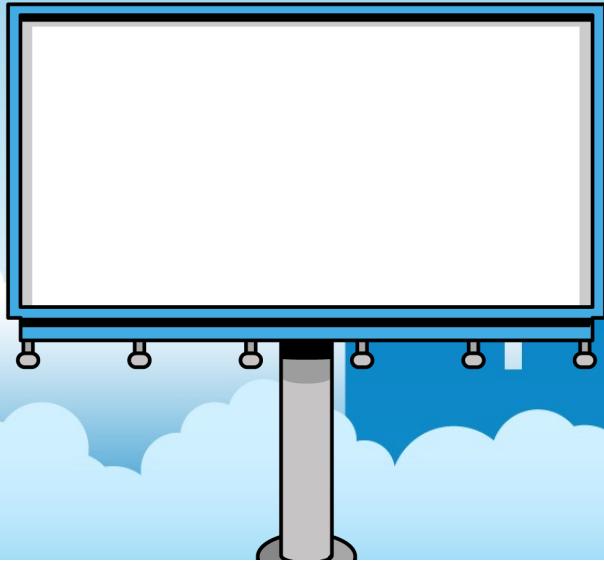


The logo for the 2025 Dynamics Con is rendered in a bold, yellow, comic-style font with thick black outlines. The text is set against a vibrant background featuring a stylized city skyline with various skyscrapers in shades of blue and purple. A large, stylized wave or ribbon graphic in white and grey curves around the bottom left of the text. In the upper left, a small blue figure is shown in flight with a long white and blue trail. In the lower right, two characters in blue and purple costumes are seated on a golden fountain structure with multiple water jets. The overall color palette is dominated by purples, pinks, and blues, creating a dynamic and energetic feel.

# 2025 DYNAMICS CON

[dynamicscon.com](https://dynamicscon.com)

# The Strategic CFO Toolkit



# Introduction

## David Eichner, CPA

### ➤ Experience

- Navy Veteran (Submarines)
- Nuclear Engineer
- CPA, CITP
- Database/Cloud Architect
- Founder – ICAN Software Solutions
  - Mass Apply Receivables
  - Mass Apply Payables
  - InvestmentAssets
  - Vendor Price Lists
- 30 years experience supporting Dynamics GP

**ICAN**  
Software Solutions



# The Strategic CFO Toolkit (In Order To Know What You Need To Know)

- Identify Business Events Or Key Metrics To Track
  - New Vendors?
  - Transactions Or Balances?
    - Payments Above Threshold
    - Checkbook Balance
    - Vendor Balance
    - Customer Balance
  - Key Metrics
    - Current Ratio, Quick Ratio, DebtToEquity Ratio, etc.





# The Strategic CFO Toolkit (In Order To Know What You Need To Know)

- Selecting The Data With SQL:
  - SELECT statement – What To Know
    - SELECT \* FROM DATABASE..TABLE WHERE COLUMN1 = VALUE1 AND...
    - ORDER BY GROUP BY
- Using Copilot To Generate The SQL You Need



# Demo

## Using Copilot To Generate SQL



# The Strategic CFO Toolkit (In Order To Know What You Need To Know)

## ➤ Event Notifications:

- SmartList Alerts
- Business Alerts
- SQL Reports
  - SQL Report Builder
  - SSRS Scheduler



# Exception Based SmartList Alerts



# SmartList Alerts

SmartList - TWO16 (sa)

New Modify Search Refresh Columns Favorites Print Excel Word Stop Go To Publish Options File Tools Help

Actions

> Accounts - \*

Account Number	Account Description	Posting Type	Account Category Number	Main Account Segment
----------------	---------------------	--------------	-------------------------	----------------------

Add or Remove Favorites

Category: Accounts

Name: BalSheetAccountsMisclassifiedAsP&L

Visible To: System

Remove Modify Add Cancel

Add favorite  
Add favorite and reminder

0 Accounts Completed First 1000 records where Main Account Segment is less than 4000 and Posting Type is equal to Profit and Loss.



# SmartList Alerts

Custom Reminder - TWO16 (sa)

OK Cancel File Tools Help Add Note

Actions File Tools Help

SmartList Favorite

BalSheetAccountsMisclassifiedAsP&L

Category: Accounts

Visible to: System

Remind me when

☒ Number of records

is greater than 0

☐ Total of column

0.00

☐ Display as a Cue



# SmartList Alerts

Custom Reminder - TWO16 (sa)

OK Cancel File Tools Help Add Note

Actions File Tools Help

SmartList Favorite

Items Below Order Point Quantity

Category: Item Quantities

Visible to: System

Remind me when

☒ Number of records

is greater than 0

☐ Total of column

0.00

☐ Display as a Cue

# SmartList Alerts

SmartList - TWO

New Modify Search

Options File Tools Help

**Add or Remove Favorites**

Category: Customers

Name: Past Due Customers

Visible To: System

Remove Modify Add Cancel

Customer Name

Mahler State Unive...

Place One Suites \$0.00 \$0.00

121 - 150 Days	151 - 180 Days	18
\$0.00	\$0.00	
0	\$0.00	



# SmartList Alerts

Reminder Preferences - TWO16 (sa)

OK File Tools Help Add Note

Actions File Tools Help

### Predefined Reminders

	Remind Me	Remind Me	Display as a Cue
Overdue Invoices	<input type="checkbox"/>	0 days after due date.	<input type="checkbox"/>
Payables Due	<input type="checkbox"/>	0 days before due date.	<input type="checkbox"/>
Recurring General Ledger Batches	<input checked="" type="checkbox"/>	3 days before post date.	<input type="checkbox"/>
Recurring Receivables Batches	<input type="checkbox"/>	0 days before post date.	<input type="checkbox"/>
Recurring Payables Batches	<input type="checkbox"/>	0 days before post date.	<input type="checkbox"/>
Items Due for Stock Count	<input type="checkbox"/>	0 days before due date.	<input type="checkbox"/>
Collection Tasks Due	<input type="checkbox"/>	0 days before due date.	<input type="checkbox"/>
Lots Due to Expire	<input type="checkbox"/>	0 days before due date.	<input type="checkbox"/>

### Custom Reminders

Name	Category
BalSheetAccountsMisclassifiedAsP...	Accounts
Customers Over Credit Limit*	Customers
Items Below Order Point Quantity	Item Quantities
Past Due Customer Transactions*	Receivables Transactions
Payables Due Today*	Payables Transactions
Receivables Due Today*	Receivables Transactions

New

Modify

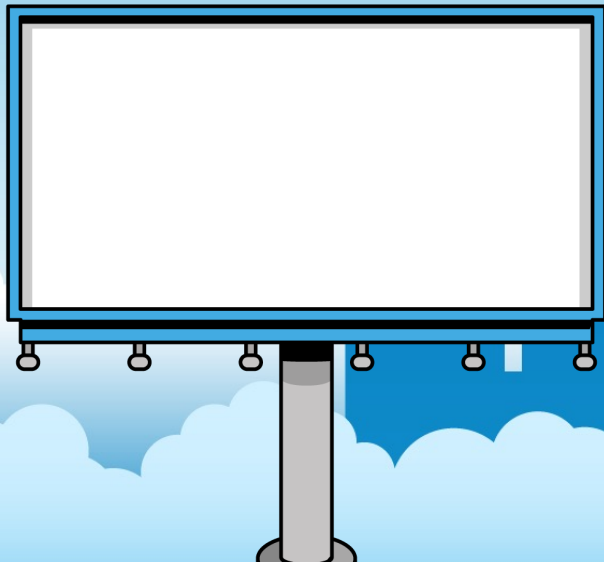
Remove



# Demo SmartList Alerts



# Business Alerts



# EXISTING BUSINESS ALERTS CAN BE MODIFIED

**Define Business Alert**

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Create a New Business Alert**  
Business Alerts need to be given a name and description.

Use the Business Alert Wizard to create new business alerts or modify existing business alerts. An unlimited number of Business Alerts can be set up.

1. Select the database you want this alert to apply to.
2. Enter a Business Alert ID and a description.

Database: TWO

Name: Fabrikam, Inc.

Business Alert ID: CHECKBOOK BAL

Description: Checkbook Balance Below \$0.00

<< Back Next >> Cancel



# SEEMS PRETTY EASY...

**Select Tables**

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Select Tables**  
Select the Tables which will be used in the Business Alert definition.

Series: All

Tables

- Account Analysis Group Codes
- Account Analysis Groups
- Account Cache
- Account Catenary Master

Insert Remove

Selected Tables

- CM00100\_T1 -- CM Checkbook Master

<< Back Next >> Cancel



# I'M GETTING IT...

**Define Alert Formula**

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Define Business Alert Formula**  
Specify the conditions you want this alert to check for.

Operator

=	<	>	+	-	*	Avg	Sum	Min	Between	Like
<=	>=	<>	/	(	)	Max	Count	And	Or	Not

Table  Column Name

Constant

Business Alert Formula


CM00100\_T1.CURRBLNC < 0



# THIS IS PRETTY COOL...

**Alert Notification**

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Alert Notification** 

Select the people who should be notified when the alert conditions are met.

Send To ☒ E-mail ☐ User ID

Send ☐ Message Only ☒ Message and Report

To...

