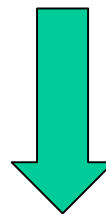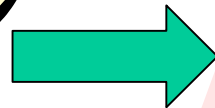# VSE2PDF

Tony Thigpen

Thigpen Enterprises, Inc
Tony@VSE2PDF.com

Today's Report Flow

- MIS runs the job
- MIS prints the report
- MIS bundles and sends the report to the user
- The mailroom staff carries the reports to the user
- The user may review one page or two
- User 'files' the report in the recycling bin

The Future of Report Flow is now here

- MIS runs the job
- The user receives the report immediately via email
- The user reviews the report
- The user prints the pages he needs
- The user archives the report
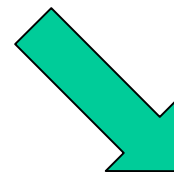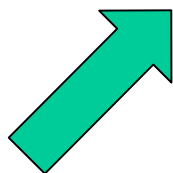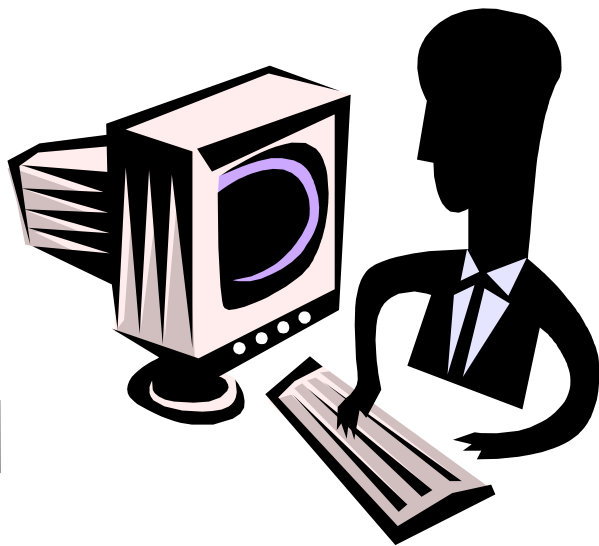
You Have Mail

How VSE2PDF works

- VSE2PDF reformats the report
- VSE2PDF contacts an external SMTP mail host
- VSE2PDF sends the file to the SMTP mail host
- The SMTP mail host forwards the email to the end-users email server
- The end-user then receives the report as a PDF formatted email attachment

Document Delivery

- Email attachment
  - RFC standard MIME format
  - Multiple recipients (up to 200)
- FTP
  - Delivery to any RFC compliant FTP server
- VSE Librarian
  - Stored in a VSE library.sublibrary in ASCII
- Printers
  - LPR or Direct ports
- User exit

W2 EXAMPLE - Message (Plain Text)

File Edit View Insert Format Tools Actions Help

Reply | Reply to All | Forward

From: TTHIGPEN@MAIL.VOLUSIA.K12.FL.US   Sent: None
To: TONY@VSE2PDF.COM
Cc:
Subject: W2 EXAMPLE

Output from Job LIBR9 35089 20001002 111455

W2.PDF
(21KB)

a Control number		OMB No. 1545-0008	

b Employer identification number	1 Wages, tips, other compensation	2 Federal income tax withheld
12-56789012	62,345.98	20,332.12

c Employer's name, address, and ZIP code	3 Social security wages	4 Social security tax withheld
JOE GOFER	62,345.98	3,973.76
101 MAIN STREET	5 Medicare wages and tips	6 Medicare tax withheld
MUDTOWN, WI 98765-4321	62,345.90	1,674.11
	7 Social security tips	8 Allocated tips
	0.00	0.00

d Employee's social security number	9 Advance EIC payment	10 Dependent care benefits
999-55-4321	0.00	0.00

e Employee's name, address, and ZIP code	11 Nonqualified plans	12 Benefits included in box 1
BUBBA'S SWEAT SHOP	0.00	0.00
9876 COUNTY ROAD G	13 See instrs. for box 13	14 Other
MUDTOWN, WI 98765-1234		

15 Statutory employee	Deceased	Pension plan	Legal rep.	Deferred compensation
☐	☐	☐	☐	☐

16 State	Employer's state I.D. no.	17 State wages, tips, etc.	18 State income tax	19 Locality name	20 Local wages, tips, etc.	21 Local income tax
WI	12-56789012	62,345.98	0.00			

Form W-2 **Wage and Tax Statement** **1998**

Copy B To Be Filed With Employee's FEDERAL Tax Return

Department of the Treasury—Internal Revenue Service

This information is being furnished to the Internal Revenue Service.

