Minisoft eDIRECT PLUS

Version 10.0

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 Upon MINISOFT's receipt from the Customer of the one-time license fee and further subject to the other terms and conditions herein, MINISOFT grants the Customer a non-exclusive and non-transferable perpetual license: (a) to install and use the Product on only one host computer or business server in the Customer's business organization; and (b) to install the client portion of the Product on a network server for access by more than one personal computer and on any personal computer client accessing the host server program.

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B. Termination

The license grants made hereunder shall automatically terminate on the date of any breach by the Customer of any of the terms and conditions of this Agreement. In any such termination, you shall discontinue using the Product. You further agree to return the Product to MINISOFT or destroy all components of the Product and to certify in writing that the Product is no longer in use and that you have kept no copies of the Product. In any such termination of the license grants, none of MINISOFT's rights in law or equity shall be barred, discharged, released, or otherwise impaired by such termination, and MINISOFT reserves all such rights described herein. C. Confidential Information

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D. Limited Warranties and Limitations on Damages and Remedies.

1. Only the limited warranties expressly described in this section are made to the Customer purchasing this Product. No warranty of any kind, whether express or implied, is made to any third-party or other transferee or successor of the Customer.

2. MINISOFT warrants that it has the right to grant the licenses contained in this Agreement.

3. MINISOFT warrants that this product will execute its programming instructions when properly installed on a properly configured computer for which it is intended. MINISOFT makes no warranty of any kind, implied or express, that the Product will meet Customer's requirements or that the Product will be uninterrupted or error-free 4. MINISOFT, Inc. warrants the media upon which this Product is recorded to be free from defects in materials and workmanship under normal use for a period of 90 days from the date of purchase. During the warranty period MINISOFT will replace media that prove to be defective. Customer's exclusive remedy for any media that proves to be defective shall be to return the media to MINISOFT for replacement.

5. MINISOFT' only obligation, liability and/or remedy, with respect to the warranties set forth in this Agreement shall be one of the following, which MINISOFT shall have sole discretion to choose: (1) as described above, to provide replacement media (whether in the form of the current release or otherwise) for the Product; (2) to

replace, without charge, the Product with a functionally equivalent software product; or (3) to refund the applicable license fees paid to MINISOFT by Customer. These are the sole and exclusive remedies for any breach of warranty.

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A customer that has purchased annual support entitles them to any and all software updates for their licensed product(s) as well as technical support via phone and email. Software Updates are available from our web site, www.minisoft.com. Included with the purchase of support is the use of our Toll Free 800 number, and support email. Days and Hours of support coverage are Monday through Friday 7:30am (Pacific) until 5:00pm (Pacific). When support is purchased or renewed, an update may be downloaded from the Minisoft Website. In cases where support has expired, back-support is charged to bring the support account current. Any supplemental software of provided to you as part of the Support Services shall be considered part of the SOFTWARE PRODUCT and subject to the terms and conditions of this License Agreement.

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1. Governing Law. This Agreement is made for the sole benefit of the parties hereto, and there are no third party beneficiaries to this Agreement. This Agreement shall be interpreted under the laws of the State of Washington, notwithstanding the application of any jurisdiction's choice-of-law rules to the contrary.

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4. Entire Agreement. This Agreement contains the complete understanding between the parties and shall as of the date the Product is first installed supersede all other agreements, whether they are written or oral, between the parties concerning the particular subject matter. The language of this Agreement shall for all purposes be construed as a whole, according to its fair meaning, not strictly for or against either party, and without regard to the identity or status of any person who drafted all or any part of it. No purchase order or any other purchasing instruments issued by Customer, even if such purchase order or other purchasing instrument provides that it takes precedence over any other agreement between the parties, shall be effective to contradict, modify, delete from or add to the terms of this agreement in any manner whatsoever.

5. Severability. In the event that any one or more provisions of this Agreement is found by a court of competent jurisdiction to be unenforceable or invalid, then notwithstanding any such finding the remainder of this Agreement shall remain in full force and effect, and such provision that is found to be unenforceable or invalid shall be deemed severed.

6. Waiver. Neither party's right to require performance of the other party's obligations hereunder shall be affected by any previous waiver, forbearance, or course of dealing, nor shall any waiver or forbearance or other course of dealing at any time with respect to any term or condition in this Agreement be effective unless evidenced in writing signed by the waiving party as to such waiver, forbearance or other course of dealing. No waiver or modification of this Agreement or any covenant, condition or limitation herein contained shall be valid and no evidence of waiver or modification shall be offered or received in evidence in any proceeding, arbitration or litigation between the parties hereto arising out of or affecting this Agreement or the rights or obligations of the parties hereunder, unless such waiver or modification is in writing duly signed by both parties.

7. Headings, Sections - The various headings in this Agreement are inserted for convenience only and shall not affect the meaning or interpretation of this Agreement or any Section or provision hereof.

8. Disputes; jurisdiction and venue. Customer and MINISOFT consent to personal jurisdiction, subject matter jurisdiction, and venue in the state and/or federal courts sitting in King or Snohomish Counties, State of Washington. Any action relating to this Agreement must be brought in the state or federal courts located in King or Snohomish County, Washington.

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eDIRECT

Introduction to eDIRECT

eDIRECT is a processing module of eFORMz that allows you to output your merged reports to multiple destinations or output types simultaneously, including:

- Print (Print File)
- E-Mail
- Fax
- HTML Email output (eDIRECT PLUS)
- Database (eDIRECT PLUS)
- Archive (eDIRECT PLUS)
- SMS (eDIRECT PLUS)

NOTE: In the Demo version of eFORMz, eDIRECT PLUS is automatically enabled. However, once the product is licensed, the eDIRECT PLUS tab will only display if it has been purchased.

Each output type is symbolized by one of the following icons:

Print (Print File)

Output is directed to a printer or as a file to a specified directory. Print file output types include pdf, efd, pcl, text, and html.

🖂 E-Mail

Output is directed to an email server with the ability to attach pdf, efd, pcl, text, or html file output.

Fax

Output is directed to a fax server which faxes your output to the specified fax number.

eFORMz will automatically create a Print File, E-Mail or Fax destination folder in the base directory that the process is executed from for user manageability.

Each output type can contain single or multiple conditions:

Conditions

Defines a condition.

Each output type has multiple elements that are defined with the following symbols:

Print Element

Element that signifies output to a specific printer device.

🕤 🦳 Generated Element

Element that contains generated content. The type of content is shown after the element name.

11 Constant Element

Element that has a constant value. The type of content is shown after the element name.

itachment Element 😸

Element that signifies an attachment. The type of content being attached is shown below the element name.

-

Database Lookup Element

Element that reads from a database. The method used to lookup the element in the database is shown after the element name.

Quick Start E-Mail

The following example will familiarize you with eDIRECT and demonstrate how to easily send merged output to a specified e-mail address using eDIRECT.

Once eFORMz has been installed on your PC start the eFORMz Composer:

- 1. From your Start Menu select *Programs* > *eFORMz* 9 > *eFORMz* Composer:
- 2. The eFORMz Composer window will display.
- 3. From the File Menu select *File > Open Project*.
- 4. Open the sampstm1.efz project file located in the C:\Minisoft\eFORMz_6\Projects\ eDirect\Sample1 folder:

A Minisoft eFORMz Composer (8.03.08), Licensed to Minisoft, eDI	RECT PLUS Enabled
File Project Run HostTools Window Help	
🗁 Open Project.	
🖞 New Project	
Save Project	
🖏 Save Project As	
📸 System Properties	
C:Winisoft\eFORMz_6\Projects\sample\sampstm.efz	
C:Winisoft/eFORMz_6\Projects\eDirect\Sample3\sampstm3.	dz.
C:WinisoftleFORMz_6\Projects\eDirect@ample2\sampstm2.0	dz.
C:/Minisoft/eFORMz_6/Projects/eDirect/Sample1/sampstm1.	vtz.
Exit	
Project_collect_PLUS	Look jr. Sample1

5. The sampstm1.efz project will appear in the Form and Data Viewer.

A Minisoft eFORMz Composer (8.03.08), Licensed to	Minisoft, eDIRECT PLUS Enabled	×
File Project Run Host Tools Window Help	3	
Project 🛛 🖄	Viewer	d. X
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6. Switch to the eDIRECT (or eDIRECT PLUS) tab.

Configuring the E-Mail Output Destination

For our quick start example we will be sending all merged output as an email with a PDF file attachment.

1. *Right click* in the Project window, highlight *Add Output* and select *E-Mail*.



2. *Right click* the *E-Mail* icon and choose the *Add attachment* option.

Project	ď	X
eDIRECT	PLUS	
E-Mai	I Active	
	Add provider	
	Add body	
	Add attachment	
	Add delivery action	
	Add AND Condition 🕨	
	I Group output	
	Remove	
	·	
•		-
Project	eDIRECT PLUS	

Generated	d Content			×
Format	File			
Format	PDF		-	Options
	Text HTML PDF eFORMz Doc Color PCL PCL XML Zebra XML	ument		
Edit	condition	<u>о</u> к		<u>C</u> ancel

3. Select *PDF* from the *Format* drop-down menu.

Options available:

Text

Attachment will be in text file format.

HTML

Attachment will be in HTML format.

PDF

Attachment will be in PDF format.

eFORMz Document

Attachment will be in an eFORMz Document format.

Color PCL

Attachment will be in PCL file format (color).

PCL

Attachment will be in PCL file format (B/W).

XML

Attachment will be in XML format.

Zebra XML

Attachment will be in Zebra XML format.

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TIFF

Attachment will be in TIFF format.

PNG

Attachment will be in PNG format.

JPEG

Attachment will be in JPEG format.

GIF

Attachment will be in GIF format.

BMP

Attachment will be in BMP format.

AFP

Attachment will be in AFP format.

Postcript

Attachment will be in Postcript format.

ZPLII

Attachment will be in ZPL format.

NONE

No attachment will be included in the email.

4. Switch to the File tab. Enter a value in the *File name* field or select a *Variable*.

Generated Conter	nt			×
Format File				
File name				
	Cor	nstant	🔾 Variabl	e
Statements				
🗌 Create un	ique file	name		
Header				
	Cor	nstant	O Variabl	e
Setup				
	Cor	nstant	O Variabl	e
Trailer				
	Cor	nstant	O Variabl	e
Edit conditio	n		<u>о</u> к	<u>C</u> ancel



5. *Right click* the *E-Mail* and select *Add provider > JavaMail*.

6. The Envelope tab of the JavaMail dialog box will display.

JavaMail			×
Envelope	SMTP Options		
SMTP Host			
	Constant	🔾 Variab	le
<u> </u>			
From			
	Constant	🔾 Variab	le
То		~ · · · ·	
	Constant	 Variab 	le
	Constant	O Variab	le
BCC			
	Constant	🔾 Variab	le
Subject			
	Constant	🔾 Variab	le
		ĸ	Cancel
		IX .	Gancer

Element Options:

SMTP Host

IP address or name of the email server that will be used to send the generated emails. By default this is a constant element. Port # can be included by adding a colon (hosting.companyname.com:2525) as the separator.

From

An email address that designates who the email is from. By default this is a constant element.

То

An email address that designates the recipient of the email. This can be a constant, bound, or database tag reference.

TIP:	Multiple email addresses can be separated by a semicolon (;),
	making sure a space separates the semicolon and the following
	email address. For example:

JohnDoe@minisoft.com; JaneDoe@minisoft.com

СС

An email address for CC recipients. Multiple email addresses can be separated by a semicolon (;).

всс

An email address for BCC recipients. Multiple email addresses can be separated by a semicolon (;).

Subject

The subject of the email. By default this is a constant element.

SMTP Options For SMTP host authentication.

avaMail Envelope	SMTP Options			×
User	Constant	🔾 Variat	le	_
-Password-	Constant	🔾 Variat	le	_
-Importance-				
O High				
Sensitivity]			
None				
O Personal				
O Private				
Confident	tial			
Read rece	ipt requested			
Delivery st	atus notice regi	lested		
Full deliver	ry status notice	requested		
		к	<u>C</u> ancel	

NOTE: If real client and user email information is used, they will receive an email when the eDIRECT process is run. We suggest using your own email server and email address for testing purposes only.

7. When complete click OK.

8. *Right click* the *Content: (PDF)* element and select *Add Form(s)*.



9. Choose the form that will be sent as a PDF attachment.

Select form(s)			x
Forms			
sample_state	ment		
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	<u>0</u> K	Cano	cel

Run the eDIRECT Process

1. From the eFORMz Main Menu, select *Run > Process w/eDIRECT*.



2. Check your email account.

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Fax

In this quick start example, we will be using eDIRECT to output all merged data and forms to a particular fax number. To send all merged output to a fax machine you will need a fax server. After setting up the fax server, note the configured header information, for example:

@@Number 123-456-7890@@

123-456-7890 is the number of the fax machine you would like to send your output to.

Note: Header information may vary between different fax servers.

The header information will be outputted by eDIRECT and directed to the fax server which will process the header information to send the merged output to the correct fax machine. To specify the header information in eDIRECT, follow these instructions:

- 1. From the eFORMz Composer window select the File menu > Open Project.
- 2. Open the sampstm1.efz project file located in the C:\Minisoft\eFORMz_6\Projects\ eDirect\Sample1 folder.
- 3. The sampstm1.efz project file appears in the Form and Data Viewer. Switch to the eDIRECT (or eDIRECT PLUS) tab.



4. *Right click* in the Project window, highlight *Add Output* and select *Fax*.



5. *Right click* the *Fax* output destination and select *Add job > to Printer*.

Projec	t	i (1	\boxtimes
eDIREC	CTPLUS	_	1
	✓ Active		
	Add job 🕨	to File	
	Add AND Condition >	to Printer.	
	Group output		
	Remove		
•		•	-
Project	eDIRECT PLUS		

Job Options:

to File

Acts as an input directory, putting all of the output files in a directory that is monitored by the fax server and then sent to the specified fax number accordingly. For more information, go to the *Directing Output to a Fax Server* section.

to Printer

Sends the output to the printer queue monitored by your fax server.

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6. The Print Output dialog box will display. To define the printer queue monitored by your fax server, select the browse button from the *Printer* field.

Print Output
Printer
Job name
Printer
Format Port Image Color PCL Postscript Zebra XML AFPDS
Copies Constant Variable
eader Constant O Variable
Setup
Trailer © Constant O Variable
Edit condition OK Cancel

7. Choose the *Fax* option.

Select Printer		×
Printer Fax		•
	<u>0</u> K	<u>C</u> ancel

Print Output
Printer
Job name © Constant O Variable
Printer © Constant Variable Fax
Format PCL Image Color PCL Postscript Zebra XML AFPDS Copies Constant Variable
Header © Constant O Variable
Setup Constant Variable
Trailer Ornstant Variable
Edit condition QK Cancel

8. Enter the fax server header information in the *Header* field.

For example:

@@Number 123-456-7890@@

Note: Header information may vary between different fax servers.

9. Click OK.

10. *Right click* the *Print to:* element of the *Fax* output destination and select *Add Form(s).*

Project	Ø	X
😒 eDIREC 🕂 🗐 Fax	T PLUS	-
	Edit	
	I Active	
	Add Form(s)	
	Add AND Condition 🕨	
	Remove	
4		-
Project	eDIRECT PLUS	

11. Choose the form and click OK.

Select form(s)	×
Forms]
sample_statement	
<u>O</u> K	<u>C</u> ancel

Run the eDIRECT Process

1. From the eFORMz Composer select *Run > Process w/eDIRECT*:



2. To redirect Fax output to a specific folder or fax queue, see *Chapter 9: Print Automation > LocalToolkit*.

Variable Reference

E-Mail

The following example will demonstrate how to take a tagged email address from the original data file and using eDIRECT distribute the email to the specified recipients:

- 1. Start the eFORMz Composer.
- 2. From the File menu select *File > Open Project*.
- 3. The Open dialog box appears. Select the *sampstm2.efz* project file from the C:\ *Minisoft**eFORMz_6**Projects**eDirect**Sample2*\ directory.
- 4. Another dialog box will appear allowing you to select the associated data file (stmdata2.dat).
- 5. The sampstm2.efz project file displays.