Alert Recipients

deichner@icansoftware.com

Message Text

The attached checkbook balances have fallen below \$0.00

<< Back Next >>



# MAYBE NOT...WHAT DO I DO NOW?

## Microsoft Dynamics GP



The following error occurred in SQL Server: SQL Server blocked access to procedure 'dbo.sp\_send\_dbmail' of component 'Database Mail XPs' because this component is turned off as part of the security configuration for this server. A system admini.

OK

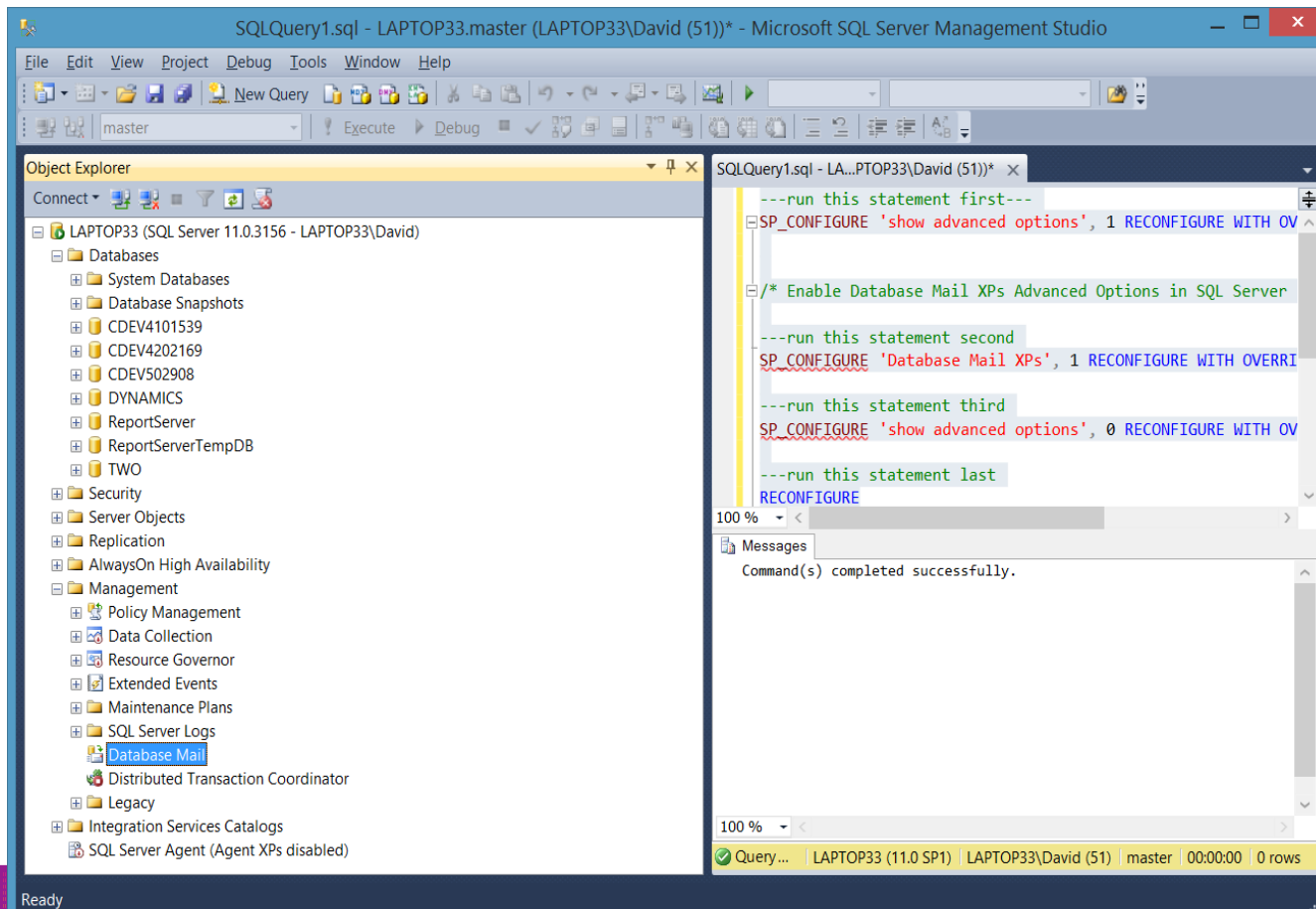


# Setup – Configuring SQL Server For Email

- Login on SQL Server as the sa user
- Show Advanced Options
  - `SP_CONFIGURE 'show advanced options', 1 RECONFIGURE WITH OVERRIDE`
- Enable Database Mail XPs Advanced Options in SQL Server
  - `SP_CONFIGURE 'Database Mail XPs', 1 RECONFIGURE WITH OVERRIDE`
- Hide Advanced Options
  - `SP_CONFIGURE 'show advanced options', 0 RECONFIGURE WITH OVERRIDE`
- Reconfigure
  - `RECONFIGURE`