PDF

- Advantages:
  - Free viewer
  - PDF is the de-facto document standard
  - Font is guaranteed
  - Page layout is guaranteed
  - 'From page' 'to page' printing available
  - Viewed output is fully WYSIWYG

PDF

- Overlays (Form Definitions)
  - Static Data on every page
  - Graphics and Logos
  - Generated from PC PDF documents
    - Available on the Internet (IRS Forms, Invoices, etc.)
    - Using Adobe software
    - Graphic design companies
  - Stored in VSE LIBR members

TEXT

- Advantages:
  - No viewer required
  - Very basic
- Disadvantages:
  - No font guarantee
  - No page layout guarantee
  - Receiver can easily modify/falsify

Benefits

- Users receive report as soon as possible without waiting for actual printing
- Users can review for errors before printing
- Users can print only selected pages
- User can print extra copies as needed
- No more 'Where is my report?' calls
- User can do their own archiving

ROI

- Paper Cost
  - $20.00 box when buying in bulk
    - 10 reams at 500 sheets per ream
    - $0.40 per 100 pages
- Toner Cost
  - ??????

ROI

- Operations Cost
  - $15.00/hour (+ benefits)
    - $0.50 per report to grab, tag, and put in outbound (2 minutes per report)
- Mailroom Costs
  - $15.00/hour (+ benefits)
    - $0.50 per report (2 minutes per report)
- Transportation costs
  - ??????
- One company placed the cost at 10 minutes per report

ROI

- For an average 100 page report
  - Paper $0.40
  - Operations $0.50
  - Mailroom $0.50
  - Total $1.40

ROI

- Just 20 "average" reports each work day (the first year) will pay for the initial product purchase
- Just 3 "average" reports each work day (after the first year) will pay for the product maintenance charge

Real World ROI

- Steel Heddle Manufacturing (in 2000)
  - Modified 133 jobs over a 100 day period
  - Tracked paper costs before conversion
  - Annual savings of 107 boxes (just under 300,000 sheets)
  - $3,662.11 yearly savings in paper alone
  - Over 10,000 copies no longer handled
  - 42 man weeks of time savings (@10 min/copy)

Real World ROI

- One company found their Fiche provider was no longer going to perform that function

- Installed VSE2PDF and burned CDs each day for historical research

- Recovered the cost of VSE2PDF in less than 1 month

Everyone wants to look good

- When was the last time you heard:
  - "The xyz department receives much better looking reports from their ABC software running on Windows yet our reports are plain and hard to read. Is it because we run on that old mainframe?"
  - "You need to move off that old mainframe and onto our servers. That way we can let you print your own reports."

Basic Uses

- Large, daily report "management copies"
- Remote sites
- Management "special" and "ad-hoc" reports
- Archival copies
- Highlighting of totals

Advanced Items

- Overlays
  - Logos on internal reports
- Watermarks
  - Confidentiality text
- Bookmarks/Indexes
- Large Monthly/Quarterly/Annual Reports
- Reprint storage

Wiz-Bang

- Individual emailed invoices to customers
- Individual "check is in the mail" notices to vendors
- Payroll "direct deposit" notices
- COLD storage
- Email reports to PDAs including advanced cell phones

Now that we have VSE2PDF…

- Compiles
  - Programmers working from home
  - Off-platform source storage
  - Archives
    - How many shops have to recompile and recreate a crash just to be able to debug an application abend?
- PRINTLOG
- Stats archival
  - CICS/DMF
  - Performance Monitor

VSE2PDF/Secure

- Internal PDF encryption using a 128 bit key
- HIPAA (Health Insurance Portability and Accountability Act)
- Protection from unauthorized update
- Non-exportable to some countries
- Separately priced feature

VSE2PDF/DJDE

- Interprets in-stream Xerox DJDE statements
- This feature will be updated as User needs dictate
- Currently supports
  - $$START, END
  - FONTINDEX, FONTS, FORM
  - BEGIN, SIDE
- Separately prices feature

What do shops need?

- PDF/X
- Real ".ZIP" format?
- Xerox %XRX?
- AFP?
- ????????