6. From the Project window select the *Replace* function located under the *emailtag* variable.



7. Using your mouse, *right click* and select *Edit*.

8. From the Replace dialog box enter your email address with the one indicated in the Constant field ("youraddress@companyname.com"):

Replace	×
Replace all occurances of:	O Voriable
johndoe@minisoft.com	Vanable
with:	
Constant	 Variable
youraddress@company.com	n
<u><u>o</u>k</u>	<u>C</u> ancel

Once complete click *OK*. Your email address will appear in the Form and Data Viewer.

9. From the Project window, switch to the eDIRECT (or eDIRECT PLUS) tab.

Configuring the Output Destination

In the following example, all merged output will be sent as an email attachment to the specified email address contained in the data file. If a page does not contain an email address, as do pages 3 and 4, eDIRECT will simply skip these pages for emailing and create a PDF file for later use.

1. *Right click* in the Project window and select *Add Output > E-Mail*.

Project		Ø	\boxtimes
Add Output 🕨	E-Mail		
	SMS		
	Print		
	Fax		
	Database		
	Archive		
		1	
			Ţ
•		•	
Project eDIRE	CT PLUS		

2. *Right click* the *E-Mail* icon and choose the *Add attachment* option.

Project		്മ്	X
eDIRECT	PLUS		
	☑ Active		
	Add provider		
	Add body		
	Add attachment		
	Add delivery action 🕨		
	Add AND Condition >		
	I Group output		
	Remove		
4		•	-
Project	eDIRECT PLUS		

Generated Content				
Format File				
Format PDF		✓ Options		
Text HTML PDF eFORMz Doc Color PCL PCL XML Zebra XML	ument .			
Edit condition	<u>о</u> к	<u>C</u> ancel		

3. Select *PDF* from the *Format* drop-down menu.

4. *Right click* the *E-Mail* and select *Add provider > JavaMail*.



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5. The Envelope tab of the JavaMail dialog box will display. In the *To* field, select the *Variable* radio button and pick the *emailtag* variable from the drop-down menu.

JavaMail	×
Envelope SMTP Options	
SMTP Host	
🖲 Constant 🤇	Variable
From	
🖲 Constant 🤇	Variable
-То	
🔾 Constant 🧕	Variable
emailtag	-
sample_statement variab	les
emailtag	
FaxTag	
BCC	
0.000 (Contract (C	Masiahla
Constant	variable
Subject	
Constant	Variable
e constant c	
<u> </u>	
<u>0</u> K	Cancel

- 6. Configure your email server IP address, sender (From), subject, and body. If CC and BCC are needed configure these also. Click *OK*.
- 7. *Right click* the *Content: (PDF)* element and select *Add Form(s)*.

Project	D	X
 content content content content content content content content 	ents ent. (PDF) Edit Adtive Add Form(s) Add AND Condition Remove	
•		•
Project eDIRE	CT PLUS	

8. Select the form to be sent as a PDF attachment.

Select form(s)	×
Forms	
sample_statement	
<u>O</u> K	<u>C</u> ancel

9. To ensure that only the output with an email address is sent as an attachment, *right click E-Mail* and select *Add AND Condition > Is not equal to*.



10. Select 'nth' occurrence of variable *emailtag is not equal to* an empty value. If the *emailtag* variable has no email address value, then an email attachment will not be sent. If the email address is contained in the data file, an email will be sent as an attached PDF file. Click OK.

Data Conditio	on X			
	nth 💌 occurrence			
of variable	emailtag 🗨			
	Is not equal to 💌			
	Constant O Variable			
Compa	Compare as Numeric			

11. Add a print file process to create PDF files of pages that do not contain an email address. *Right click* in the Project window and select *Add Output > Print*.

	Project	o d	3
2	eDIRECT PLUS	^	-
<u>۹</u>	☑ Active		
	Add Output	E-Mail	
	Remove	SMS	
	Process w/eDIRECT PLUS	Print	
	🕈 U Content: (PDF)	Fax	
	🗆 🖪 sample_statemen	Database	
		Archive	
-			•
Pr	oject eDIRECT PLUS		



12. *Right click* the *Print* icon and select *Add job > to File*.

13. From the *Format* list, select *PDF*.

Generated Format	Content File	-	×
Format	PDF Text HTML PDF eFORMz Docu Color PCL PCL XML Zebra XML	ment	Options
Edito	condition	<u>о</u> к	<u>C</u> ancel

- ø 🛛 Project eDIRECT PLUS 🔶 🖂 E-Mail 두 🗵 Conditions 🛉 🔳 Condition Group 🗆 🗉 emailtag Is not equal to "" 🖐 JavaMail 🛉 🍜 Attachments - Ontent: (PDF) sample_statement 🛉 🚔 Print Content: (PDF) Edit... • Active Add Form(s). Add AND Condition... > Remove * • Project eDIRECT PLUS
- 14. *Right click* the *Content: (PDF)* and choose the *Add Form(s)* option.

15. Pick the form and click OK.




16. *Right click Print* and select *Add AND Condition > Is equal to*.

17. Select 'nth' occurrence of variable *emailtag is equal to* an empty value. If the *emailtag* variable has no email address value, then a PDF file will be generated. Click OK.

Data Conditio	on X		
	nth 💌 occurrence		
of variable	emailtag 🗨		
	Is equal to 💌		
	Constant O Variable		
Compa	ire as Numeric		

Run the eDIRECT Process

1. From the eFORMz Composer select *Run > Process w/eDIRECT*.



Fax

The following example will demonstrate how to take a tagged fax number from a data file and using eDIRECT, direct the merged output to a fax server:

- 1. From the eFORMz Composer select the *File* menu > *Open Project*.
- 2. The Open dialog box appears. Select the sampstm2.efz project file from the C:\ Minisoft\eFORMz_6\Projects\eDirect\Sample2\ directory.
- 3. If a data file has not already been selected the Data File dialog box will display. Select the data file pertaining to the project file, in this case *stmdata2.dat*.
- 4. The sampstm2.efz project file will display in the Project window.



5. A variable tag has been added to the project file tagging the fax number. To change the fax number, *right click FaxTag* and select *Add Function > Replace*.

6. The Replace dialog box displays. In the *Replace all occurrence of > Constant* field enter the fax number displayed in the data file (360-111-111).

Enter the number you would like to replace the existing fax number with (*with:* > *constant* field).

F	Replace
	Replace all occurances of:
	Constant O Variable
	360-111-1111
	with:
	Constant O Variable
	394-832-0394
	<u>Q</u> K <u>C</u> ancel

Once complete click OK.

- 7. From the Project window, *right click FaxTag* and select *Edit*.
- 8. The Variable dialog box displays. Uncheck *Copy original data to output*.

Variable	×
Name FaxTag	
Horizontal position 784.2	Vertical position 1396.8
# of characters 12	Height 0.0 *
	* 0 = Form line height
Repeat 1 time(s)	Increment line by 1
Copy original data to output	✓ Include variable in XML output
Use as a bookmark in PDF ou	utput
	<u>O</u> K <u>C</u> ancel

Once complete, click OK.

- 9. The fax number will disappear from the Form and Data output window. To apply the new fax number to the Form and Data output create a new rule.
- 10. *Right click FaxTag* and select *Add Rule > PlaceText*.

11. The Rule Properties dialog box displays. Enter a new rule name and click OK.

Rule Properties		×		
Name faxnumb	ber			
Use variable FaxTag				
✓ Execute on all copies				
Edit condition OK Cancel				

12. The Place Text dialog box displays. Keep the existing horizontal and vertical positioning and click *OK*.

Place Text Action			
Position			
Horizontal position 784.2 Text Color			
Vertical position 1483.2			
Horizontal Alignment Vertical Alignment			
Rotation 0			
None Right Width: 0.0			
O Left O Center			
Wordwrap			
Enable wordwrap			
Line Width 0.0 Line Spacing* 0.0			
Suppress blank lines			
Repeat Interval Spacing [*] 0.0 *0=Use Form's lines per inch			
Conditional vertical increment			
Change font <u>OK</u> <u>C</u> ancel			



13. The new fax number appears in the Form and Data Viewer.

eDIRECT Tab

For our example we will be sending all merged output to a specified fax number contained in the data file. If using real data, the fax number could vary from page to page. To allow eFORMz to send the merged output to the different fax devices do the following:

1. Right click the form (sample_statement) and select Add Variable > By position.



2. Enter a name and click OK.

Variable	×
Name FaxHeader	
Horizontal position 0.0	Vertical position 0.0
# of characters 0	Height 0.0 *
	* 0 = Form line height
Repeat 1 time(s)	Increment line by 1
Copy original data to output	Include variable in XML output
Use as a bookmark in PDF of	utput
	<u>O</u> K <u>C</u> ancel

Project		🗹 🛛 📔 Viewer		
Sampstm2 Sample Statement Sample Statement Sample_statement Sample_stat		minis 111" v Wiew V Sopen Data Q Q 120 dpi H H Sample 0000 Fi Snohomi PH. 800		
	Add Function 🔸	Concatenate)	
L0	Add Procedure •	Insert string		
	Add Rule	Set value	Ċ	
	Rename	Substring		
	Remove	Replace		
		Right trim		
		Left trim		
		Uppercase		
Project	105	Lowercase		
🔲 Variables		Table Lookup		
Variable Value		SQL Lookup		
emailtag youraddress@comp		Does file exist		
FaxTag 394-832-0394		eVS Barcode Data Generator		
		SmartLabel Barcode Data Generator		
		Bulk Concatenate		
			۰Þ	

3. *Right click* the *FaxHeader* variable and select *Add Function* > *Set Value*.

4. Enter your fax header information, for example:

@@Number

Note: Leave a space for where the fax number will normally appear.

Set Value	×
Value:	
Constant	
@@Number	
O Variable	
sample_statement variables	-
O Image from Project	
Image	-
O Image from File	
File Name	
<u></u> K	<u>C</u> ancel

Project		d' 🛛	Viewer	
sampstm2 Sample Statement f	ent ace "johndoe@mi ace "360-111-111 Edit	niso 1" wi	View - Open Data Q Q 120 dpi H H H Sample C 0000 Fin Snohomis PH 800-	
P-⊞ Rules	Add Function	Concater	nate	
- 🖾 faxnumb	Add Procedure •	Insert str	ing 🤅	
⊂ <i>O</i> Pla	Add Rule	Set value)	
	Rename	Substring	g	
	Remove	Replace.		
		Right trin	n	
		Left trim	5	
		Upperca	se	
Project eDIRECT PLU	IS	Lowercase		
		Table Lookup		
		SQL Lookup		
Variable emailtag	Value	Does file exist		
FaxTag 394-832	-0394	eVS Barcode Data Generator		
FaxHeader 00Numbe	r	SmartLabel Barcode Data Generator		
		Bulk Con	icatenate	

5. *Right click FaxHeader* and select *Add Function > Concatenate*.

6. Choose the *FaxTag* variable from the *Variable* drop-down menu.

Concatenate			×	-
Add:				
	 Constant 	Varia	ible	
FaxTag				-
Append	d newline			
	<u>о</u> к		<u>C</u> ancel	

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Project		🖉 🗹 🖂	Viewer
sampstm2 ③ Sample Statemer • ④ sample_state • ⑧ Variables • ※ emailta • ※ FaxTag • ※ FaxTag • ※ FaxTag • ※ FaxTea • ※ FaxTea	nt ment g place "johndoe@ place "360-111-1 der Edit	minisof" 111" with hber "	View View Open Data
ー 団 Co	Add Function	Concatenate	e
∳-∭ faxnur ∳- @ Ad	Add Procedure > Add Rule > Rename Remove	Insert string. Set value Substring Replace	
Project eDIREC	r PLUS	Right trim Left trim Uppercase Lowercase	r
Variables		Table Lookup SQL Lookup Does file exist	
FaxTag 394-832-0394 FaxHeader 0010000000000000000000000000000000000		eVS Barcode Data Generator SmartLabel Barcode Data Generator	
		Bulk Concat	

7. *Right click* the *FaxTag* variable and select *Add Function* > *Concatenate*.

8. Enter the remainder of the fax header. Click OK. The *FaxHeader* will now contain the following: @@Number <FaxTag>@@.

Concatenate			×
Add:			
	Constant	🔾 Vari	able
00			
Append	newline		
	<u>0</u> K		<u>C</u> ancel

9. From the Project window switch to the eDIRECT (or eDIRECT PLUS) tab.

Project		 \boxtimes
Add Output 🕨	E-Mail	
	SMS	
	Print	
	Fax	
	Database	
	Archive	
4		 •

10. *Right click* in the Project window and select *Add Output > Fax.*

11. *Right click* the *Fax* output destination and select *Add job > to Printer*.

📋 Proj	ect		X
eDIR	ECT PLUS ax		-
	☑ Active		
	Add job 🕨 🕨	to File	
	Add AND Condition >	to Printer	
	Group output		
	Remove		
		-	
			-
4		•	
Projec	t eDIRECT PLUS		

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12. In the *Printer* field, add the fax server print queue. In the *Header* field, select the *FaxHeader* variable from the drop-down menu.

Print Output		×
Printer		
Job name © Constant	🔾 Variable	
Printer © Constant Fax	O Variable	✔
Format PCL Image Color PCL Postscript Zebra XML AFPDS		
Copies © Constant	🔾 Variable	
Header Constant	Variable	
Setup © Constant	O Variable	
Trailer © Constant	O Variable	
Edit condition	<u>о</u> к	<u>C</u> ancel

13. *Right click Print to:* and select *Add Form(s)*.

Project		ľΣ
eDIRECT PL		-
	Edit	
	I Active	
	Add Form(s)	
	Add AND Condition >	
	Remove	
		Ţ
•		
Project eDI	RECT PLUS	

14. Pick the appropriate form. Click OK.

Forms
sample_statement
<u>O</u> K <u>C</u> ancel

The Fax output destination now references the fully qualified Fax header, which references back to the fax tag placed within the project file. In this way, if a data file contains multiple fax numbers, merged output will be directed to the corresponding fax number.

Run the eDIRECT Process

1. From the eFORMz Composer select *Run > Process w/eDIRECT*:



To redirect fax output to a specific folder monitored by your fax server, instead of *Add job > to Printer*, the user would select *Add job > to File* (See Step 11). See *Chapter 9: Print Automation > Local Toolkit* for more details.

Directing Output to a Fax Server

When Fax output is specified in eDIRECT, eFORMz simply creates a merged print file (.prn) containing the fax header information in record 1 of the merged output. This header information is necessary for processing by a fax server. The merged print file is created in a subfolder (\fax) under the output directory which automatically gets created if one does not already exist.

There are two options available for processing the merged print file to a fax server:

- 1. If the fax server software can be configured to monitor a folder for the eFORMz merged print file, you can either have the fax server software monitor the output directory containing the subfolder for the fax output from eFORMz or using an 'external' command redirect the output to a folder on the fax server using a MOVE command.
- The other option is to instruct eFORMz to 'PRINT' the merged print file to the fax print queue. To do so, add a Print File post process command after the Process with eDIRECT entry. The Source Directory will be \fax folder and the File Selection field refers to the print files generated during the merge process. Please note that wildcard entries are permitted.

Print Files	×	
Source Directory	C:\Minisoft\eFORMz_6\Output\Fax	
File Selection	*.pm	
Printer	ActiveFax	
	OK Cancel	

TIP: It is recommended to delete, rename, or move these files using a *post process command* after they have been processed by your fax server otherwise they will be transmitted over again.