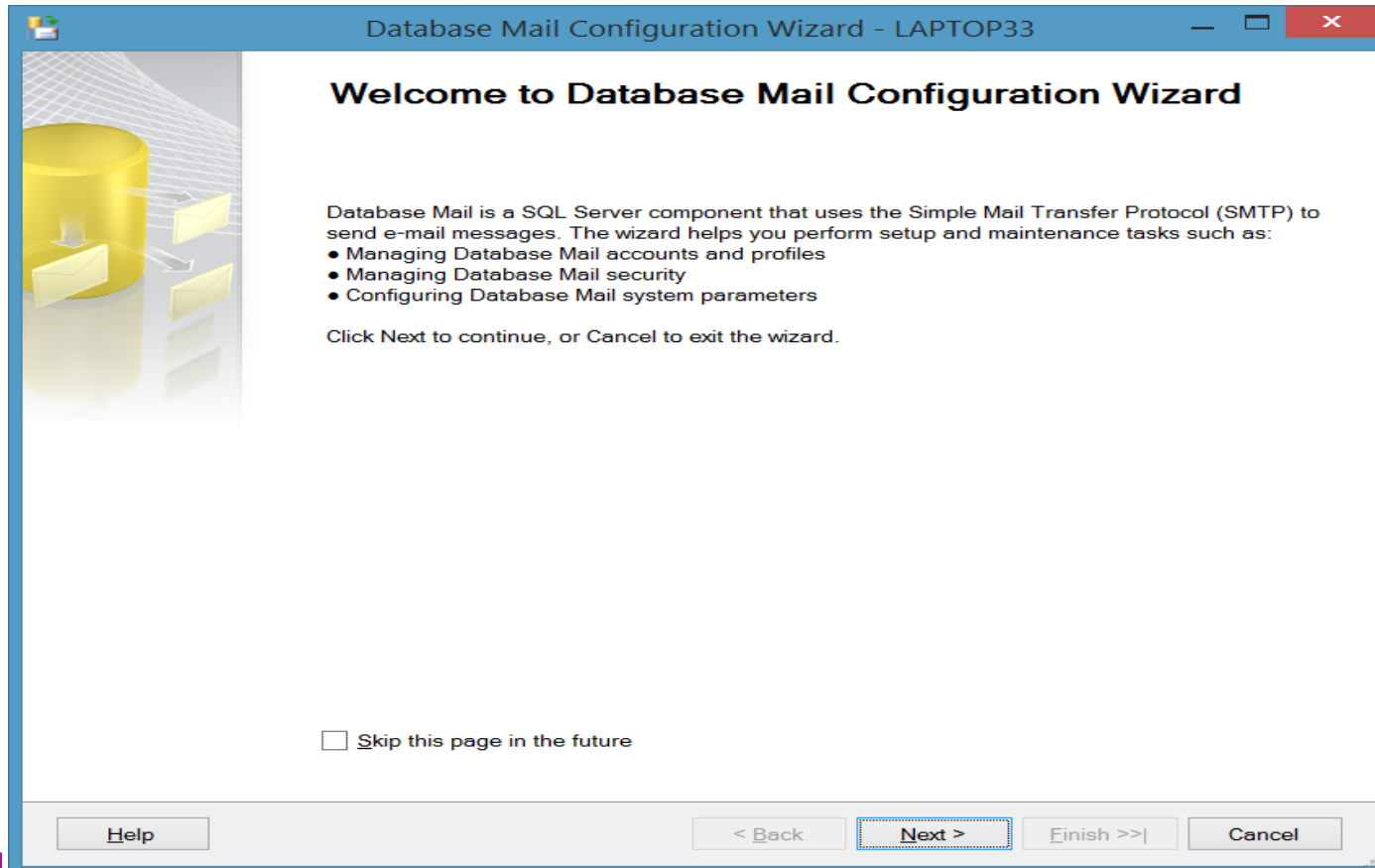


# Setup – Configuring SQL Server For Email

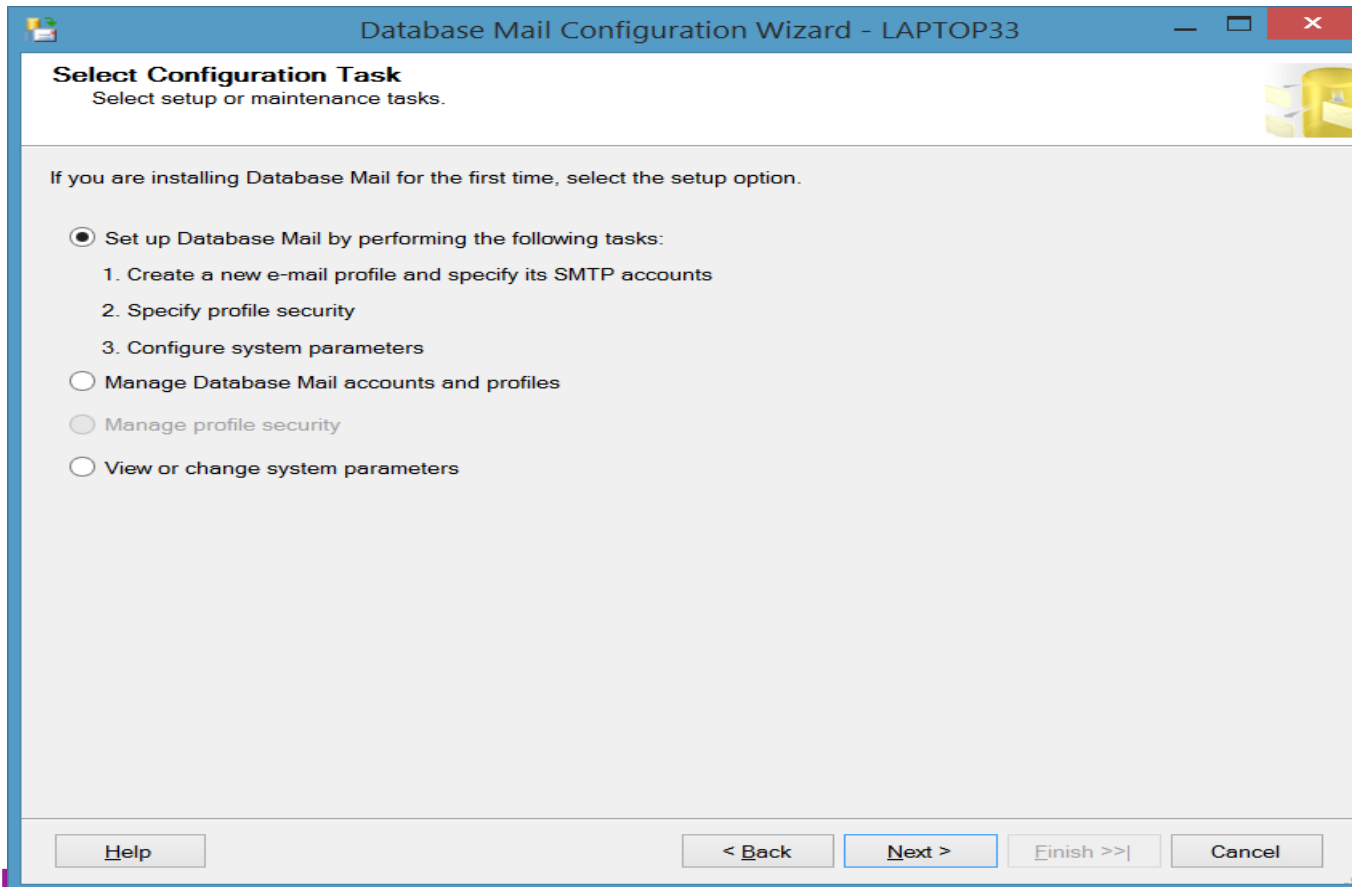




# Setup – Configuring SQL Server For Email



# Setup – Configuring SQL Server For Email



The screenshot shows the 'Database Mail Configuration Wizard' window for 'LAPTOP33'. The title bar is blue with standard Windows window controls. The main content area has a white background with a blue border. At the top, it says 'Select Configuration Task' and 'Select setup or maintenance tasks.' Below this, a grey box contains the instruction: 'If you are installing Database Mail for the first time, select the setup option.' There are five radio button options: 'Set up Database Mail by performing the following tasks:' (selected), 'Manage Database Mail accounts and profiles', 'Manage profile security', and 'View or change system parameters'. The first option has a numbered list: '1. Create a new e-mail profile and specify its SMTP accounts', '2. Specify profile security', and '3. Configure system parameters'. At the bottom, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

Database Mail Configuration Wizard - LAPTOP33

**Select Configuration Task**  
Select setup or maintenance tasks.

If you are installing Database Mail for the first time, select the setup option.

☒ Set up Database Mail by performing the following tasks:

1. Create a new e-mail profile and specify its SMTP accounts
2. Specify profile security
3. Configure system parameters

☐ Manage Database Mail accounts and profiles

☐ Manage profile security

☐ View or change system parameters

Help < Back Next > Finish >>| Cancel



# Setup – Configuring SQL Server For Email

Database Mail Configuration Wizard - LAPTOP33

## New Profile

Specify the profile name, description, accounts, and failover priority.

Profile name:

Description:

A profile may be associated with multiple SMTP accounts. If an account fails while sending an e-mail, the profile uses the next account in the priority list. Specify the accounts associated with the profile, and move the accounts to set the failover priority.

SMTP accounts:

Prio...	Account Na...	E-mail Address
---------	---------------	----------------



# Setup – Configuring SQL Server For Email

New Database Mail Account

Specify name, description, and attributes for your SMTP account.

Account name: Office365MailAccount

Description:

Outgoing Mail Server (SMTP)

E-mail address: david@icansoftware.com

Display name: GP Business Alerts

Reply e-mail: david@icansoftware.com

Server name: smtp.office365.com Port number: 587

☒ This server requires a secure connection (SSL)

SMTP Authentication

☐ Windows Authentication using Database Engine service credentials

☒ Basic authentication

User name: david@icansoftware.com

Password: \*\*\*\*\*

Confirm password: \*\*\*\*\*

☐ Anonymous authentication

OK Cancel Help



# Setup – Configuring SQL Server For Email

Database Mail Configuration Wizard - LAPTOP33

## New Profile

Specify the profile name, description, accounts, and failover priority.

Profile name:

Description:

A profile may be associated with multiple SMTP accounts. If an account fails while sending an e-mail, the profile uses the next account in the priority list. Specify the accounts associated with the profile, and move the accounts to set the failover priority.

SMTP accounts:

Prio...	Account Name	E-mail Address
1	Office365MailAccount	david@icansoftware.com
	Office365MailAccount	



# Setup – Configuring SQL Server For Email

Database Mail Configuration Wizard - LAPTOP33

## Manage Profile Security

Specify database users or roles that have access to profiles.

Public Profiles Private Profiles

A public profile can be accessed by all users of any mail-host database.

Select public profiles. You can also specify the default public profile.

Public	Profile Name	Default Profile
<input type="checkbox"/>	Office365Mail	No

☐ Show only existing public profiles

Help < Back Next > Finish >>| Cancel





# Setup – Configuring SQL Server For Email

Database Mail Configuration Wizard - LAPTOP33

## Manage Profile Security

Specify database users or roles that have access to profiles.

Public Profiles Private Profiles

A public profile can be accessed by all users of any mail-host database.

Select public profiles. You can also specify the default public profile.

Public	Profile Name	Default Profile
<input checked="" type="checkbox"/>	Office365Mail	Yes

☐ Show only existing public profiles

Help < Back Next > Finish >>| Cancel



# Setup – Configuring SQL Server For Email

Database Mail Configuration Wizard - LAPTOP33

### Configure System Parameters

View or change Database Mail system parameters.

System parameters:

Parameter	Value
Account Retry Attempts	1
Account Retry Delay (seconds)	60
Maximum File Size (Bytes)	1000000
Prohibited Attachment File Extensions	exe,dll,vbs,js
Database Mail Executable Minimum Lifetime (seconds)	600
Logging Level	Extended

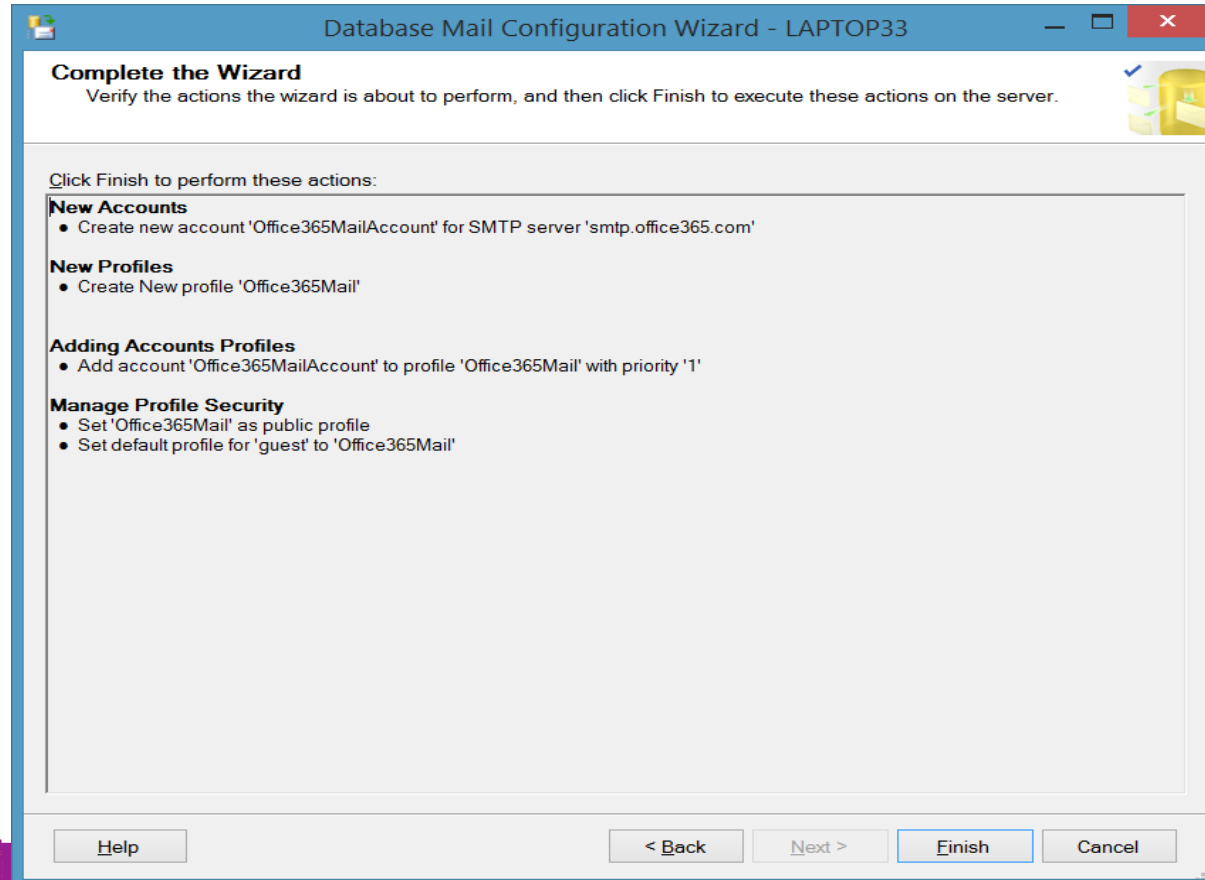
Number of retry attempts for a mail server to send email.

Reset All

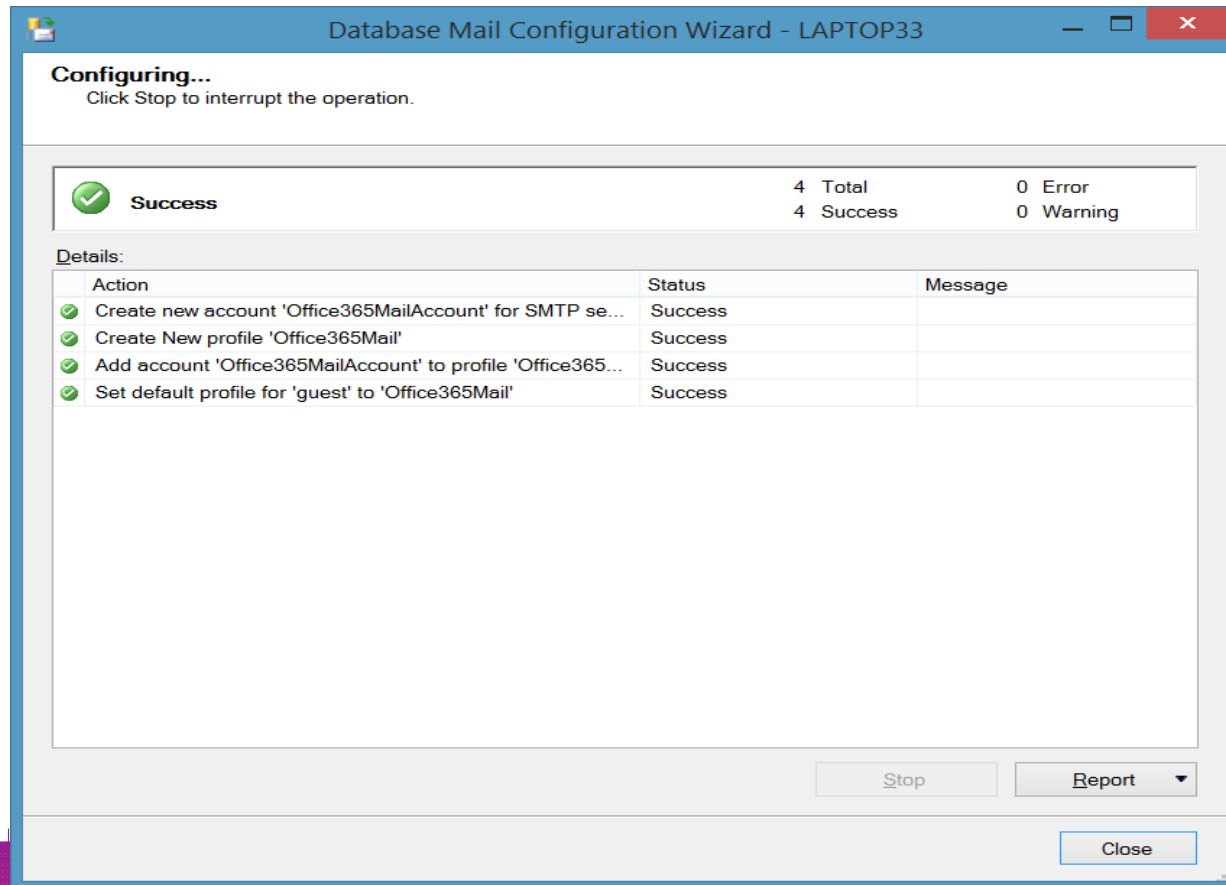
Help < Back Next > Finish >>| Cancel



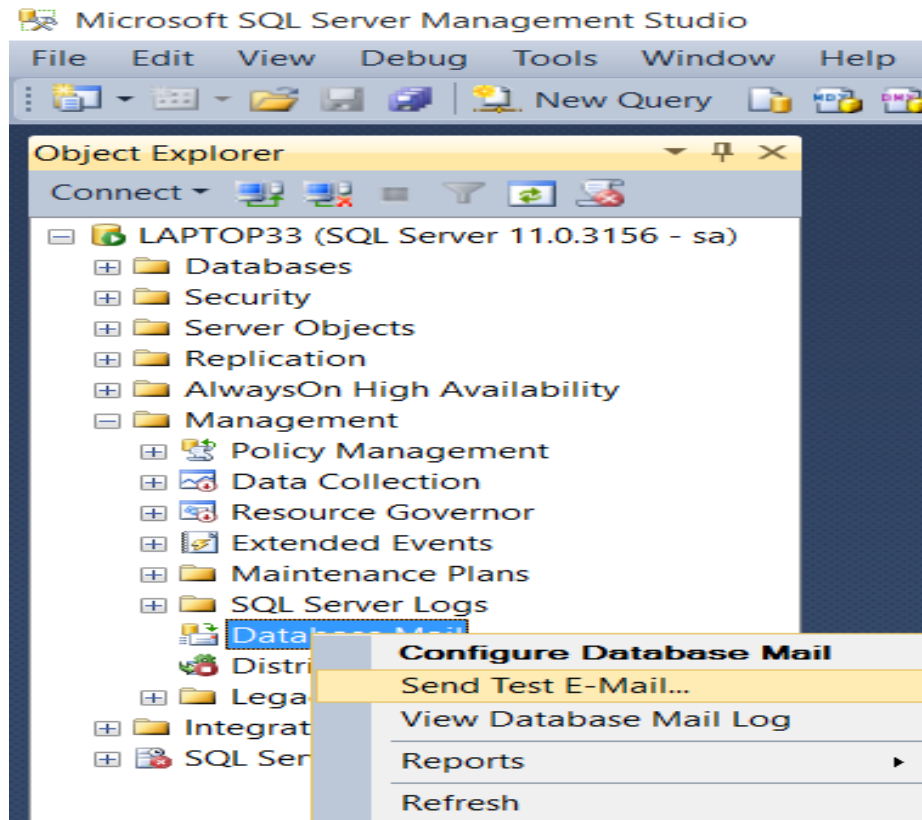
# Setup – Configuring SQL Server For Email