Advanced eDIRECT Features

- Sorting
- Attach Name Option
- SMTP Options
- PDF Encryption
- PDF Viewing
- Creating Dynamic Subfolders
- File Header and Trailer Options

Sorting

Variable Group - E-Mail and Faxing

When eDIRECT processes e-mail addresses or fax numbers based on a reference within a data file or database, identical e-mail addresses or fax numbers are grouped together allowing for consolidated file attachments.

If, for example, purchase orders are being processed and the same e-mail address or fax number appears consecutively but pertains to a different purchase order number, the Sort tab from the Project Properties can then be used to separate these pages by purchase order number.

1. For example, add a variable that tags the PO Number within your data file.

Minisoft eFORMz Composer (8.03.08), Licensed to N	finisoft, eDIRECT PLUS Enabled		
File Project Run HostTools Window Help			
Project 🛛 🖄	Viewer		ø' 🛛
A samppo	View 👻 🖆 Open Data		
	🔍 🔍 120 dpi 🕂 🕂 🛃 🔢 🍐 podata.d	jat ⇐ 1 🖨	7447.0:1447.0
P- ₩ Variables			_
			=
	1024 FIRST STREET		
	SNOHOMISH, WA 98290	00000-001	
			· · · · · · · · · · · · · · · · · · ·
		10	
			=
Project eDIRECT PLUS	O O	ENDENC 1	-
Variables 🛛 🖄	1024 FIRST STREET	PURCHASE ORDER NO.	11-5562 (04-04)
Vari Value	SNOHOMISH, WA 98290		
		PURCHASE O	RDER 📮
			•
			I 10.40
sample_po	🗎 sample_po		

Project		🛛 🖾 📔 Viewer
A samppo	urchase Order e_po riables PO# Edit	View View Sopen Da
	Add Function	Concatenate
	Add Procedure •	Insert string
	Add Rule	Set value
	Rename	Substring
	Remove	Replace
		Right trim
		Left trim
		Uppercase -
		Lowercase
4		Table Lookup
Project oDIE		SQL Lookup
Project eDIRECT PLUS		Does file exist
🔲 Variables		eVS Barcode Data Generator
Vari Value	•	SmartLabel Barcode Data Generator
PO# 00000-001		Bulk Concatenate

2. *Right click* the variable and select *Add Function > Insert String*.

3. Enter a constant value at the beginning of the variable data. Click OK.

Inse	rt String			×
Ins	sert: Cor	istant	🔾 Varia	able
PO	#			
At	character position	i:		
	Cor	istant	🔾 Varia	able
0				
		<u>0</u> K		<u>C</u> ancel

Project			Ø		🖹 Viev
🚔 samppo 👇 🗋 Sam	Properties	Þ	Prin	ter C	View 🗸
Υ- μ≦ s γ- μ	Display Forms and Open Data File Print	Data	Sort Not Dat	t es a Pari anceo	sing 1
	Output Process w/eDIREC	T PLUS	Ima Dat	iges abasi	es
	Add Global Variable Add AND Condition.		Arch	nives	SN
				•	· · · · ·
•					
Project	eDIRECT PLUS				'n

4. *Right click* the project and select *Properties* > *Sort*.

5. From the Sort tab, select the *New* option.

Project Properties		×
Printer Control Sort Notes Data Parsing Advance	ed Images Databases	<u> </u>
Sort keys		
	New	
	Edit	
	Remove	
	Move Up	
	Move Down	
	Change Order	
* output grouped by this key	Set Group	
	<u>O</u> K <u>C</u> ance)

6. The Sort Key will display. Choose the *By variable* option and pick the variable created earlier from the drop-down menu. Click *OK*.

Sort Key	×
O By form I By variable	
Key for sample_po PO#	•
Ascending	
	<u>O</u> K <u>C</u> ancel

7. Select the Set Group button and click OK.

oject Properties	×
Printer Control Sort Notes Data Parsing	Advanced Images Databases
Sort keys	
variable PO#;Ascending	New
	Edit
	Remove
	Move Up
	Move Down
	Change Order
* output grouped by this key	Set Group
	<u>O</u> K <u>C</u> ancel

NOTE: For more on the Sort feature, refer to the Sort section in the Project Properties portion of *Ch. 3: eFORMz Composer Menus and Project Options.*

8. Switch to the eDIRECT (or eDIRECT PLUS) tab. *Right click* in the Project window and select *Add Output > E-Mail*.

Project		Ø	\mathbf{X}
		 ,	
Add Output 🕨	E-Mail		
	SMS		
	Print		
	Fax		
	Database		
	Archive		
		•	
			-
•)	·
Project eDIF	RECT PLUS		

9. *Right click* the *E-Mail* and select *Add provider > JavaMail*.



10. Enter information for the necessary fields. For the *Subject* field, select the variable created earlier from the drop-down menu. When complete, click *OK*.

JavaMail			x
Envelope	SMTP Options		
SMTP Host	t		1
	Constant	O Variable	
From			
	Constant	 Variable 	
То			
	Constant	 Variable 	
CC			
	Constant	O Variable	
-800-			
	Constant	○ Variable	
Subject			
	 Constant 	Variable	
PO#			
PO#	e_po variables		
		ĸ	<u>C</u> ancei

11. *Right click E-Mail* and select *Add attachment*.

Project		ď	X
eDIRECT	PLUS		•
🗏 💆 Ja	☑ Active		
	Add provider		
	Add body		
	Add attachment		
	Add delivery action 🕨		
	Add AND Condition 🕨		
	Group output		
	Remove		
			-
Project	DIRECT PLUS		

Generated Content		×
Format File		
Format PDF	•	Options
Edit condition	ОК	Cancel
		Dancer

12. Choose *PDF* and switch to the File tab.

13. Select the variable created earlier for the *File name*. Click *OK*.

enerated Content			
Format File			
File name			
	 Constant 	Variable	
PO#			-
Create un	ique file name		
Header			
	Constant	O Variable	
Setup			
	Constant	⊖ Variable	
Trailer			
	Constant	O Variable	
[
Edit conditio	on	<u>0</u> K	<u>C</u> ancel

- d X Project eDIRECT PLUS . 🔶 🖂 E-Mail 💆 JavaMail - 😽 Attachments Content: (PDF) Edit... • Active Ide Add Form(s). Add AND Condition... > Remove ۹. • Project eDIRECT PLUS
- 14. *Right click Content: (PDF)* and select *Add Form(s)*.

15. Choose the appropriate form and click OK.

Select form(s)	×
Forms]
sample_po	
<u>o</u> ĸ	Cancel
	·

16. From the eFORMz Main Menu, highlight *Run* and pick the *Process w/eDIRECT* option. When the process is implemented, a file containing multiple purchase orders will be split based on the Sort key that has been set in the Project Properties.

Group Output

eDIRECT output can be set to have the output grouped (which is the current default) or not grouped. The selection is done with a check menu item on the popup menu for the output node. If checked, individual pages are consolidated into a single output file (print, email, fax).

Project	Ø	\mathbf{X}
🎭 eDIRECT	PLUS	
E-Mai	☑ Active	
	Add provider	
	Add body	
	Add attachment	
	Add delivery action	
	Add AND Condition 🕨	
	🗹 Group output	
	Remove	
		-
•		
Project	eDIRECT PLUS	

Attach Name Option

When a pdf file is created by eFORMz, by default, the project file name is attached to the corresponding pdf file. If, for example, purchase orders are being processed and they need the pdf file name to have the attached purchase order number, use the following procedure:

1. Tag the appropriate field (i.e. purchase order number) using a variable within the eFORMz Composer.



2. *Right click* the variable and select *Add Function > Insert String*.

3. Enter a constant value at the beginning of the variable data. Click OK.

Insert String			×
Insert:	Constant	🔾 Vari	able
PO#	-		
At characte	r position:		
	Constant	🔾 Vari	able
0			
	<u>о</u> к		<u>C</u> ancel

4. Switch to the eDIRECT (or eDIRECT PLUS) tab. *Right click* in the Project window and select *Add Output > E-Mail*.

Project			\boxtimes
Add Output 🕨	E-Mail		
	SMS		
	Print		
	Fax		
	Database		
	Archive		
			•
		•	
Project eDIF	RECTPLUS		

5. *Right click* the *E-Mail* and select *Add provider > JavaMail*.



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6. Enter information for the necessary fields. For the *Subject* field, select the variable created earlier from the drop-down menu. When complete, click *OK*.

JavaMail			×
Envelope	SMTP Options		
SMTP Host			
	Constant	O Variable	
From			
	Constant	 Variable 	
ГТО			
	Constant	 Variable 	
-00	Constant	O Variable	
	Constant	Valiable	
	Constant	O Variable	
Subject			
	 Constant 	Variable	
PO#			-
PO#	_po variables		
1.00	<u> </u>	К	<u>Cancer</u>

7. Right click E-Mail and select Add attachment.



Generated Content		×
Format File		
Format PDF		Options
Edit condition	<u>0</u> K	<u>C</u> ancel

8. Choose *PDF* and switch to the File tab.

9. Select the variable created earlier for the *File name*. Click *OK*.

Jenerated Content					
Format File					
File name					
	 Constant 	Variable			
PO#			-		
🗌 Create un	Create unique file name				
Header					
	Constant	⊖ Variable			
Setup					
	Constant	O Variable			
Trailer					
	Constant	O Variable			
Edit conditio	n	<u>0</u> K	<u>C</u> ancel		

- d' 🛛 Project eDIRECT PLUS * 🕈 🖂 E-Mail 💆 JavaMail 🕂 🍜 Attachments Content: (PDF) Edit... ۲ Active Ide Add Form(s). Add AND Condition... > Remove • • Project eDIRECT PLUS
- 10. *Right click Content: (PDF)* and select *Add Form(s)*.

11. Choose the appropriate form and click *OK*.

Select form(s)	X
Forms	
sample_po	
<u></u> K	<u>C</u> ancel

12. From the eFORMz Main Menu, highlight *Run* and pick the *Process w/eDIRECT* option.

SMTP Options

eFORMz allows you to enable Simple Mail Transfer Protocol (SMTP) within eDIRECT. In order for this option to function, the server used must support SMTP.

JavaMail		
Envelope SMTP Options		
User		
Constant O Variable		
Password		
Constant Variable		
Importance		
Normal		
CLow		
⊖ High		
Sensitivity		
None		
O Personal		
O Private		
Confidential		
Read receipt requested		
Delivery status notice requested		
Full delivery status notice requested		
<u>OK</u> <u>Cancel</u>		

Options include:

User and Password used if needed.

Importance sets the priority of the email. Options include normal, low, high.

Sensitivity sets the condition of the email. Options include none, personal, private, confidential.

There are three request options: *Read receipt requested*, *Delivery status notice requested* and *Full delivery status notice requested*.

PDF Encryption

Encrypt your PDF documents in one of the following ways:

- Standard 40-bit
- Standard 128-bit
- AES 128-bit (Advanced Encryption Standard)

Implementing PDF Encryption

To implement PDF Encryption from eDIRECT:

1. *Right click Content: (PDF)* and select *Edit > Format*.



2. Select *Options* and edit the available encryption options.

Generated Content		×
Format File		
Format PDF		Options
Edit condition	<u>0</u> K	<u>C</u> ancel

3. The PDF Output Options dialog box will display:

PDF Output Options				
Encryption Viewer				
Encryption Standard 128-bit				
User Password				
Constant O Variable				
•••••				
Owner Password				
Constant Variable				
•••••				
Permissions				
Allow Printing				
Allow Modify Contents Allow Assembly				
Allow Copy				
Allow Modify Annotations Allow Fill In				
<u>O</u> K <u>C</u> ancel				

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Encryption

Options include *Standard 40-bit*, *Standard 128-bit* and *AES 128-bit* encryption. Encryption is used to enforce restrictions on your document. The permissions that can be granted or restricted depend on the strength of the encryption (*40-bit* vs. *128-bit*). If you are using 40-bit encryption, every permission that has the remark 128-bit below is granted automatically. If you want to revoke these permissions, you need to use 128-bit encryption.

User Password Refers to the 'open password'.

Owner Password Refers to the 'permissions password'.

The maximum password length is 32 characters. You may enter 32 characters or more but only the first 32 characters will be taken into account. One or both of the passwords fields can be empty. If a user password is not specified, all users will be able to open the document without being prompted for a password, but the permissions and restrictions (if any) will remain in place.

For a higher level of encryption for your document, choose 128-bit key length and always set both passwords, using different strings and all 32 characters for each one. If a password you choose is shorter than 32 characters, it will be padded with default padding.

Allow Printing (*Default checked*) Printing the document.

Allow Degraded Printing

(128-bit) Printing the document, lesser quality printout than Allow Printing.

Allow Modify Contents

Modifying the contents—for example, changing page content, inserting or removing pages.

Allow Assembly

(128-bit) Inserting, removing, rotating pages and adding bookmarks are allowed. Contents of a page cannot be changed, unless *All Modify Content* is allowed.

Allow Copy

(*Default checked*) Copying or extracting text and graphics from the document, including technologies such as screen readers or other accessibility devices.

Allow Screen Readers

(128-bit) Extracting text and graphics from document using an accessibility devices.

(*Default checked*) *Allow Modify Annotations* Adding or modifying text annotations and interactive form fields.

(Default checked) Allow Fill In

(128-bit) Filling form fields; adding or modifying annotations only if *Allow Modify Annotations* is granted.

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PDF Viewing

To modify PDF viewing options for PDF documents:

1. *Right click Content: (PDF)* and select *Edit > Format*.



2. Select Options.

Generated Content		×
Format File		
Format PDF		 ✓ Options
Edit condition	<u>о</u> к	<u>C</u> ancel
Page layout	Notset	-
---------------------------	--------	---
Page mode	Notset	-
Show tool bar	Notset	•
Show menu bar	Notset	-
Show window U	Notset	-
Resize window to fit page	Notset	-
Center window	Notset	-
Display document title	Notset	-
Print scaling	Notset	-
Simplex/Duple>	Notset	•

3. The PDF Output Options dialog box will display. Switch to the Viewer tab:

Page layout

The page layout to be used when the document is opened:

Single page - Display one page at a time (default).

One column - Display the pages in one column.

Two columns, odd on the left - Display the pages in two columns, with odd-numbered pages on the left.

Two columns, odd on the right - Display the pages in two columns, with odd-numbered pages on the right.

Two pages, odd on the left - Display the pages two at a time, with odd-numbered pages on the left.

Two pages, odd on the right - Display the pages two at a time, with odd-numbered pages on the right.

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Page mode

Sets how the document should be displayed when opened:

None - Neither document outline, nor thumbnail images visible (*default*).

Show Outlines - Document outline visible.

Show Thumbnails - Thumbnail images visible.

Full screen - Full-screen mode. No menu bar, window controls, or other windows will be visible.

Show tool bar Displays (or hides) the toolbar.

Show menu bar Displays (or hides) the menu bar.

Show window UI Displays (or hides) the window user interface.

Show menu bar Displays (or hides) the menu bar.

Resize window to fit page Adjusts the window to fit the page.

Center window Centers the window.

Display document title Displays the title of the PDF document.

Print scaling The *Default* option scales the PDF to a printable area.

Simplex/Duplex Printing options include Simplex, Short Edge Duplex, and Long Edge Duplex.