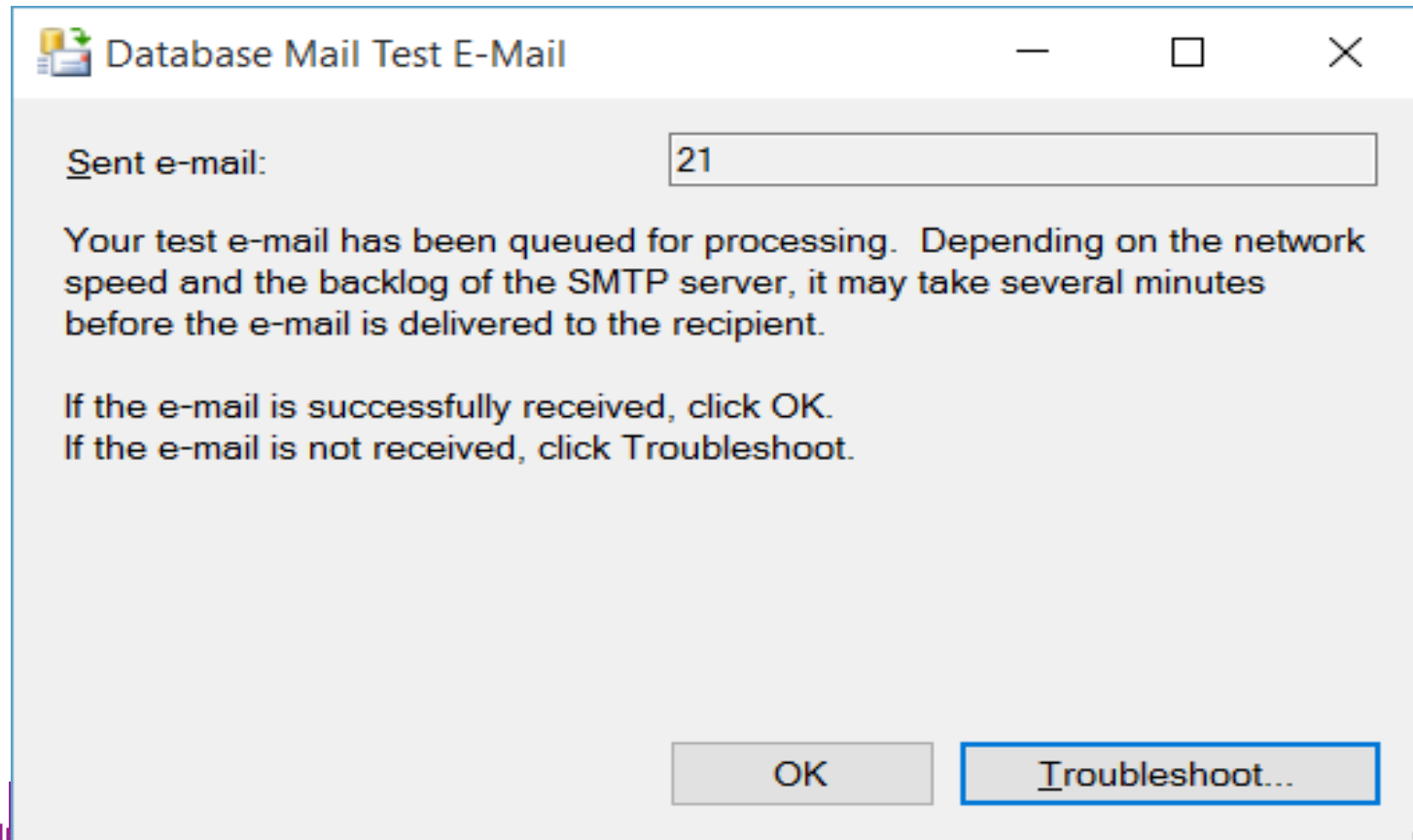
# Setup – Configuring SQL Server For Email



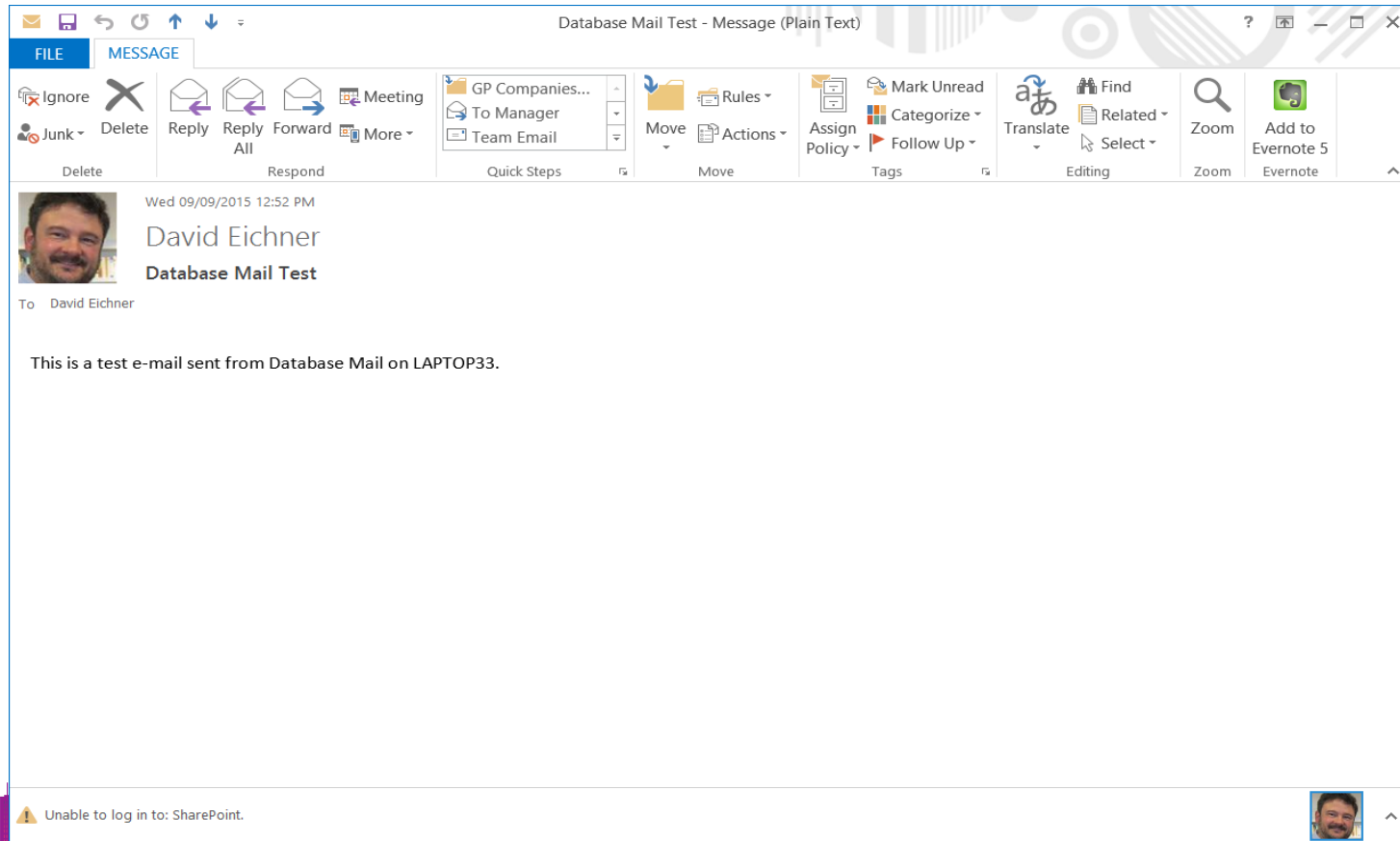
# Setup – Configuring SQL Server For Email



# Setup – Configuring SQL Server For Email



# Setup – Configuring SQL Server For Email



# Testing Existing Business Alert Report

Select Report Columns

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Select Report Columns**  
Select the fields which will be displayed in the output text file.

Table  
CM00100\_T1 -- CM Checkbook Master

Columns  
Account Index  
Allow Deposit Variance Dollar  
Allow Deposit Variance Password  
Bank Account Number

Insert  
Remove

Report Column	Heading
CM00100_T1.CHEKBKID	Checkbook
CM00100_T1.DSCRIPTN	Description
CM00100_T1.BNKACTNM	Bank_Account_Number
CM00100_T1.CURRBLNC	Balance

Help << Back Next >> Cancel





# Testing Existing Business Alert Report

Select Report Sorting Options

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Report Sorting Options**  
Define which columns you want the report to be sorted by

Select the columns to sort the report by.

Columns

CM00100\_T1.DSCRIPTN  
CM00100\_T1.BNKACTNM  
CM00100\_T1.CURRBLNC

Insert Remove

Report Sort Order

CM00100\_T1.CHEKBKID

Help << Back Next >> Cancel



# Testing Existing Business Alert Report

Select Report Columns

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Select Report Columns**  
Select the fields which will be displayed in the output text file.

Table  
CM00100\_T1 -- CM Checkbook Master

Columns  
Account Index  
Allow Deposit Variance Dollar  
Allow Deposit Variance Password  
Bank Account Number

Insert  
Remove

Report Column	Heading
CM00100_T1.CHEKBKID	Checkbook
CM00100_T1.DSCRIPTN	Description
CM00100_T1.BNKACTNM	Bank_Account_Number
CM00100_T1.CURRBLNC	Balance

Help << Back Next >> Cancel



# Testing Existing Business Alert Report

**Schedule Alert**

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Schedule Alert**  
When should the system check for the conditions of the Alert?

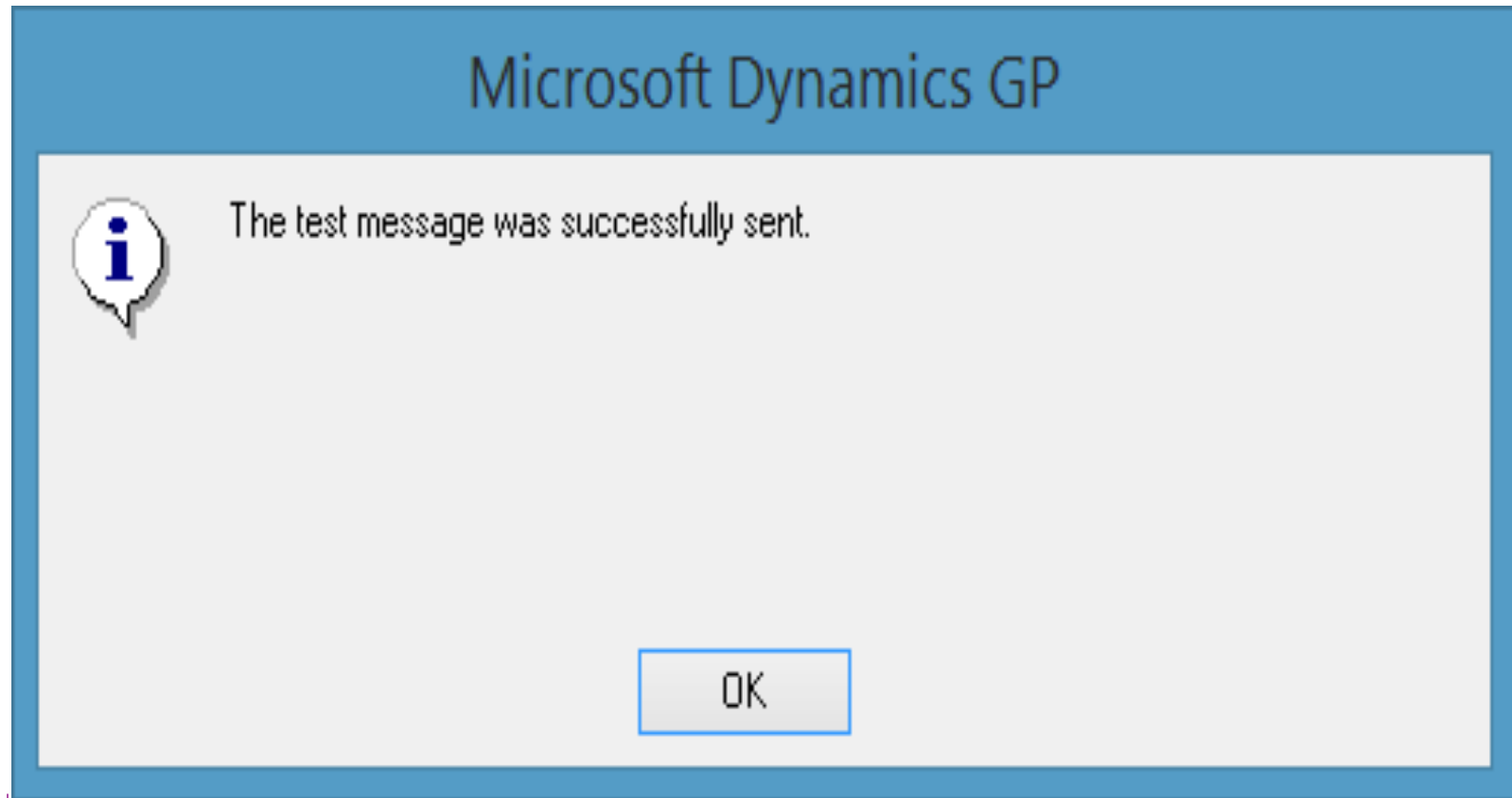
**When**  
☒ Daily  
☐ Weekly  
☐ Monthly

**Occurs**  
☐ Once At: 12:00:00 AM  
☒ Every: 1 Minute(s) Starting At: 12:00:00 AM  
Ending At: 11:59:59 PM

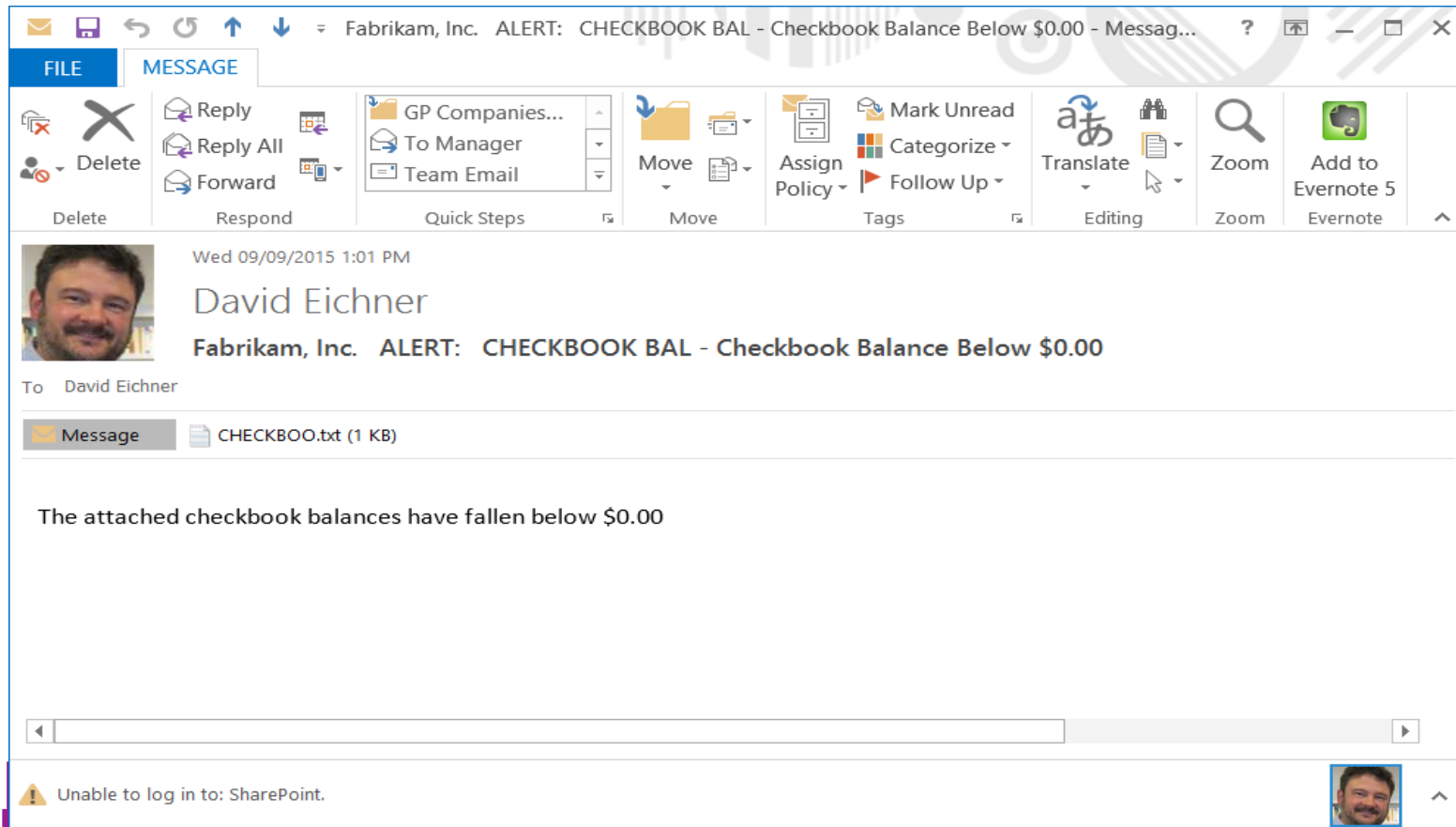
**Duration**  
Start Date: 09/08/2015 End Date: 12/31/9999 ☒ No End Date

☒ Keep Alert History ☒ Enable Business Alert

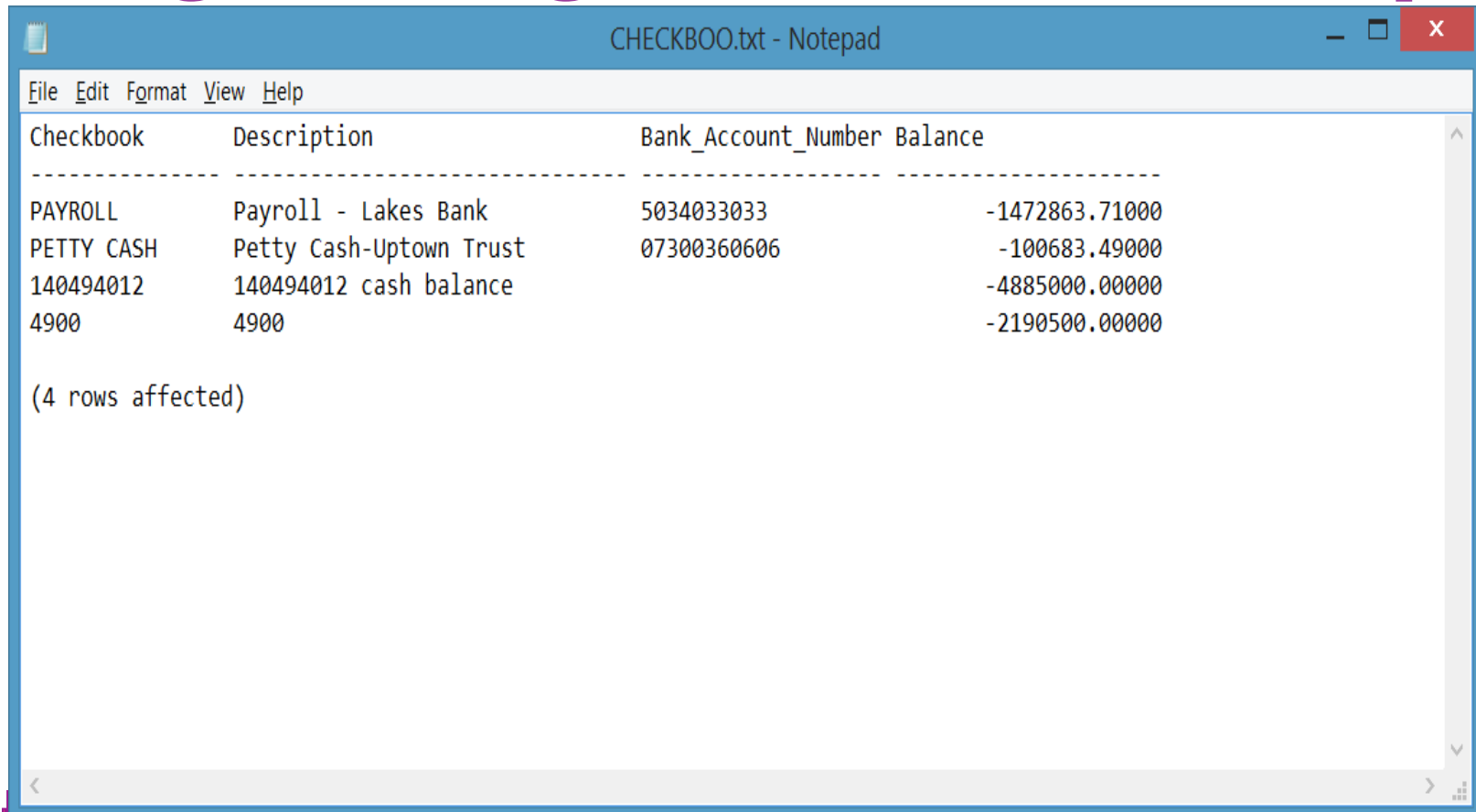
# Testing Existing Business Alert Report