Creating Dynamic Subfolders

Dynamic subfolders can be created in eDIRECT under the parent directories of Print, Fax, or E-Mail. Subfolders can be dynamically created using variables from within the project file, for example:

1. Create a variable that references a data element from within your data file:

File Project Run Host Tools Window Help	
Sampsunz View Open Data Sample Statement	
P 🗅 sample_statement	stmdata3.bt (= 1 = 762.0 : 198.0
	<u> </u>
← ¾ FaxTag	=
P sk Pakeader P sk PrinterDirectory	
- Defitim	
← ■ Rules PrinterDirectory1	
Sample Customer On	e
0000 First Street	
Snohomish, WA 982	90
	-
	Sampla S
Variables 🛛 🖉 Minisoft	Sample S
Variable Value	
FaxTag 394-832-0394 1024 First Street	
FaxHeader 00Number 394-832-0 Snohomish, WA 98290	
Sample Customer Or	ne 📃
0000 First Stroot	
	▼ 178.4 4 ≪ ≫ ≥ 30.0 II 6.250 <u>I</u> 10.10
sample_statement	

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2. Add a variable *By position*.



3. Enter a name and click OK.

1	Variable 🗾
	Name FullFileName
	Horizontal position 0.0 Vertical position 0.0
	# of characters 0 Height 0.0 *
	* 0 = Form line height
	Repeat 1 time(s) Increment line by 1
	Copy original data to output Include variable in XML output
	Use as a bookmark in PDF output
	<u>O</u> K <u>C</u> ancel

Project		X	Viewer
sampstm2 Sample Statement Sample_statement Sample_stat	ory n		View View View PrinterDin
⊶ 🕮 Rules	Edit		
	Add Function	C	oncatenate
	Add Procedure	ln	sert string
	Add Rule	Se	et value
	Rename	S	ubstring
	Remove	R	eplace
•	•	Ri	ght trim
Project eDIRECT PLUS		Le	eft trim
			ppercase
		Lo	owercase
Variable	Value	Та	able Lookup
FaxTag 394-832	-0394	s	QL Lookup
FaxHeader @@Number 394-832- Does file exist			
PrinterDirectory Printer	Directory	1 e\	/S Barcode Data Generator
FullFileName		Sr	nartLabel Barcode Data Generator
		Bu	ulk Concatenate
sample statement			B sample statement

4. *Right click* the variable and select *Add Function > Concatenate*.

5. Pick the variable created earlier that references the data element.

Concatenate	×
Add:	
🔾 Constant 🛛 🖲 Varia	able
PrinterDirectory	-
Append newline	
<u>O</u> K	<u>C</u> ancel



6. *Right click* the variable created by position and select *Add Function* > *Insert String*.

7. Insert two forward slashes (//) to the end of the variable, followed by a constant value. The forward slashes indicate that the reference appearing before them is the dynamic folder reference. The constant value after the slashes will be the file name of the output. Click *OK*.

Insert String			×
Insert:			
	Constant	O Variable	
//statement			
At characte	r position:		
	Constant	O Variable	
17			
	<u>0</u> K		<u>C</u> ancel

8. Switch to the eDIRECT (or eDIRECT PLUS) tab. *Right click* in the Project window and select *Add Output > Print*.

Project			\boxtimes
Add Output 🕨	E-Mail		
	SMS		
	Print		
	Fax		
	Database		
	Archive		
			Ţ
•		•	í l
Project eDIR	ECT PLUS		

9. *Right click Print* and select *Add job > to File*.

📄 Projec	:t	0	X
🛬 eDIRE	CT PLUS nt	-	
	☑ Active		
	Add job 🕨 🕨	to File	
	Add AND Condition >	to Printer.	
	I Group output		
	Remove		
			•
•	1		
Project	eDIRECT PLUS		

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Generated Content		×
Format File		
Format PCL	•	Options
Edit condition	<u>0</u> K	<u>C</u> ancel

10. Choose the *Format* and switch the File tab.

11. In the *File name* field, select the variable created earlier by position. Click *OK*.

Generated Content	×
Format File	1
File name	
 Constant Variable 	•
FullFileName	-
Create unique file name	
Header	
Constant O Variable)
Setup	
Constant O Variable	•
Trailer	
Constant O Variable	•
Edit condition QK	<u>C</u> ancel

- d' 🛛 Project eDIRECT PLUS . 👇 📥 Print Content: (PCL) Edit. ₽ Active Add Form(s). Add AND Condition... > Remove • Project eDIRECT PLUS
- 12. *Right click* the *Content* icon and select *Add Form(s)*.

13. Pick the form and click OK.

Select form(s)	×
Forms	
sample_statement	
<u>O</u> K	Cancel

14. From the eFORMz Main Menu, navigate to *Run* and select *Process w/eDIRECT*. Check the project directory. For this example, the Print directory should now have a new folder based on the variable reference. The new folder should also contain the specified output.

File Header and Trailer Options

Using the File Header and Trailer option, custom code can be added to file output. For example, if PJL codes for stapling need to be added to the output file enter the beginning and ending PJL codes into the File Header and Trailer fields.

Generated Content	×			
Format File				
File name				
Constant Variable				
FullFileName	-			
Create unique file name				
Header				
Constant Q Variable				
\x1b%-12345X@PJL\r\n@PJL SET STAPL	E=RIGHTTO			
Setup				
Constant O Variable				
Trailer				
Constant O Variable				
x1b%-12345X				
Edit condition <u>O</u> K	<u>C</u> ancel			

eDIRECT+ Overview

eDIRECT+ Agent

The eDIRECT+ Agent is a service that runs on a server for email distribution and tracking. The eDIRECT+ Agent Service (communications, maintenance, monitoring, and control) is composed of three functional units and a database:

- SMTP Send (Outbound Mail Transfer Agent)
- SMTP Receive (Inbound Mail Transfer Agent)
- SMTP Monitor (Relay agent for enhancement and tagging)
- Mail Database (Persistent storage area)



SMTP Send

The SMTP Send Service is used to transmit and track eFORMz/eDIRECT+ email messages to the appropriate destination. It periodically checks the message queue for messages to be acted upon. It will pass the message to a thread that sends the message.

SMTP Receive

The SMTP Receive Service listens for incoming SMTP messages. It will receive Delivery Status Notification (DSN) replies from messages that have been sent. It also supports the Response Tracking module inside eDIRECT+.

SMTP Monitor

The SMTP Monitor Service is used to capture outgoing email messages for enhancement by an eFORMz project. It receives messages on an arbitrary port and then copies that data to a new file.

Mail Database

The Mail Database is a JDBC accessible database that stores messages. Scripts are provided for both SQL Server and MySQL.

eDIRECT+ Agent Configuration

The eDIRECT+ Agent Configuration Application arranges the initial settings of the eDIRECT+ Agent service. To configure the eDIRECT+ Agent Configuration:

1. Run the eDIRECT+ Agent Configuration application:

C:\Minisoft\eFORMz_6\eDP_AgentConfig.exe

2. Once open, the eDIRECT+ Agent Configuration dialog box will display. Click OK to proceed.



3. The default username is '*minisoft*' and the default password is '*password*' though both properties can be changed. To customize the values, set the Registered User entry key and the Registered Password entry key from the Configure Authentication menu option.

minisoft	
•••••	
Authenticate Exit	
	minisoft Authenticate Exit

Global Configuration

The Global Configuration sets whether the SMTP Monitor, SMTP Send and the SMTP Receive services will commence when the eDIRECT+ Agent is started.

1. From the eDIRECT+ Agent Configuration Menu, select the Global Configuration option.

B eDIRECT PLUS Agent Configuration	
Global Configuration	
SMTP Monitor Configuration	
SMTP Send Configuration	
SMTP Receive Configuration	
Mail Database Connection Configuration	
Mail Database Maintenance Configuration	
User Access Configuration	
Configure Authentication	
Configure Logging	
Save Configuration	

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- eDIRECT PLUS Agent Configuration

 Start SMTP Receive Server

 Start SMTP Send Server

 Start SMTP Monitor

 OK Cancel
- 2. The Global Configuration dialog box will display.

Options:

Start SMTP Receive Server

When checked, this will listen for incoming email messages when the eDIRECT+ agent starts. (Inbound Mail Transfer Agent)

Start SMTP Send Server

When checked, this will monitor for queued messages when the eDIRECT+ agent starts. (Outbound Mail Transfer Agent)

Start SMTP Monitor

When checked, this will start the SMTP Monitor when the eDIRECT+ agent starts. (Relay agent for enhancement and tagging)

SMTP Monitor Configuration

The SMTP Monitor is used to capture outgoing email messages for enhancement by an eFORMz project. It receives messages on an arbitrary port and then copies that data to a new file.

1. From the eDIRECT+ Agent Configuration Menu, select Global Configuration option.

S eDIRECT PLUS Agent Configuration	
Global Configuration	
SMTP Monitor Configuration	
SMTP Send Configuration	
SMTP Receive Configuration	
Mail Database Connection Configuration	
Mail Database Maintenance Configuration	
User Access Configuration	
Configure Authentication	
Configure Logging	
Save Configuration	
Exit	

2. Set the SMTP Monitor to start by checking the Start SMTP Monitor option. Click OK to return to the eDIRECT+ Agent Configuration Menu.

🛓 eDIRECT PLUS Agent Con	figuration		
Startup options:	Start SMTP Receive Server		
		ок	Cancel

3. Next, select the SMTP Monitor Configuration option.

eDIRECT PLUS Agent Configuration	
Global Configuration	
SMTP Monitor Configuration	
SMTP Send Configuration	
SMTP Receive Configuration	
Mail Database Connection Configuration	
Mail Database Maintenance Configuration	
User Access Configuration	
Web Server Configuration	
Save Configuration	
Exit	

- 4. The SMTP Monitor Ports dialog box will display. Select Add to add a new port.
- 5. The SMTP Monitor Port Configuration dialog box will display.

SMTP Monitor Port Configu	ration	
	V Active	
Name	default	
SMTP Port	25	
SMTP Bind Address		
Mail domain	localhost	
Data Directory	C:\/Minisoft\eFORMz_6	
Max threads	10	
Min threads	5	
Smart Host	25	
Match Strings		
	Кеер Сору	
Delete	OK Cancel	

Options:

Active

Activates or deactivates the settings. Default is checked.

Name

The name given to the configuration.

SMTP Port

The SMTP Port is associated with the IP address of the host and the Simple Mail Transfer Protocol used for communication.

SMTP Bind Address

The IP address on the server used for listening. The SMTP Monitor will listen on all available ports if no value is entered. This parameter is important on systems that use another mail server also listening on the configured port.

Mail Domain

An arbitrary text string used to identify this system to a mail client. It is used primarily for testing.

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Data Directory

The directory into which the received mail files will be stored.

Max Threads

Limit on the number of simultaneous receives (*default 10*).

Min Threads

Smallest number of receivers started (*default 5*).

Smart Host

Address and Port number of a mail server to which messages are forwarded if they do not match on one of the (regex-based) search strings. If the Smart Host parameter is blank, all messages are kept locally.

Match Strings

Strings using regular expressions (regex) to match on for local storage. Those messages that do not match are sent to the Smart Host.

Кеер Сору

Option used to keep a local copy of messages that are sent to a Smart Host. Default is unchecked.

6. Make any necessary changes to the fields. For example, in the Match Strings field, enter a regular expression to match on certain information, such as an email subject.

eDIRECT PLUS Agent Config	juration
	V Active
Name	default
SMTP Port	25
SMTP Bind Address	
Mail domain	localhost
Data Directory	C:\Winisoft\eFORMz_6\Projects\Input\Emails
Max threads	10
Min threads	5
Smart Host	123.45.67.8 25
Match Strings	<pre>^Subject()+Dear{,:]</pre>
	Keep Copy
Delete	OK Cancel

NOTE: For help with regular expressions there are multiple resources that can be accessed online. A basic guide is provided in the Regular Expressions section of this manual. The string in this example would match the beginning of the line that contained the word 'Subject' followed by a blank space, then one or more instances of the word 'Dear' and either a comma or colon after that. So if there is a subject line with the word dear, it will be matched and stored locally. Recall that if the Smart Host parameter is blank then all of the messages are kept locally.

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7. Click OK to proceed. To save the configuration, first select Return. From the menu, choose the Save configuration option. The default configuration will be updated.

eDIRECT PLUS Agent Configuration	X
Global Configuration	
SMTP Monitor Configuration	
SMTP Send Configuration	
SMTP Receive Configuration	
Mail Database Connection Configuration	
Mail Database Maintenance Configuration	
User Access Configuration	
Web Server Configuration	
Save Configuration	
Exit	

By default the files being stored in the specified data directory will contain the extension .mbx. Once the .mbx files have been created and placed in the specified directory, the next step is to use the files for an eFORMz project file transformation.

Name	Date modified	Туре	Size
201201201527430001	2/20/2012 3:27 PM	MBX File	20 KB
201201201529510002	2/20/2012 3:29 PM	MBX File	9 KB
201202011655190017	3/1/2012 4:55 PM	MBX File	6 KB
201202021046090017	3/2/2012 10:46 AM	MBX File	6 KB
201202021138290018	3/2/2012 11:38 AM	MBX File	6 KB

SMTP Send Configuration

The settings of the SMTP Send Service are mostly default values that are used when an eFORMz project file does not supply a value. It is used to transmit email messages to the appropriate destination.

1. From the eDIRECT+ Agent Configuration Menu, select the SMTP Send Configuration option.

eDIRECT PLUS Agent Configuration	
Global Configuration	
SMTP Monitor Configuration	
SMTP Send Configuration	
SMTP Receive Configuration	
Mail Database Connection Configuration	
Mail Database Maintenance Configuration	
User Access Configuration	
Configure Authentication	
Configure Logging	
Save Configuration	
Exit	

2. Set the SMTP Send Server to start by checking the Start SMTP Send Server option. Click OK to return to the eDIRECT+ Agent Configuration Menu.

Slobal Configuration		
Start up options: Start SMTP Receive Server		
	ОК	Cancel

3. Next, select the SMTP Send Configuration option.

eDIRECT PLUS Agent Configuration	
Global Configuration	
SMTP Monitor Configuration	
SMTP Send Configuration	
SMTP Receive Configuration	
Mail Database Connection Configuration	
Mail Database Maintenance Configuration	
User Access Configuration	
Configure Authentication	
Configure Logging	
Save Configuration	
Exit	

eDIRECT+ Agent Manual

SMTP Send Configuration					
Server address					
Port	25				
Max threads	25 Min threads 5				
Server options:	Requires login authentication				
User					
Password					
Sender address	news@minisoft.org				
Test recipients	test@minisoft.com				
Transport Host	localhost				
Send test E-Mail	OK Cancel				

4. The SMTP Send Configuration dialog box will display.

Options:

Server Address

The Server Address is the default address of the SMTP server through which to send SMTP messages.

Port

The default port of the SMTP server through which to SMTP messages are sent.

Max Threads

Limit on the number of concurrent processes. More threads allow sending to continue while one thread is busy incurring little additional overhead.

Min Threads

Smallest number of concurrent processes.

User

The name of the user on the host server. It is used to authenticate the message that should be sent through the host server.

Password

The user password on the host server that is used to authenticate the message that should be sent through the host server.

Sender Address

This is the default from address for messages. This is typically modified in an eFORMz project.

Test Recipients

Email address(es) used to test the transport.

Transport Host

The Transport Host is the name used with the remote, or recipient server in the SMTP conversation to identify the host server name.

SMTP Receive Configuration

The SMTP Receive service primarily listens for incoming messages, such as Delivery Status Notifications. By extension, it also supports the Response Tracking module inside eDIRECT+.

1. From the eDIRECT+ Agent Configuration Menu, select the SMTP Receive Configuration option.

eDIRECT PLUS Agent Configuration	
Global Configuration	
SMTP Monitor Configuration	
SMTP Send Configuration	
SMTP Receive Configuration	
Mail Database Connection Configuration	
Mail Database Maintenance Configuration	
User Access Configuration	
Configure Authentication	
Configure Logging	
Save Configuration	
Exit	

2. Set the SMTP Receive Server to start by checking the Start SMTP Receive Server option. Click OK to return to the eDIRECT+ Agent Configuration Menu.