# Testing Existing Business Alert Report



# Testing Existing Business Alert Report



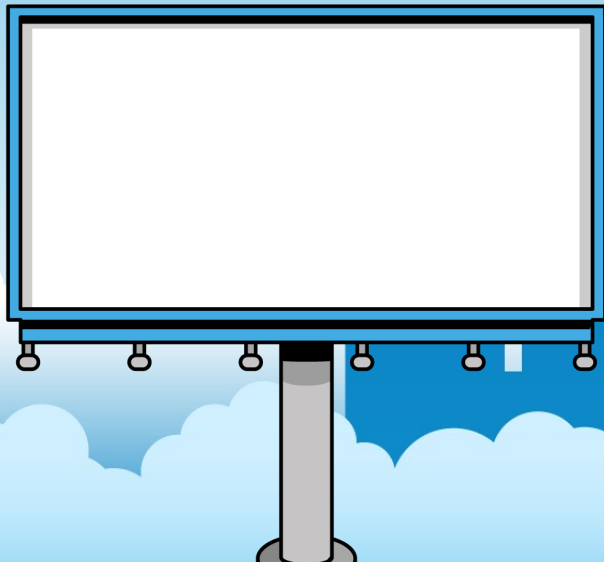
A Notepad window titled "CHECKBOO.txt - Notepad" displays a table of business alert data. The table has four columns: "Checkbook", "Description", "Bank\_Account\_Number", and "Balance". The data is as follows:

Checkbook	Description	Bank_Account_Number	Balance
PAYROLL	Payroll - Lakes Bank	5034033033	-1472863.71000
PETTY CASH	Petty Cash-Uptown Trust	07300360606	-100683.49000
140494012	140494012 cash balance		-4885000.00000
4900	4900		-2190500.00000

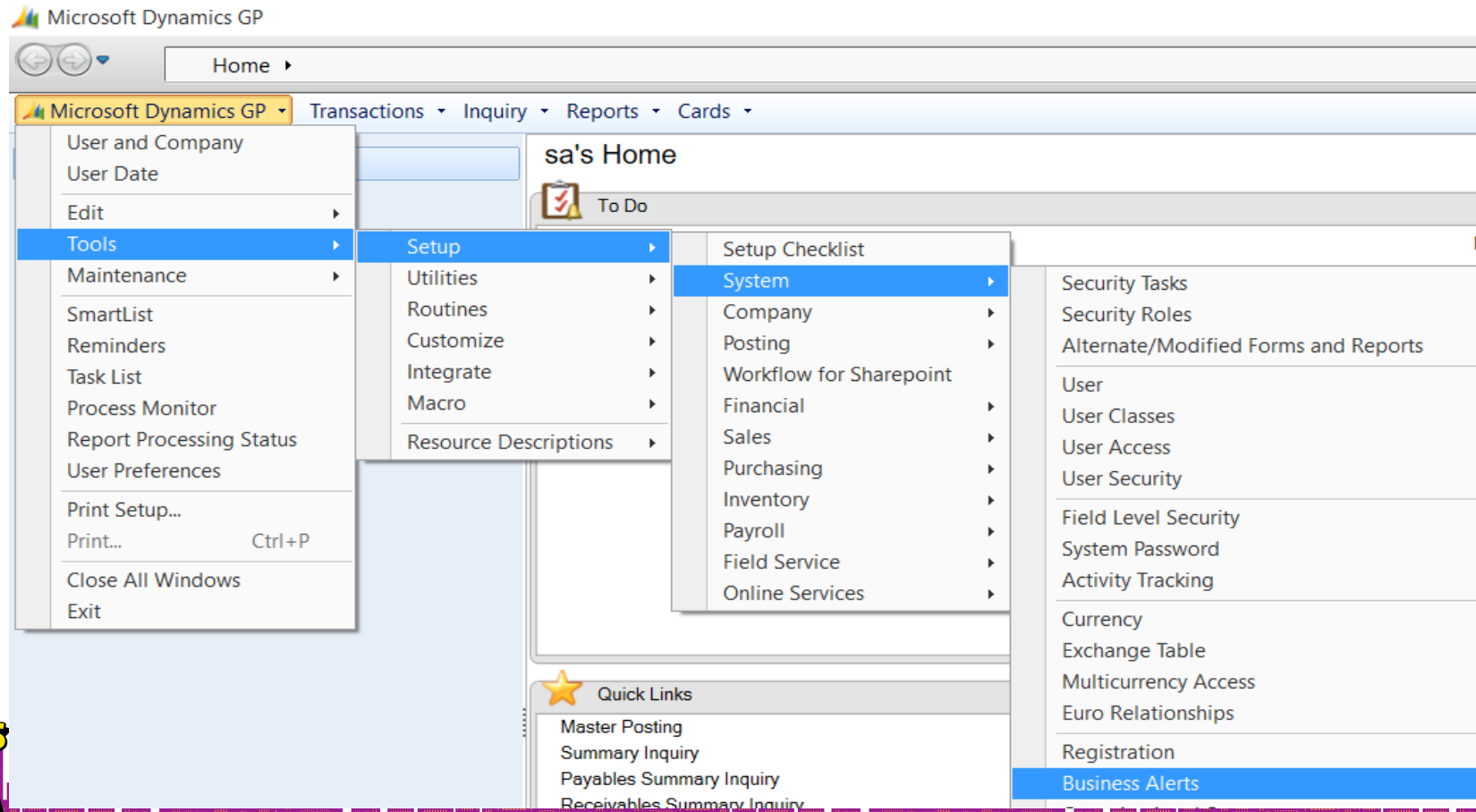
(4 rows affected)



# Modifying Existing Business Alerts



# Modifying Existing Business Alerts





# Modifying Existing Business Alerts

Select Existing Alert

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Select a Business Alert**

Which existing business alert do you want to modify?

Select the database for which an existing alert has been created.  
Select the Business Alert from the list box and choose Next to continue.

Databases TWO Name Fabrikam, Inc.

Business Alert	Description	Database
OVERTIME PAY	Overtime Pay For The I	TWO
PM DOC HOLD	Payables Document Ho	TWO
PM PAST DUE	PM Past Due Vendors	TWO
RM PAST DUE	Customer Past Due	TWO
SALES DOC HOLD	Sales Documents On t	TWO
VENDOR HOLD	Vendors On Hold	TWO

<< Back Next >> Cancel




# Modifying Existing Business Alerts

Define Business Alert

FileEditToolsHelpsa Fabrikam, Inc. 04/12/2017

Create a New Business Alert

Business Alerts need to be given a name and description.



Use the Business Alert Wizard to create new business alerts or modify existing business alerts. An unlimited number of Business Alerts can be set up.

1. Select the database you want this alert to apply to.

2. Enter a Business Alert ID and a description.

Database:

TWO

Name

Fabrikam, Inc.

Business Alert ID

RM PAST DUE

Description


Customer Past Due

?? BackNext >>Cancel

# Modifying Existing Business Alerts

Select Tables

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Select Tables** 

Select the Tables which will be used in the Business Alert definition.

Series:  ▼

Tables

Account Analysis Group Codes	▲
Account Analysis Groups	
Account Cache	
Account Customer Master	▼

Insert Remove

Selected Tables

RM00101_T2 -- RM Customer MSTR
RM00103_T1 -- Customer Master Summary

?? << Back Next >> Cancel




# Modifying Existing Business Alerts

Joining Tables

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Joining Tables**  
If multiple tables are used, their relationship needs to be defined.



Select two tables you want to join

RM00101\_T2 -- RM Customer Master

RM00103\_T1 -- Customer Master Summary


Select the columns that are in common between those tables and click Insert.