🛃 Global Configuration		
Startup options: Start SMTP Receive Server		
	ОК	Cancel

eDIRECT+ Agent Manual

3. Next, select the SMTP Receive Configuration option.

eDIRECT PLUS Agent Configuration	- 0 X
Global Configuration	
SMTP Monitor Configuration	
SMTP Send Configuration	
SMTP Receive Configuration	
Mail Database Connection Configuration	
Mail Database Maintenance Configuration	
User Access Configuration	
Configure Authentication	
Configure Logging	
Save Configuration	
Exit	

r	SMTP Receive Configuration	n	
1	SMTP ports	25,2525	
	Max threads	25 Min threads 5	
	Mail domain	localhost	
ē	Temp directory	c: \Minisoft\eFORMz\build\input	
	Recipients		
	reepend		
		OK Cancel	

4. The SMTP Receive Configuration dialog box will display.

Options:

SMTP Ports

A port or ports on which to listen for new email messages.

Max Threads

Limit on the number of concurrent processes. More threads allow receiving to continue while one thread is busy incurring little additional overhead.

Min Threads

Smallest number of concurrent processes.

Mail Domain

The server name that is reported to sending servers.

Recipients

List of valid recipient names for this service. Messages received that do not match any of the listed entries will be rejected and the host may be black listed.

Temp Directory

Refers to the location which stores message files for further processing or review.

Mail Database Connection Configuration

The Mail Database Connection implements a connection to a database for storing messages.

1. From the eDIRECT+ Agent Configuration Menu, select the Mail Database Connection Configuration option.

🛃 eDIRECT PLUS Agent Configuration
Global Configuration
SMTP Monitor Configuration
SMTP Send Configuration
SMTP Receive Configuration
Mail Database Connection Configuration
Mail Database Maintenance Configuration
User Access Configuration
Configure Authentication
Configure Logging
Save Configuration
Exit

🛓 Database Connection Config	uration		
Database dass name Connection string Use jar file	com.microsoft.sqlserver.jdbc.SQLServ	•	
Property	Value	Required	
Check properties		OK	Cancel

2. The Database Connection Configuration dialog box will display.

Options:

Database Class Name

The class name for the JDBC connection to be used. There are two configured connections: com.microsoft.sqlserver.jdbc.SQLServerDriver and com.mysql. jdbc.Driver.

Connection String

The JDBC connection string to the eDIRECT+ Agent Mail Database.

Use Jar File

The optional jar file name if the database class is not statically configured in eFORMz.

Properties Table

The Property, Value and Required fields are database connection properties that are returned from a successful connection test.

Check Properties

This option will test the database connection and return the default properties if a connection can be made.

3. Select a Database class name and enter a Connection string. If necessary, add a jar file with the User jar file browse button (...). Select Check properties to verify the connection.

🛃 Database Connection Configuration					
Database class name	com.microsoft.sqlserver.jdbc.SQLServerDriver				
Connection string	33;databaseName=email;user=email;password=email;selectMethod=cursor;parametersAsUnicode=false				
Use jar file	.\jars\sqljdbc4.jar				
Property	Value	Required			
applicationName	Microsoft SQL Server JDBC Driver	false			
databaseName	email	false			
disableStatementPooling	true	false			
encrypt	false	false			
failoverPartner		false 🗉			
hostNameInCertificate		false			
instanceName		false			
integratedSecurity	false	false			
lastUpdateCount	true	false			
lockTimeout	-1	false			
loginTimeout	15	false			
packetSize	8000	false			
password		true			
portNumber	1433	false			
Check properties	The connection to the database wa	OK Cancel			

Mail Database Maintenance Configuration

The Mail Database Maintenance controls the background monitoring of the eDIRECT+ Agent Mail Database. It handles the disposition of messages that do not have a specific disposition defined.

1. From the eDIRECT+ Agent Configuration Menu, select the Mail Database Maintenance Configuration option.

eDIRECT PLUS Agent Configuration	
	Global Configuration
	SMTP Monitor Configuration
	SMTP Send Configuration
	SMTP Receive Configuration
	Mail Database Connection Configuration
	Mail Database Maintenance Configuration
	User Access Configuration
	Configure Authentication
	Configure Logging
	Save Configuration
	Exit

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2. The Database Maintenance Configuration dialog box will display.

🎒 Database	e Maintenance Configuration			-		• ×
	Check interval (minutes)	60				
	Bad hosts	Threshold (messages)	4	History (days)	146	
	Message contents	Message options				
	Outbound queue	Successful (days)	10	Error (days)	20	
	Run		ОК		Cancel	

Options:

Check Interval (minutes)

This refers to the frequency that the database is checked for records that can be "cleaned."

Bad Hosts

A method to reduce spam. The SMTP Receive will stop accepting connections from a host that sends [threshold] messages to invalid recipients within the last [history] days.

Message Contexts

Mail transfer agent database table.

Message Options

Mail transfer agent database table.

Outbound Queue

Mail transfer agent database table.
User Access Configuration

The User Access Configuration enables additional users to be added to a particular eDIRECT+ Agent configuration.

1. From the eDIRECT+ Agent Configuration Menu, select the User Access Configuration option.

SeDIRECT PLUS Agent Configuration	
Global Configuration	
SMTP Monitor Configuration	
SMTP Send Configuration	
SMTP Receive Configuration	
Mail Database Connection Configuration	
Mail Database Maintenance Configuration	
User Access Configuration	
Configure Authentication	
Configure Logging	
Save Configuration	
Exit	

eDIRECT+ Agent Manual

Jsers Configuration	
Users	
Add user	Return

2. The Users Configuration dialog box will display. Select the Add user option.

3. The User dialog box will display. Enter the relevant information and click Add to incorporate the new user.

🕌 User				
User name	username			
Password	password			
Confirm password	password			
	Admin			
	Control			
	Manage			
		Delete	Add	Cancel

Options:

Admin

This privilege allows the user to control, manage, and configure the eDIRECT+ Agent.

Control

This privilege is required for starting, stopping, or pausing services.

Manage

A user with this privilege may manage the mail queue.

Configure Authentication

The Configure Authentication sets the user and password values for the Authentication dialog box.

1. From the eDIRECT+ Agent Configuration Menu, select the Configuration Authentication option.

eDIRECT PLUS Agent Configuration	- 0 X
Global Configuration	
SMTP Monitor Configuration	
SMTP Send Configuration	
SMTP Receive Configuration	
Mail Database Connection Configuration	
Mail Database Maintenance Configuration	
User Access Configuration	
Configure Authentication	
Configure Logging	
Save Configuration	
Exit	

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n			
minicoft			
•••••			
	OK	Cancel	
	n minisoft ••••••	minisoft •••••••• OK	minisoft ••••••• OK Cancel

2. The Authentication Configuration dialog box will display.

Configure Logging

The Configure Logging option allows the user to set the logging activity for eDIRECT+ Agent processes. For more on eDIRECT+ Agent logging, and logging with the eFORMz 9.0 suite of products, consult the *Logging Mini-Manual*.

Save Configuration

1. From the eDIRECT+ Agent Configuration Menu, select the Save Configuration option to save any changes made to the eDIRECT+ Agent Configuration.

eDIRECT PLUS Agent Configuration	
Global Configuration	
SMTP Monitor Configuration	
SMTP Send Configuration	
SMTP Receive Configuration	
Mail Database Connection Configuration	
Mail Database Maintenance Configuration	
User Access Configuration	
Configure Authentication	
Configure Logging	
Save Configuration	

eDIRECT+ Agent Management

The eDIRECT+ Agent is the service that handles the sending and receipt of email messages. The service is normally a background process without a user visible component (i.e. Windows Service). The service may be started and stopped with the usual operating system controls. The use of the eDIRECT+ Agent Control Application allows for additional control and detailed monitoring of the service while it is running.

Control Settings

- 1. To manage the eDIRECT+ Agent, run the eDIRECT+ Agent Control Application at C:\Minisoft\eFORMz_6\eDP_Control.
- 2. Once open, the eDIRECT+ Agent Management dialog box will display. Click OK to proceed.



3. Enter the Host address, User and Password. The default User is username and the default Password is password. These can be updated with the settings.xml file in the eFORMz directory (C:\Minisoft\eFORMz_6\settings.xml).

🛓 Login	
Host address	localhost
Port	0007
Port	3337
User	username
Password	
	Connect Exit

Display the Status of the eDIRECT+ Agent

The Display the Status of the eDIRECT+ Agent window shows the state of the SMTP send and receive components. It also allows each component to be started and stopped individually.

1. From the eDIRECT+ Agent Management Menu, select the Display the Status of the eDIRECT+ Agent option.

S eDIRECT PLUS Agent Management	
Display the status of the eDIDECT DLUS Agent	
Display the status of the sDIDECT PLUS Agent	
Display the status of the EDIRECT PLUS SMITP Monitor	
Send an E-Mail	
Query Messages	
Shutdown the eDIRECT PLUS Agent	
Exit	

- 🙆 eDIRECT PLUS Agent Status - 0 X Send Service Receive Service Shutdown send service Shutdown receive service Messages ready to send DSN Received 0 0 0 Total Received 0 Messages sent [0000013352:RMI TCP Connection(27910)-192.168.23.204] Received SMTP Messages 0 Queued SMTP Messages 0 Sent SMTP Messages 0 SMTP Send Status true SMTP 25 | Active 0 | Completed 2793 | Pool Size 5 | Task Count 2793 | Connections 5899 | SMTP 2525 | Active 0 | Completed 0 | Pool Size 0 | Task Count 0 | Connections 0 | Bad Hosts: 245 Refresh Return
- 2. The eDIRECT+ Agent Status will display.

Options:

Send Service

The SMTP Send service reads the message queue and transports the emails to the recipient mail servers.

Receive Service

The SMTP receive service is used to identify and sort incoming email messages. It uses a variety of search techniques to determine which outgoing message is related to each received message. Received messages include delivery status notifications, vacation notices, replies, and other information regarding the recipient.

Status Window

Details used by Minisoft support, often used to optimize run-time parameters.

Display the Status of the eDIRECT+ SMTP Monitor

The Display the Status of the eDIRECT+ SMTP Monitor window shows the status of the SMTP Monitor service.

1. From the eDIRECT+ Agent Management Menu, select the Display the Status of the eDIRECT+ SMTP Monitor option.

실 eDIRE	CT PLUS Agent Management	
	Display the status of the eDIRECT PLUS Agent	
	Display the status of the eDIRECT PLUS SMTP Monitor	
	Send an E-Mail	
	Query Messages	
	Shutdown the eDIRECT PLUS Agent	
	Exit	

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2. The eDIRECT+ Agent Status will display.

eDIRECT PLUS SMTP Monitor Status	
SMTP Monitor Service Shutdown SMTP Monitor service	
SMTP Monitor Service is running	
	Refresh Return

Options:

SMTP Monitor Service

Indicates whether the SMTP Monitor is running or not.

Send an E-Mail

The Send an E-Mail option allows the user to provide values that will override the defaults set for the SMTP Send Service. These options are available in each instance of an eFORMz project.

1. From the eDIRECT+ Agent Management Menu, select the Send an E-Mail option.

🛓 eDIRECT PLUS Agent Management	×
Display the status of the eDIRECT PLUS Agent	
Display the status of the eDIRECT PLUS SMTP Monitor	
Send an E-Mail	
Query Messages	
Shutdown the eDIRECT PLUS Agent	
Exit	



2. The Submit E-Mail dialog box will display. To edit the SMTP options, select the SMTP Options button in the bottom left of the screen.

🍰 Submit E-Ma	a de la companya de l		x
From			
То			
сс			
BCC			
Subject			
Message			
SMTP Opt	ions Send	Cancel	

Options:

From

An email address that designates who the email is from.

То

An email address that designates the recipient of the email.

СС

An email address for CC recipients.

всс

An email address for BCC recipients.

Subject

The subject of the email.

Message

The body of the email.

SMTP Test Message Server Options			
SMTP host			
Port 25			
Authentication requ	ired		
User			
Password			
Read reciept requested			
Send notification requested	🔲 Request full	notification	
Importance: Normal 	🔘 High	C Low	
Sensitivity: 🔘 Normal	Personal	Private	Confidential
	ſ	ОК	Cancel
			,

3. The SMTP Test Message Server dialog box will display.

Options:

SMTP Host

The SMTP Host refers to the address of the SMTP server through which the SMTP message is sent.

Port

The SMTP server port.

Authentication Required

If enabled, enter the user and password to connect to the SMTP Host.

Read Receipt Requested

When enabled, it will send Delivery Status Notification to the SMTP Receive stating that the message was read. The recipient may opt not to send the DSN.

Send Notification Requested

When enabled, it will send Delivery Status Notification to the SMTP Receive stating that the send notification was received. The recipient may opt not to send the DSN.

Request Full Notification

When enabled, it will send Delivery Status Notification to the SMTP Receive stating that a full notification was received. The recipient may opt not to send the DSN.

Importance

Options include: Normal, High and Low.

Sensitivity

Options include: Normal, Personal, Private and Confidential.

Query Messages

The Query Messages option allows

1. From the eDIRECT+ Agent Management Menu, select the Query Messages option.

le eDIRECT PLUS Agent Management	
Display the status of the eDIRECT PLUS Agent	
Display the status of the eDIRECT PLUS SMTP Monitor	
Send an E-Mail	
Query Messages	
Shutdown the eDIRECT PLUS Agent	
Exit	

2. The Query Messages dialog box will display.

실 Query Messages	
Message state	n/a sent queued sending
Recipient	
Subject contains	
	OK Cancel

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Options:

Message State

The message state to query. Options include n/a, sent, queued and sending.

Recipient

Specifies the 'TO:' address to query.

Subject Contains

Defines the subject to query.

Shutdown the eDIRECT+ Agent

1. To shut down the eDIRECT+ Agent, select the Shutdown the eDIRECT+ Agent option from the Menu.

Display the status of the eDIRECT PLUS Agent
Display the status of the eDIRECT PLUS SMTP Monitor
Send an E-Mail
Query Messages
Shutdown the eDIRECT PLUS Agent
Exit

Appendices

APPENDIX A: eDIRECT+ Agent Message Disposition Matrix

Messages are stored at the time that they are created. The amount of time they remain stored is configured as the disposition. There are several actions that can be taken on a stored message. The action(s) will occur related to the state that they are in and the length of time in that state. As an example, a message can be configured to be deleted seven days after a successful transmission. Message dispositions are configured from the eDIRECT+ tab of the eFORMz Composer:



Delivery Actions

The following list includes actions that may be taken on a message state.

Delete

The "Delete" action will remove the message from the Mail Database.

Notify

The "Notify" action can send a notification or a status history.

Dispatch

The "Dispatch" action will return the message to eFORMz for further action.

Dispositions

Listed below are possible states that could apply to a message. Changes to message states are where a disposition action can be configured to occur.

Delete:		×
Dispositions		
Dispositions	Queued Sent Could not send Can not deliver DSN Other	
Edit condit	ion <u>O</u> K	<u>C</u> ancel

Queued

"Queued" is the initial state of messages when they are received by the eDIRECT+ Agent Service.

Sent

The "Sent" state is set for a message when the SMTP Send service receives a "successful" status from the recipient's email server.

Could not send

The "Could not send" state is set for a message when the SMTP Send service receives a "failure code 5xx" status from the recipient's email server. This could also be set if the SMTP Send cannot be opened, if there is no MX record for the recipient's domain or if code 4xx delays are past the configured expiration time.

Cannot deliver

After a message is sent, there may be a delayed reply from a mailer daemon in the recipient's mail server chain. This occurs when an intermediate server accepts the message in a store-and-forward configuration but it unable to complete the send to the recipient's inbox. While a "Cannot deliver" message could arrive at any time, it is commonly ignored if the message is in the Sent state for 24 hours.

Delivered

This is a Delivery Status Notification (DSN) that will return a "Delivered" message. If configured, it is returned to the sender by the recipient's local email server or client.

Undelivered

This is a Delivery Status Notification (DSN) that will return an "Undelivered" message. If configured, it is returned to the sender by the recipient's local email server or client.

Read

This is a Delivery Status Notification (DSN) that will return a "Read" message. If configured, it is returned to the sender by the recipient's local email server or client.

Reply

A "Reply" message indicates that a message was received that had the message ID of a previously "Sent" message.

APPENDIX B: The SMTP Monitor & Regular Expressions

The following is a basic reference guide for using regular expressions, which are a standard way of finding text using character sequences. The SMTP Monitor processes regular expressions for matching strings. Data is examined and matched in accordance with the given specifications of a regular expression. The Text to XML preprocessor also makes use of regular expressions.

Regex Engine

The regex engine used is from the Java Class *java.util.regex.Pattern*. While the syntax of this class has remained unchanged from Java 1.4 through 7, using the documentation for the JRE that is being employed is recommended.

Anchors

Anchors specify a position in a string where a match must occur. An anchor that is used in a regular expression will not advance through the string or consume characters. Instead, it looks for a match in the specified position only. For example, ^ specifies that the match must start at the beginning of a line or string.

Start of a line
 \A
 Start of an input string
 \$
 End of a line
 \Z
 End of an input string



Character Classes

A character class defines a set of characters, any one of which could occur in an input string for a match to succeed.

\c
 Control character
\s
 White space
\S
 Not white space.
\d
 Digit.
\D
 Not digit.
\w
 Word.
\W

Not word.

Quantifiers

Quantifiers specify the number of instances a character or character class must be present in the input for a match to be found. Quantifiers can be greedy or lazy. Greedy quantifiers match as many occurrences of a particular pattern as possible. Appending the ? character to a quantifier makes it lazy, which will match as few occurrences as possible.

```
*
    o or more. Example: X* is X zero or more times
*?
    o or more (lazy)
+
    1 or more
+?
    1 or more (lazy)
```

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```
?
o or 1
??
o or 1 (lazy)
{}
Exact number. Example: {3} is exactly 3
{3,}
3 or more
{3,5}
3, 4 or 5
{3,5}?
3, 4 or 5 (lazy)
```

Special Characters

When the search for a match requires something more than a direct match on position, text or a digit, the pattern includes special characters.

```
\
Escape character
\n
New line
\r
Carriage return
\t
Tab
\v
Vertical tab
\f
Form feed
```



Ranges (Inclusive)

Grouping constructs capture the substrings of an input string, or a specified range from the string.

```
Any character except a new line (\n)

(a|b)

a or b.

[...]

Group

[abc]

Range (a or b or c)

[^abc]

Not a or b or c

[a-q]

Letter between a and q

[A-Q]

Upper case letter between A and Q

[o-7]