Insert

Remove

Joined Tables

RM00103\_T1.CUSTNMBR = RM00101\_T2.CUSTNMBR



<< Back

Next >>

Cancel

# Modifying Existing Business Alerts

Define Alert Formula

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Define Business Alert Formula**  
Specify the conditions you want this alert to check for.

Operator

=	<	>	+	-	*	Avg	Sum	Min	Between	Like
<=	>=	<>	/	(	)	Max	Count	And	Or	Not

Table  Column Name

Constant

Business Alert Formula

(RM00103\_T1.AGPERAMT\_2 > 0 OR RM00103\_T1.AGPERAMT\_3 > 0 OR  
RM00103\_T1.AGPERAMT\_4 > 0 OR RM00103\_T1.AGPERAMT\_5 > 0 OR  
RM00103\_T1.AGPERAMT\_6 > 0 OR RM00103\_T1.AGPERAMT\_7 > 0)

# Modifying Existing Business Alerts

Alert Notification

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Alert Notification**  
Select the people who should be notified when the alert conditions are met.

Send To

☒ E-mail

☐ User ID

Send

☐ Message Only

☒ Message and Report

To...

Alert Recipients

deichner@icansoftware.com

Insert >>

Remove

Remove All

Message Text

The attached list of customers have past due balances.

Test Mail

??

<< Back

Next >>

Cancel



# Modifying Existing Business Alerts

Select Report Columns

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Select Report Columns**  
Select the fields which will be displayed in the output text file.

Table  
[ ]

Columns  
[ ]

Insert  
Remove


Report Column	Heading
RM00101_T2.CUSTNMBR	Customer_Number
RM00101_T2.CUSTNAME	Name
RM00103_T1.AGPERAMT_2	Thirty_One_to_Sixty
RM00103_T1.AGPERAMT_3	Sixty_One_to_Ninety

<< Back Next >> Cancel

# Modifying Existing Business Alerts

Select Report Sorting Options

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Report Sorting Options** 

Define which columns you want the report to be sorted by

Select the columns to sort the report by.

Columns

RM00101_T2.CUSTNAME	^
RM00103_T1.AGPERAMT_2	
RM00103_T1.AGPERAMT_3	
RM00103_T1.AGPERAMT_4	v

Insert Remove

Report Sort Order

RM00101_T2.CUSTNMBR
---------------------

?? << Back Next >> Cancel




# Modifying Existing Business Alerts

Schedule Alert

File Edit Tools Help sa Fabrikam, Inc. 04/12/2017

**Schedule Alert**  
When should the system check for the conditions of the Alert?




When  
☒ Daily  
☐ Weekly  
☐ Monthly

Occurs  
☐ Once At: 12:00:00 AM  
☒ Every: 1 Minute(s) Starting At: 12:00:00 AM  
Ending At: 11:59:59 PM

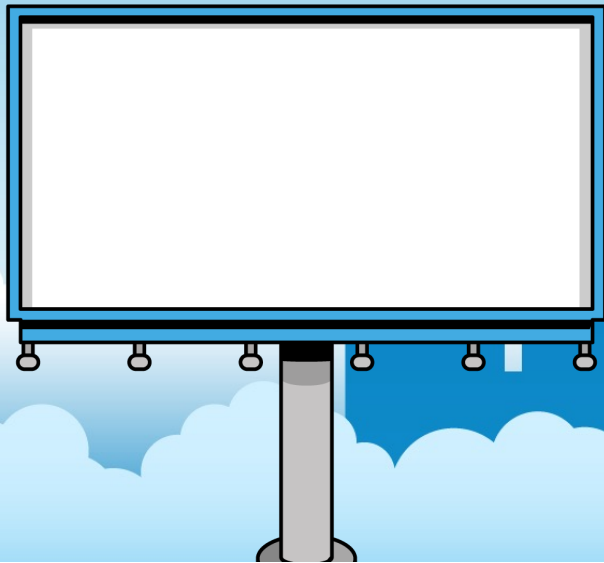
Duration  
Start Date: 09/05/1997 End Date: 12/31/9999 ☒ No End Date

☒ Keep Alert History ☒ Enable Business Alert

 << Back Finish Cancel



# Creating New Business Alerts

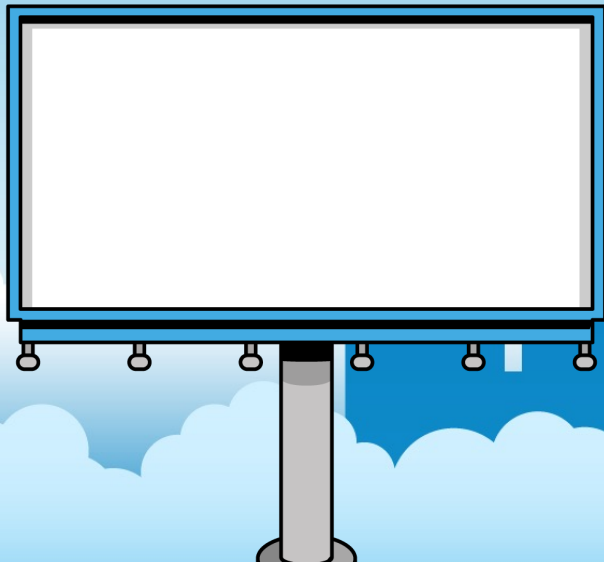


# Additional Business Alerts?

- New GL Account
- New Vendor
- New Employee
- Excessively High Credit Limit
- Payments To A Specific Vendor
- Employee Check With Zero Amount
- Employee With Leave Balance Above Certain Level



# SQL Report Builder for SSRS



# SQL Report Builder

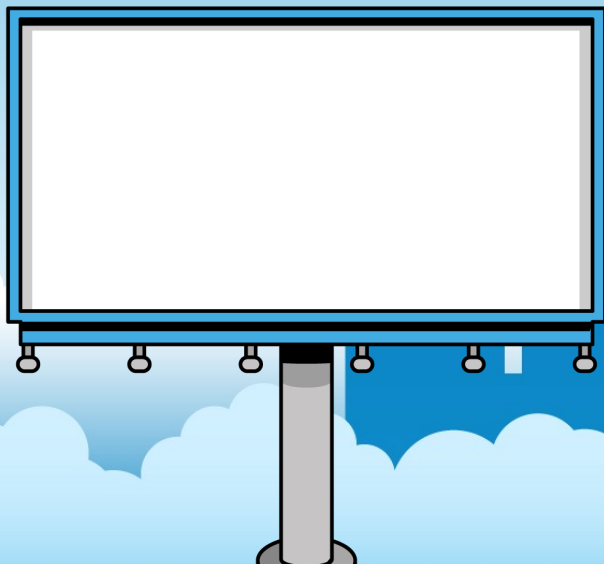
- Free Download From Microsoft
- Does Not Require SSRS
- Can Create And Publish To SSRS
- Wizard For Creating The Report You Need Quickly
- Can Be Used To Create Dashboards



# Demo SQL Report Builder



# Power BI Reports



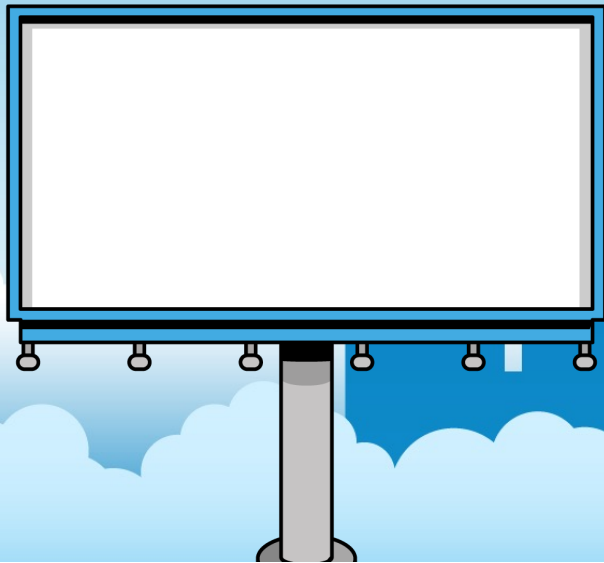
# Power BI Reports

- Enhanced Reporting and Visualization
- Integration With More Data Sources (especially cloud-based services)
- Reports Can Be Shared In Teams For Better Decision-Making & Teamwork
- Mobile Accessibility With Mobile Apps for iOS and Android
- Cloud-Based or On-Premises Options





# Automating Dynamics GP With Macros



# Automating Dynamics GP With Macros

- Easy To Record (Even From The Login Screen)
- Macros Can Be Scheduled To Run
- Schedule Long Running Processes
  - Run Reports At Night
  - Paid Transaction Removal
  - Aging
  - Email Statements Automatically



## Contact Info:

David Eichner, CPA

[david@icansoftware.com](mailto:david@icansoftware.com)

[icancloudapps.com](http://icancloudapps.com)

A large, stylized graphic of a globe with a black outline. The text "2025 DYNAMICS CON" is written in a bold, yellow, sans-serif font with a black outline, curving along the top of the globe. The background of the globe is light blue, and the bottom of the globe is a dark grey silhouette of a city skyline.

**2025  
DYNAMICS  
CON**

Mass Apply Receivables

Mass Apply Payables

InvestmentAssets

Vendor Price Lists