Digit between o and 7
```

Sample Patterns

Listed here are some common regular expressions for matching strings with the SMTP Monitor. Note that all expressions are case-sensitive.

(Subject) or Subject

This basic pattern will pick up any instance of the word 'Subject.' This is typically used to match the subject line string of an email confirmation or notification, which contains the word 'Subject.' The parentheses are optional but it is case-sensitive.

^Subject[:]()+Your

If the subject line string contains 'Subject: Your Order:' this expression can be used to match the input. The expression states that the instance of Subject at the beginning of a string, followed by a colon, then a blank space and one or more instances of Your will be matched.

.Subject[:]()+Your

If the subject line text characters are not at the very beginning of a string, then simply replace the '^' boundary marker with a '.' grouping construct. This expression states that for any character except a new line that contains Subject, followed by a colon, then a blank space and one or more instances of Your will be matched. The subject line picked up contains 'Subject: Your Order."

.Order()+Number[:]

This expression will match the input string for 'Order Number:' that represents the order number information. This regular expression will match any character except a new line that contains Order, followed by a blank space and one or more instances of Number, followed by a colon.

.00920l or .()00920l

Often, both shipping and order confirmation files will have the same or a similar subject. In order to process them separately, the letter number code of each file can be matched. The first expression listed will pick up any character except a new line, followed by the constant letter code value.

The second expression will pick up any character except a new line followed by a blank space and the constant value. This need only be used if there are multiple instances of the letter code in the data file, as the blank space will distinguish it from other instances.

^Subject[:]()+Ship

If the subject line string contains 'Subject: Ship Confirmation' this expression can be used to match the input. The statement reads that the instance of Subject at the beginning of a string, followed by a colon, then a blank space and one or more instances of Ship will be matched.

.Ship()+To[:]

This statement will match 'Ship To:' in the input file. The expression will match any character except a new line that contains Ship, followed by a blank space and one or more instances of To, followed by a colon.

.[0-12]\d[/]

This statement will match a date in the input file with a short numerical format. An example might be 05/02/12. The expression matches any character except a new line that contains any digit from zero through 12, followed by the instance of a forward slash '/' character.

APPENDIX C: The SMTP Monitor & Processing .mbx Files

The SMTP Monitor captures outgoing email messages and generates .mbx files that can be enhanced by an eFORMz assembly engine project. With .mbx files, however, there aren't noticeable differences in naming conventions amongst various data files. In other words, .mbx shipping acknowledgements will have file names that resemble a .mbx backorder notification. For an eFORMz project to make the distinction and listen for the right file, a condition must be set within the project.

eFORMz Project Condition

1. Beginning with a shipping confirmation, add a condition to the eFORMz project by right clicking the project name and selecting Add AND Condition > Contains.



2. The Data Condition dialog box will display. It is at this point a decision must be made to differentiate between .mbx data files. An element that is constant and unique to a particular file is necessary for this to occur. Often, the subject line of these files are different, and so that is commonly chosen. Letter number code is also different and unique to a given file, and so that is also a common choice. Both will be demonstrated below.

I	Data Condition		
		nth	
	of variable	•	
		Contains -	
		Constant O Variable	
	Compa	are as Numeric	
		<u>O</u> K <u>C</u> ancel	

The order confirmation below has a subject line of 'Your Order: Zo5990293000' and a letter number of '00513Z':



The ship confirmation below has a subject line of `Subject: SHIP CONFIRMATION' and a letter number of ` $oo_{533}Z'$.



3. From the drop-down menu, select the variable that picks up the subject line information.

Data Conditio	Data Condition		
	nth 🗨 occurrence		
of variable	SubjectLine	-	
	letter variables		
	Date		
	EMailAddress		
	SubjectLine		
	EMailDearTo		
Compa	OrderNumber		
	USPStracking	티번	
	CustomerNum	-	

4. Select the Constant option and enter a value that matches the subject line. Entering 'SHIP' should serve the purpose, as it need only contain that word to be matched. Ordinarily, order confirmations should not have the word ship in their subject line. Click OK.

Data Condition					
	nth 💌 occurrence				
ofvariable	SubjectLine 💌				
	Contains				
	Constant				
SHIF					
Comp	Compare as Numeric				
	<u>O</u> K <u>C</u> ancel				

- **NOTE:** Conditions are case-sensitive, so if the subject line contained the 'Subject: Ship Confirmation' then the constant value of the condition would have to be 'Ship' in order to generate a match.
- 5. In the event that a subject line match cannot occur, a condition can be placed on letter number code. From the Data Condition dialog box, select the variable that contains the letter number information.

Data Condition			
	nth	▼ occurrence	
of variable	LetterNum		-
	SubjectLine		<u>-</u>
	EMailDearTo	-	
	OrderNumber	-	
	USPStracking		
	CustomerNum		
Compa	LetterNum		
	ShipTo		Ľ
	QTY		-

Then enter the letter number value as a constant.

Data Condition			
	nth 💌 occurrence		
of variable	LetterNum		
	Contains		
	Constant Variable		
0053	332		
Compare as Numeric			
	<u>O</u> K <u>C</u> ancel		

6. For the order confirmation project, the process is similar. Right click the project name and select Add AND Condition > Contains.

🚔 orderconfirm		· ·
👇 🖺 Page1	Properties •	
P⊢L letter	Display Forms and Data	
• ¥K	Open Data File	
— ¥K	Print	
- 78 - 78	Output	
3K	Process w/eDIRECT PLUS	
	Add Page	
- 3K	Add Global Variable	
	Add AND Condition	Is equal to
• 38	nemino Deservation	Is not equal to
- 3R	Amount	Is less than
- 2E	TotalProduct	le greater then
► 3Ĕ	Discounts	is greater trian
○ <u></u> <u></u> <u></u> , <u></u> , <u></u> , <u></u> <u></u> , , <u>,</u> <u></u> , , <u>,</u> <u>,</u> <u>,</u> <u>,</u> <u>,</u> <u>,</u> <u>,</u> <u></u>	NetProduct	Starts with
∽ ¥K	ShippingHandling	Ends with
∽- ∦k	TotalTaxes	Contains
∽	TotalOrder	
4		•
Project eDIF	RECT PLUS	

7. The Data Condition dialog box will display. From the drop-down menu, select the variable that picks up the subject line information.

Data Conditio	Data Condition		
	nth occurrence		
of variable	SubjectLine	-	
	letter variables	-	
	Date		
	EMailAddress		
	SubjectLine		
I	EMailDearTo		
Compa	OrderNumber		
	CustomerNum	ΙĽ	
	LetterNum	-	

8. Enter a value that matches the subject line. Entering 'Order' will serve the purpose, as it need only contain that word to be matched. Ordinarily, order confirmations are the only messages that will have that word in their subject line. Recall that it is case-sensitive. Click OK.

Data Conditi	on X			
	nth 💌 occurrence			
ofvariable	SubjectLine 🗨			
	Contains 🗨			
	Constant O Variable			
Orde	h			
Compare as Numeric				
	<u>O</u> K <u>C</u> ancel			

9. If a subject line match cannot occur, a condition can be placed on letter number code. From the Data Condition dialog box, select the variable that contains the letter number information.

Data Conditio	on		x
	nth	▼ occurrence	
of variable	LetterNum		-
	SubjectLine		
	EMailDearTo		
	OrderNumber		
	CustomerNum		
	LetterNum		
Compa	ShipTo		
	QTY		
	ltemNo		-
			·

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Data Condition				
nth cccurrence				
of variable	LetterNum 💌			
	Contains 🗨			
	Constant			
0051	32			
Compare as Numeric				

Then enter the letter number value as a constant.

REMINDER:

Each project that is processing .mbx files must have a condition set within it. The project needs only one condition, and the most common choices are either the subject line or the letter number code.

Configuring the Director Toolkit

The Director is where the eFORMz assembly engine monitors for an incoming data file. The eFORMz project identifies the data file and they are merged. eDIRECT+ is a post-process that emails this merged document. The following instructions serve as a guide for configuring the Director Toolkit to listen for .mbx files and sending emails with the eDIRECT+ Agent. For more on the Director, consult the *Director Mini-Manual*.

- 1. From the eFORMz Composer main menu select Host Tools and choose the appropriate Toolkit. The Local Toolkit applies to Windows, the AS400 Toolkit is for AS400 and iSeries users and the Unix Toolkit is for Unix and its variants.
- 2. The Input directory is the directory where the output file resides. Wherever eDIRECT+ Agent has been configured to output the .mbx files will be the Input directory. Right click the Input directory and select Add File Selector.

Configure	Printers					
Configuration	n					
E LocalPM.	cfg				-	Add
- 📥 input	directory: C	Minisoπ\eFOH	MZ 6VINPUT	1		
			Noive			<u>R</u> emove
			Add File Selector			
			Remove			<u>C</u> hange
			Change			
						Enable
						Disable
					_	
4					•	
-						
			Start Queue	Monitor(s)	Stop O	ueue Monitor(s
			Olarradouc		Crop G	

3. The File Selector determines which data files are picked up. Enter *.mbx* in the File Selection field. The asterisks are wildcard characters that will pick up zero or more instances of the characters 'mbx'. In other words, all files with the .mbx extension will be picked up.

File Selection	×				
File Selection *.mbx*					
Disposition: Char Appe	Change extension of selected file to ".hld" Append ".hld" to the selected file Delete selected file				
Additional File Selector (none)					
	File Selector Properties				
Sort	by: File name Date/time last modified Ascending Descending				
	<u>Q</u> K <u>C</u> ancel				

4. Right click the File Selection and select Add Processor > eFORMz.

Configuration		
E LocalPM.cfg		
🛉 🗝 📾 Input directory: C:\Mi	nisoft\eFORMz_6\Input	
File Selection: *.	mbx*	_
	✓ Active	
	Add Processor	eFORMz
	Add Output Process 🕨	Command File
	Remove	
	Change	
		-

5. From the browse button (...) adjacent to the Project field, locate the eFORMz project that will be merged with the .mbx files.

Process with eFORMz		×				
Project C:\Minisoft\eFORMz_6\Projects\Sample\orderconfirm.efz						
	ОК	Cancel				
6. To add another project, right click the File Selection and select Add Processor > eFORMz.

Configuration			
LocalPM.cfg			
– 📾 Input direct	ory: C:\Minisoft\eFORMz_6	\Input	
🛉 🕂 👫 File Sel	ection: *.mbx*		
🗆 🚔 eFC	Active	ORMz_6\Projects\	Sample\orderconfirm.efz
	Add Processor	eFORMz	
	Add Output Process 🕨	Command File	
	Remove		
	Change		
		1	

7. From the browse button (...) adjacent to the Project field, locate the eFORMz project that will be merged with the .mbx files. Continue adding eFORMz projects as necessary.

Process with eFORMz		×
Project C:Winisoft\eFORMz_6\Projects\S	Sample\shipconfirm.	efz
	ок	Cancel

 With projects configured to listen for .mbx files and be merged appropriately, the next step is to add the eDIRECT+ post-process for emailing these documents. Right click an eFORMz Project and select Add Output Process > Process w/eDIRECT PLUS.



9. Specify the directory where the processed output will reside by choosing a directory from the system using the browse button (...).

Process w/eDIRECT PLUS		×
Base Directory C:\Minisoft\eFORMz_6\Projects\Sa	mple	
Disable standard subdirectories	ОК	Cancel

10. Add the eDIRECT+ output process to any other projects by right clicking the project and selecting Add Output Process > Process w/eDIRECT PLUS.

Configuration	
LocalPM.cfg	
– 📾 Input directory: C:\Minisoft\eFORMz_	6\Input
🛉 👫 File Selection: *.mbx*	
eFORMz Project: C:\Minisoft\e Process w/eDIRECT	FORMz_6\Projects\Sample\orderconfirm.efz
- 🚔 eFQRMz Proiect: C:\Minisoft\e	FORMz_6\Projects\Sample\shipconfirm.efz
I∎ Active	
Add Output Process ►	Print
Remove	File Output
Change	Process w/eDIRECT PLUS

11. Specify the directory where the processed output will reside by choosing a directory from the system using the browse button (...).

Process w/eDIRECT PLUS		X
Base Directory C:\Minisoft\eFORMz_6\Projects\Sa	mple	
Disable standard subdirectories	ОК	Cancel

12. The Director Toolkit Configuration is ready for processing.

APPENDIX D: Cascading Style Sheets (CSS)

Often, transactional emails make use of Cascading Style Sheets (CSS), which define how to display HTML elements. This ensures brand consistency, as the look of any event-triggered message will reflect the company identity associated with the website. eDIRECT PLUS lets businesses create documents fully furnished with their style sheets by referencing them in the Document Template. For more on using style sheets, consult the *Cascading Style Sheets Part* of the *Document Template Mini-Manual*.

APPENDIX E: Configuring an E-Mail for Multiple Client Types

Sending messages in both HTML and text format is a sound email practice. After all, not all recipients will be able to view HTML messages properly. Plain text emails, if formatted properly, will ensure that all emails will be viewed in the appropriate format. With eDIRECT PLUS, text and HTML emails can be built and sent automatically.

Once an HTML email has been built with eDIRECT PLUS, to send a plain text message, the user must build it accordingly. This process is similar to the design of the HTML document, as plain text emails are also built using the Document Template and processed with eDIRECT PLUS.



1. Crafting a plain text email, like the HTML message, requires its own form. To incorporate another form, *right click* the *Page* and select *Add Form*.



2. Choose the *Blank* option from the *Source of Form* field.

Select	×		
Source of Form			
 From file Blank 			
<u></u> K	<u>C</u> ancel		

3. The Form Properties dialog box will display. Click OK to proceed.

Form Properties			
General Font Data Suppression Zebra XML HTML Output			
Page Size Letter Form Data Orientation Portrait Top offset 0.0 0.0 Lines per inch 6.000 0.0 0.0			
Data viewer size: Match page size Fixed Width 5760.0 Height 7920.0			
Exclude data Overlay on previous form			
Paper side Next Source Tray Current Suppress output when empty Output Tray Current			
Edit condition QK Cancel			

4. *Right click* the *Blank* form and select *Add Document Component > Paragraph*.

🕼 Minisoft eFORMz Composer (8.03.05), Licensed to Mi	nisoft, eDIRECT PLUS Enabled
File Project Run Host Tools Window Help	
	
Project	Viewer
OrderTemplate Page1 Dester Document Template Document Template Document Template Document Template Document Template Display Form Display Form Display Form and Data Print Output Add Constant	View Image: Constraint of the second se
Add Input Field	ProductLine
Add Variable)
Add Procedure	
Project eDII Add AND Condition	
Variables Add Document Component	Paragraph
Variable Load Document from a File	Table
OrderDate Add Record Element EmailAddress Add Rule SoldToName Add rules from an external project	Box ■ External document temptate ft: News Events Downloads Product Manuals
DateOrdered Insert Form InvoiceURL Insert Copy of Form Qtv(0)	We are currently procession your order
Qty(1) Replace Qty(2) Reload	
Letter Remove	Î letter

- х Paragraph Properties Borders Margins Padding Style Id General Font Alignment Left Ŧ First line indent 0.0 Background Color Automatic Edit condition <u>0</u>K Cancel
- 5. The *Paragraph Properties* dialog box will display. Adjust the *Alignment* and other fields as necessary.

6. *Right click* the *Paragraph* and select *Add text > Text value*.



Value Font Style Id Text We are currently processing your order. Vertical Alignment baseline	Content Segment Properties	×
Text We are currently processing your order. Vertical Alignment baseline	Value Font Style Id	
We are currently processing your order.	_ Text	
Vertical Alignment baseline	We are currently processing your order.	
Edit condition OK Cancel	Vertical Alignment baseline	Cancel

7. Enter a value in *Text* field and click OK to continue.

8. To see all of the plain text document, right click the Project and select *Display Forms and Data.*



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9. To edit the element, *Right click* it, highlight *Edit* and pick the appropriate option. For example, to change the margins, select *Edit* > *Margins*.



10. To edit the element, *Right click* it, highlight *Edit* and pick the appropriate option. For example, to change the margins, select *Edit > Margins*.

Paragraph Properties		×
General Font Borders	Margins Padding	Style Id
Automatic M	argins	
Top 0.0	Bottom 0.0	
Left 100.0	Right 100.0	
L		
Edit condition	<u>0</u> K	<u>C</u> ancel

eDIRECT/eDIRECT+ Manual

11. The element will be successfully updated.



12. To add spaces, *right click* the *Paragraph* and select *Add* > *Line Break*.





13. *Right click* the *Paragraph*, highlight *Add text* and pick the *Text value* option.

14. Enter a value in the *Text* field.

Content Segment Properties	x
Value Font Style Id	
Order Number:	
Vertical Alignment baseline 💌	
Edit condition OK Cano	el

15. To add variable values to the plain text email, the user need only copy the variables created for the HTML message. Left click the *Variables* and hold the Ctrl key. Then drag the *Variables* to the plain text document.

Project	×
OrderTemplate Page1 Interplate	
	Ť
Project eDIRECT PLUS	

16. The variables will be available for placement in both the HTML and plain text messages.





17. To add one of these variables, *right click* the *Paragraph* and select *Add text* > *Variable value*.

18. Choose the desired variable from the *Variable* drop down menu.



19. The variable will be placed. Continue adding document components until the email is deemed ready.



APPENDIX F: Cross-Selling and Upselling

Cross-selling and upselling are suggestive techniques designed to boost sales. Both methods match customers with additional products or services that might fit their needs, at the moment of a given purchase. Upselling is the practice of encouraging a client to buy an enhanced version of the product, or a related item that is more expensive. Cross-selling refers to the process of selling a complementary product or service. While effective at increasing revenue, cross-selling and upselling also strengthen existing customer relationships and contribute to their overall satisfaction. Minisoft's eDIRECT PLUS can incorporate relevant upsell and cross-sell offers.



You may also like

2 3/4" Wood Tees 100 Count \$6.99



5000 Full Set \$399.99



Men's Cardiff Golf Shoes - Black \$109.99



Dynamic

Configuring the Database

As numerous items could be shown for a particular product purchased, a database must be configured so that the dynamic information can be called with eDIRECT PLUS. While this information may be considered static, changing only periodically, the information referenced from the database will be plugged into Variables. This ensures that the latest updates from the database are automatically called.

Create a database with the necessary information. This may include the URL for an image, heading information and a link to the product's page on the website:



1. Right click the Project and select Properties > Databases.



Printer Control Sort Notes Data I	Parsing Advanced Images Databases
Databases	
SQLServer*	New
	Edit
	Remove
	Activate
* active in Composer	
	OK Cancel

2. To add a new configuration, select the New option.

NOTE: eDIRECT PLUS supports many databases. Some of these include SQL Server, My SQL, Access, Oracle, Image, Eloquence, Progress, Sybase, DB2 (iSeries) and Informix.

3. To edit the existing SQL Server database configuration, highlight it and select Edit.

Configure database conne	ection		×
Database connect	ion name SQLServer		
Driver class com	.microsoft.sqlserver.jd	bc.SQLServerDriver	
URL jdbc:	sqlserver://sturgeon\s	turgeon_sql:1433;data	base
Properties:		Default propertie	s
Property	Value		^
applicationName			
databaseName			
bleStatementPooling	true		
encrypt	true		
failoverPartner			
ostNameInCertificate			
instanceName			-
Load from file	Te <u>s</u> t	<u>O</u> K <u>C</u> ar	ncel
Save to file			

4. Right click the Form and select Add Variable > By position.

eDIRECT+ Appendices



5. Name the Variable. This "InputData" Variable will act as the parameter for the SQL or Table Lookup.

Variable	X
Name InputData	
Horizontal position 0.0	Vertical position 0.0
# of characters 0	Height 0.0 *
	~ 0 = Form line height
Repeat 1 time(s)	Increment line by 1
Copy original data to output	Include variable in XML output
Use as a bookmark in PDF ou	itput
	OK Cancel

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6. Right click the Variable and select Add Function > Bulk Concatenate.

7. Select a Variable from the drop-down menu that contains Item Number information.

Bulk Concatenate	×
Variable Item	•
ОК	Cancel

Project	Viewer
Minisoft_Upsell Page1 Page1 P Page1 P Page1 P Page1 P Page1 P Page1 P P Page1 P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P P	View View Open Data
◆ 米 beschptd ◆ 米 them ◆ 米 Price → 米 ProdLine ◆ 米 SubTotal ◆ 米 FlatRate ◆ 米 Tax	Set value from a declared constant Right trim Left trim Uppercase Lowercase
Project eDIRECT PLUS	Table Lookup SQL Lookup Does file exist
Variable InputData MIGC116 M OrderDate 6/21/12 EmailAddress Johndoeßminis	eVS Barcode Data Generator SmartLabel Barcode Data Generator Bulk Concatenate

8. Right click the InputData Variable and select Add Function > Right trim.

9. The InputData Variable will now contain each instance of an Item Number from a given order.

Variables									Ø	\boxtimes
Variable										
InputData	M	Ι	(G (2	1	1	6	M	I



10. Right click the Form and select Add Variable > By position.

11. Name the Variable so that it represents the Image (IP_1 in this example) column from the database.

Variable		×
Name IP_1		
Horizontal position 0.0	Vertical position	0.0
# of characters 0	Height	.0 *
	*	0 = Form line height
Repeat 1 time(s)	Increment line	by 1
Copy original data to output	🔄 Include va	ariable in XML output
Use as a bookmark in PDF of	utput	
	<u>0</u> K	<u>C</u> ancel

 Continue adding Variables By position to represent each of the columns from the database. Right click one of these Variables (such as IP_1) and select Add Function > SQL Lookup.

Project	X
A Minisoft_Upsell	
🛉 🖻 Page1	
P→ The letter	
Yariables	
P ∺ InputData	=
—	
🗕 🖻 Right trim	
— 🗏 🕂 🕂 🕂 🕂	
— ೫₭ IP_2	
— 🗏 🕂 🛛 🕂	
– ೫₭ Heading_1	
— ೫₭ Heading_2	
— ೫₭ Heading_3	
– א⊧ URL_1	
— ೫₭ URL_2	
— ೫₭ URL_3	

13. In the SQL Statement field, enter the statement as a Constant value or select a Variable which contains the statement. In the Parameters field, select the Add button and pick the InputData Variable created earlier. In the Additional columns assigned to field, select the Add button and choose all of the Variables that represent columns in the table that is being referenced in the SQL statement.

SQL Lookup	×
Database SQLServer*	-
SQL Statement:	
Constant SELECT * FROM table_name	
O Variableletter variables	-
Parameters	
InputData	Add
	Remove
	Move up
	Move down
Additional columns assigned to:	
IP_1	Add
IP_2 IP_3	Remove
Heading_1	Move up
Heading_2 Heading_3	Move down
Ōĸ	<u>C</u> ancel

NOTE: A typical SELECT statement to return a column from a table is as follows: SELECT column_name(s) FROM table_name. Selecting all columns will require the SELECT * FROM table_name format. A stored procedure may also be referenced using an EXECUTE (EXEC) statement.

14. In the Variables Window in the bottom left of the Composer, all of the column Variables will be picking up the information from the database.

Variables												Z	ĩ		×
Variable															
IP_1	h	t	t	p	:	/	7	3	h	0	p	p	i	n	*
IP_2	h	t	t	p	:	/	7	3	h	0	p	p	i	n	=
IP_3	h	t	t	p	:	/	7	3	h	0	p	p	i	n	
Heading_1	2		3	7	4	"		W	0	0	d		Т	e	
Heading_2	5	0	0	0		F	u	1	1		s	e	t	Π	
Heading_3	М	e	n	٢	з		С	a	r	d	i	f	f	Π	
URL_1	h	t	t	p	:	1	1	з	h	0	p	p	i	n	
URL_2	h	t	t	p	:	1	1	з	h	0	p	p	i	n	
LIRI 3	h	t	÷	n	•	7	7	q	h	n	n	n	i	n	-
letter															

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Links

1. To incorporate the product Link from the database, right click the Paragraph component and select Add > Link.



2. Select the Variable that references the column containing links to product pages (URL_1 in this example). Click OK and repeat the process for additional URL column references.

Link Segment Properties
Link Style Id Response Tracking
Link
 Constant Variable
URL_1
Display in new browser window
Edit condition <u>O</u> K <u>C</u> ancel

Images

1. To incorporate the Image from the database, right click the Link and select Add image > Image from URL using variable.



2. Select the Variable that contains the Image URL. Click OK and repeat the process for adding other Image columns.

Content Segment Properties	X
Value Style Id Response Tracking	
Variable containing URL IP_1	
Desired Width 0.0 Desired Height 0.0	
Scaling None 💌 🔽 Lock aspect ratio	
Default resolution 0	
Vertical Alignment top	
Enabled for input	
Edit condition QK Car	icel

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Headings

1. To incorporate the Heading information from the database, right click the Paragraph Component and select Add text > Variable value.



2. Select the Variable that contains the Heading value. Click OK and repeat the process for adding other Heading columns.

Content Segment Properties
Value Font Style Id
Variable Heading_1
Vertical Alignment baseline 💌
Enabled for input
Edit condition

Static

Link

Static offers, which refer to proposals which do not make calls to a database, utilize linked information or constant values. Often, this information is displayed conditionally.

1. To add a Link to a particular product, right click the Paragraph component and select Add > Link.



2. Enter the URL for the product's page in the Link field.

Link Seg	ment Prope	ties			×
Link	Style Id	Respons	e Tracking		
Li	ink				
		Consta	nt 🔾 Varia	able	
ht	tp://shoppir	ng.minisoft.	com/sample	/index.p	hp?main_
	Display in I	new brows	er window		
Edit	condition		<u>0</u> K		<u>C</u> ancel

Image from URL

1. To add an Image of a particular product to the Link, right click the Link and select Add image > Image from URL.



2. Enter the URL for the Image in the Image from URL field.

Content Segment Properties	×		
Value Style Id Response Tracking			
Image from URL http://shopping.minisoft.com/sample/images/293			
Desired Width 0.0 Desired Height 0.0			
Scaling None 💌 🗹 Lock aspect ratio			
Default resolution 0			
Vertical Alignment top			
Enabled for input			
Edit condition	incel		

Text Value

1. To add descriptions of a particular product, right click the Paragraph component and select Add text > Text value.



2. Enter a value for the Text field that describes the product. Click OK to complete.

Content Segment Properties	X	
Value Font Style Id		
Text 2 3/4" Wood Tees 100 Count \$6.99		
Vertical Alignment baseline Enabled for input		
Edit condition	<u>C</u> ancel	

Conditional Logic Language

To display certain products conditionally, by day of the week for example, Conditional Logic Language is employed.

1. To conditionally place a product based upon the day of the week, create a Variable By position that will act as the weekday reference.

Variable		×
Name Weekday		
Horizontal position 0.0	Vertical position 0.0	
# of characters 0	Height 0.0	*
	* 0 =	= Form line height
Repeat 1 time(s)	Increment line by	1
Copy original data to output Include variable in XML output		
Use as a bookmark in PDF ou	utput	
	<u>о</u> к	<u>C</u> ancel

2. Right click the Variable and select Add Function > Set value.

∛⊧ Weekday.		P-IIIt Details	
i Custome	Edit		
ili Custome Document T	Add Function	Concatenate	IF
Table	Add Procedure •	Insert string	
Table	Add Rule	Set value	

3. Select the Current Day of Week (Numeric) System variable from the Variable drop-down menu.

Set Value	×
Value:	
 Constant 	
Variable	
Current Day of Week (Numeric)	-
System variables	
N/A	
Page Number	
Current Date (Short)	
Current Date (Medium)	
Current Date (Long)	
Current Day of Week (Numeric)	
Current Day of Week (Short)	▼ Cancel

- 🛉 📄 Paragraph 🙆 Link **•** TotalProduct = 59.99 Sontent 🔁 count = 0.00 🗄 Cell Edit... Þ ct = 59.99 🔶 📄 Paragraph Active Handling = 0.00 E Cell 20 E Paragraph Add AND Condition... > Is equal to е Is not equal to Remove е mt ousion Is less than е • е Is greater than Ŧ Starts with Ends with **FPLUS** Contains
- 4. Right click the Image and select Add AND Condition > Is equal to.

5. Select the Weekday Variable and enter a Constant value of 1. This will ensure that the Image will display if nth instance of the Weekday Variable is equal to the first day of the week.

Data Conditio	on X
	nth 💌 occurrence
of variable	Weekday 👻
	Is equal to 👻
	Constant O Variable
1	
Compa	are as Numeric
	<u>O</u> K <u>C</u> ancel

6. To add another Condition, right click the Condition Group and select Add Conditions > Is equal to.

© Link ← Conte ← C	nt Conditions Edit Conditions I Active Add AND Condition ►	
Paragraph	Add Conditions 🕨	Is equal to
	Is not equal to	
		Is less than
Project eDIRECT PLUS		Is greater than
Wariahlaa		Starts with
		Ends with
Variable CustomerNum_ProductLine & C		Contains

7. Select the Weekday Variable from the drop-down menu and then enter 3 as the Constant value. If nth instance of the Weekday Variable is equal to the third day of the week, then the Image will also display.

Data Conditio	on X
	nth cccurrence
of variable	Weekday 💌
	Is equal to 💌
	Constant O Variable
3	
Compa	are as Numeric
	OK Cancel

8. If it is the first or third day of the week, then this particular image will display. It will not display on other days of the week.



APPENDIX G: Response Tracking

Response measurement is a way to analyze marketing performance in order to make more informed business decisions. When sending an email with eDIRECT+, add a response tracker to a link or image to verify how much traffic it generated.

Response tracking of emails requires four components:

- The eDIRECT+ Agent
- The Web Server
- The Mail Database
- An email containing the tracking information

The SMTP Receive service (Inbound Mail Transfer Agent), which primarily listens for incoming messages such as Delivery Status Notifications, also supports the Response Tracking module inside eDIRECT+ in the event of a reply to an email or a returned Delivery Status Notification such as a read receipt.



To enable response tracking, eFORMz monitors a directory where specified output resides, and then picks up the data and merges it with an HTML document designed with the eFORMz Composer. Within the eFORMz Composer, there are two standard trackers that can then be configured: eDIRECT PLUS Agent - Read Tracking and eDIRECT PLUS Agent - Click Tracking. Read tracking determines if the email was read and counts opens. For example, an image on an email could have read tracking configured for it to count how many times that email was read. Click tracking counts the number of clicks for a link. For example, a link on a transactional email could have response tracking configured to determine if the recipient clicked on that link. Once trackers are configured, the email can be sent. The eDIRECT+ Agent sends an SMTP email to the recipient, which is then opened. Once opened, responses are sent to the Web Server, which counts responses. There are two kinds of responses. One is a request for an image and the other is a request to go to a link. When the Web Server receives a request for an image, it counts the event and then responds with the requested image. When it receives a request to go to a link it counts the event and responds by redirecting to the link.

The Web Server's default context (the part after the address and port in the url) is "tracking". It takes 2 parameters which are "Contentld" and "Counterld". Contentld is generated when the email is originally sent. Counterld is user-defined. The context is used to create a table in the Mail Database that keeps the counts. One table is built for each tracking context to count responses. The table, 'TrackingContexts' contains the Contentld of the email, the Counterld, the date/time of first response, the data/ time of last response, and the response count. The columns are as follows: Contentld, Counterld, first_count, last_update and counter. Analysis of response tracking data is done by querying this table with a third party reporting tool, such as SQL Server Reporting Services.

NOTE: Other configurations can be used to support third party response tracking servers. Contact Minisoft support for more information at support@minisoft.com or (800)682-0200.
Configuring an Email for Response Tracking

For configuring an email for response tracking, a tracker can be put on either image content or links inside of a Document Template. Response tracking configured for an image will cause a request to the server every time that image is displayed. This can be used to count when and how many times an email is read. *eDIRECT PLUS Agent - Read Tracking* would be used in this situation. Response tracking configured for a link will cause a request to the server every time that link is clicked, counting the number of clicks the link receives. *eDIRECT PLUS Agent - Click Tracking* would be used in this situation. Typically, each image and/or link that has response tracking configured will use a different "CounterId" so the specific event can be counted.

To configure an image on a transactional email for *eDIRECT PLUS Agent - Read Tracking*, *right click* the image and select *Edit > Response Tracking*.



The Content Segment Properties dialog box will display. Select *eDIRECT PLUS Agent* - *ReadTracking* from the drop-down menu. Next, enter a constant value for the ContentId parameter, or select a variable value from the drop-down menu.

Content Segment Properties	×
Value Style Id Response Tracking	
Response Tracker eDIRECT PLUS Agent - Click Tracking	
CounterId	
Constant Variable	
Subject_OrderConfirmation	
Edit condition OK	<u>C</u> ancel

TIP: In addition to the image and the email, the Counterld can identify the recipient. To do this, the Counterld would have to contain information on the customer and/or the product. Using a variable value that has the subject line, the order confirmation number or the product item number data could fulfill this requirement.

A link on a transactional email could have response tracking configured to determine if the recipient clicked on a link. To configure an image on a transactional email for *eDIRECT PLUS Agent - Click Tracking, right click* the image and select *Edit > Response Tracking.*



The Content Segment Properties dialog box will display. Select *eDIRECT PLUS Agent* - *Click Tracking* from the drop-down menu. Next, enter a constant value for the ContentId parameter, or select a variable value from the drop-down menu.

Link Segment Properties		
Link Style Id Response Tracking		
Response Tracker eDIRECT PLUS Agent - Click Tracking 👻		
CounterId		
Constant Variable		
Subject_OrderConfirmation		
Edit condition <u>O</u> K <u>C</u> ancel		

TIP: In addition to the link and the email, the Counterld can identify the recipient. To do this, the Counterld would have to contain information on the customer and/or the product. Using a variable value that has the subject line, the order confirmation number or the product item number data could fulfill this requirement. For example, if the link in the email was to a web page for a specific product, the proper naming of the Counterld could show if the email prompted anyone to look at the product and also if the product was ordered by anyone reading the email. The data analysis would consist of comparing the responses for the link to the orders for the product.

Querying Results

To retrieve the counter information, the 'TrackingContexts' table must be queried. For example, as shown above, 'Subject_OrderConfirmation' was the value for ContentId. So, using a SELECT * FROM TrackingContexts WHERE CounterId ='Subject_OrderConfirmation' will show all of the counting results.

These are the tables created and used by the eDIRECT PLUS Agent for response tracking:

TrackingContexts

Contains a row for each tracking context, which contains the context name and a count of the number of emails sent that use that tracking context.

RT_<tracking context name>

One table is built for each tracking context to count responses. The table contains the contentID of the email, the counterID, date/time of first response, data/ time of last response, and the response count.

APPENDIX H: SMS Gateway Configuration

Short Message Service (SMS) is a text messaging service that enables the sending and receiving of messages between mobile phones. A text message can include 160 characters if 7-bit character encoding (Latin characters) is used or 70 characters if 16-bit Unicode UCS2 character encoding is used (non-Latin characters such as Chinese). Sending SMS text messages requires the eFORMz Assembly Engine, the eDIRECT+ SMS Gateway and an SMS Provider.

Configuring the eFORMz Project

The eFORMz Assembly Engine monitors a directory for incoming data generated by a software application and then merges that data with a form or document to be printed, faxed, emailed, archived or outputted as a file. A portion of this data can also be sent as a text message with the eDIRECT+ SMS Gateway process.

1. To configure the eFORMz Assembly Engine, select File > New Project from the eFORMz Composer.

🚡 Minisoft eFORMz Composer (8.04.05), Licensed to Minisoft, eDIRECT PLUS Enabled		
File Project Run Host Tools Window Help		
📂 Open Project		
🖓 New Project		
😡 Save Project	E Viewer	
Save Project As		
🚰 System Properties		
Exit		
Variables Variables		

2. Right click the Project and select Add Page.



3. Select OK to proceed.

Page Properties	×
Page Input XML Input	
Lines per page 0 * * 0 = use formfe for page bre	eed character aks
<u>o</u> k	<u>C</u> ancel

- 🖉 🗹 🖾 A Project A Project . Properties ₽ Add Form.. Add Copy of Form... Insert Page... Rename Remove -• Project eDIRECT PLUS
- 4. Right click the Page and choose the Add Form option.

5. Pick the Blank option.

Source of Form		
 From file Blank 		
<u>OK</u> <u>Cancel</u>		

6. The Form Properties dialog box will display. Click OK to continue.

Form Properties		
General Font Data Suppression Zebra XML HTML Output		
Page Size Letter Form Data Orientation Portrait Top offset 0.0 0.0 Lines per inch 6.000 0.0 0.0		
Data viewer size: Match page size Fixed Width 5760.0 Height 7920.0		
Exclude data Overlay on previous form		
Paper side Next 💌 Source Tray Current 💌		
Suppress output when empty Output Tray Current		
Edit condition QK Cancel		

7. Right click the Project and select Display Forms and Data.



8. Choose the From file option.

×		
Source of data		
From file		
O Test data		
<u>C</u> ancel		

9. Find and open the appropriate data file.

💩 Data file	×
Look <u>I</u> n:	SMS 🔻 🖬 🔂 🖽 🐯 🗁
ecometry_	OrderConfirm.hld
File Name:	ecometry OrderConfirm.hld
Files of <u>T</u> ype:	All Files
	Open Cancel

hinisoft eFORMz Composer (8.04.05), Licer	sed to Minisoft, eDIRECT PLUS Enabled	
File Project Run Host Tools Window	Help	
▶ 😭 😼 🖳 🕐 🔿 🔊 🔍		
A Project	Viewer	Ø
Project	View View View View View View View View	
Blank	🔍 🔍 120 dpi 🔢 🖶 💓 👬 🧁 ecometry_OrderConfirm.hld (= 1 🖨	3702.0:6.0
	TO TEROMINICOET COM	
	TO: EF ZEMINI SOFT. COM	
	FROM:shipping@minisoft.com	
	SUBJECT: Order Number10000000000	
	Dear JOHN SMITH,	
		Þ
Designet aDIDECT DI US		
Project edikect PLUS		
Variables	TO:EFZ@MINISOFT.COM	
	FROM:shipping@minisoft.com	
	SUBJECT:Order NumberT00000060000	
	Dear JOHN SMITH,	
		Þ
		5.000 I 10.00
Diank		
Dialik		

10. The Blank Form and data file will display in the eFORMz Composer.

11. In the top right Viewer window pane, the incoming data from the file will be showing. To take some portion of this file for use in a text message, a Variable can be created. Left mouse click and drag a given string of characters, then right click and select Add Variable.

Viewer	
View 🔻 🚭 Open Data	
🔍 🔍 120 dpi 🔣 🖽 🖽 🔛 ecome	try_OrderConfirm.hld 🔄 1 🖨
TO:EFZ@MINISOFT.COM	
FROM:shipping@minisoft.com SUBJECT:Order Number[700000]	060000
DOOD TOWN SMITH	Add Variable
Dear John Smith,	Add Procedure
Thank you for your recent	Grid
Your order number is T0000	Edit Variable

Variable	×	
Name OrderNumber		
Horizontal position 1440.0	Vertical position 840.0	
# of characters 12	Height 0.0 *	
	* 0 = Form line height	
Repeat 1 time(s)	Increment line by 1	
Copy original data to output	Include variable in XML output	
Use as a bookmark in PDF output		
, <u></u>		

12. The Variable dialog box will display. Enter a name and click OK to continue.

13. Repeat the process with any other desired information from the data file.

Viewer	
View 👻 🚭 Open Data	
🔍 🔍 120 dpi 🔢 🖽 🛃 🕴 ecor	netry_OrderConfirm.hld 🔄 1 🖨
FROM:shipping@minisoft.co	m
SUBJECT:Order NumberT0000	0060000
Dear JOHN SMITH,	
Thank you for your recent	order!
Your order number is T000	00060000
er an	Add Variable
Your order information is	Add Procedure P DOTT
	Grid
FROM:shipping@minisoft.co	m Edit Variable
SOBORCI:OLGEL MUMBEL	
Variable	×
Name OrderMessage	
Horizontal position 0.0 Vertical position 15	560.0
# of characters 33 Height 0.1	0 *
* 0	= Form line height
Repeat 1 time(s) Increment line b	y 1
Copy original data to output 🗌 Include var	iable in XML output
Use as a bookmark in PDF output	
ок	Cancel

14. To add information from a database lookup, such as a phone number, Right click the Form and select Add Variable > By position.



Variable	X	
Name Lookup		
Horizontal position 0.0	Vertical position 0.0	
# of characters 0	Height 0.0 *	
	* 0 = Form line height	
Repeat 1 time(s)	Increment line by 1	
Copy original data to output	Include variable in XML output	
Use as a bookmark in PDF output		
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15. The Variable dialog box will display. Enter a name and click OK to proceed.

16. Right click the Variable and select Add Function > SQL Lookup.



17. Select the Database, enter an SQL Statement and assign any Parameters or Columns as necessary to return the necessary information.

💩 SQL Lookup		X	
Database	aspen	-	
SQL Statemen	t:		
Constant	select number from lookup where id = ?		
O Variable	Form 1 variables	-	
Parameters			
OrderNumber		Add	
		Remove	
		Move up	
		Move down	
-Additional colu	mns assigned to.		
		Add	
		Remove	
		Move up	
		Move down	
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NOTE: To add a database, right click the Project and select Properties > Databases. For more on databases, see the Table Lookup and SQL Lookup parts of the Variable Functions section of Chapter 5: eFORMz Composer Data Customization in the eFORMz/eDIRECT Manual. This is available online at: http://www.minisoft.com/pages/ general/manuals/manuals.html 18. For purposes of testing, setting the Variable that returns database information as a constant phone number is recommended. Right click the Variable and select Add Function > Set Value.



19. Enter a test phone number in the Value field as a Constant.

Set Value	×
Value:	
Constant	
1112223344	
○ Variable	
Form 1 variables	- 💌
 Image from Project 	
Image	-
 Image from File 	
File Name	
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Sending the Text Message

Processing w/eDIRECT+

To send the text message:

1. From the Project window, switch to the eDIRECT PLUS tab. Right click in the window and select Add Output > SMS.





2. Right click the SMS icon and select Add Provider > CDYNE SMS.

NOTE: Minisoft recommends three SMS Providers: **CDYNE** (http://www.cdyne.com/), **DialMyCalls** (http://www.dialmycalls.com/) and **SendHub** (https://www.sendhub.com/). To learn more about the listed recommendations, it is suggested that their websites be visited for comparison purposes. If a different third party SMS Provider is being used, contact our support team at support@minisoft.com.

3. The CDYNE SMS dialog box will display. In the Number field, select the Variable that contains or returns the phone number information.

CDYNE SMS			×
SMS CDYNE			
number			
	 Constant 	Variable	
lookup			-
Form 1 message OrderNumb lookup	variables		
	Constant	O Variable	
APIKEY	Constant	○ Variable	
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4. In the Message field, select the Variable that contains or returns the message to be sent or enter a Constant value.

CDYNE SMS			×
SMS CDYNE			
number			
	Constant	Variable	
lookup			-
-message-			
	Constant	Variable	
message			-
Form 1	variables		
message			
OrderNumb	er		
lookup			
APIKEY			
	Constant	🔾 Variable	
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5. Enter the URL and the API Key provided by the SMS Provider in their respective fields. Click OK when complete.

CDYNE SMS			×
SMS CDYNE			
number			
	Constant	Variab	le
lookup			-
message			
	 Constant 	Variab	le
message			-
URL			
	Constant	🔾 Variab	le
http://sms2.	cdyne.com/sms	.svc/Simple	SMSsend
APIKEY			
	Constant	🔾 Variab	le
3E04E1A0-89F9-4BB0-BD45-96E9A798E50B			
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6. Navigate to the eFORMz Main Menu and select Run > Process w/eDIRECT PLUS.



7. The SMS text message will be sent.

