IBM eServer™ iSeries™

Session:

Infoprint Designer for iSeries-- Integrated Document Design

Glenn Rose
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Printing and e-output

400 CPU Parkway • Vegetation, NJ 55090 • Office: 555.499.2367 • Fax: 555.415.9794

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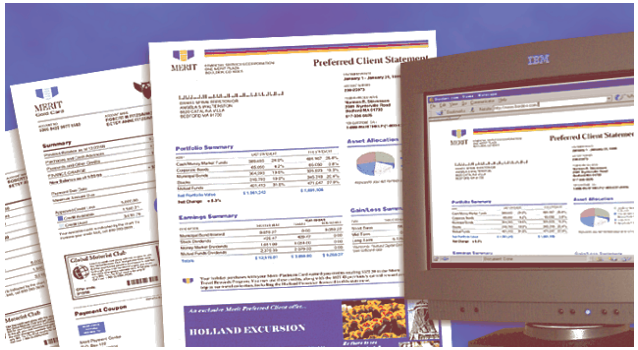
Ship Via:	BEST WAY	Shipped Date:	3/26/01	Terms:	NET 30	Salesman:	YOUR PRINTER REP

QTY	UOM	ITEM #	DESCRIPTION	PRICE	EXTENSION
1	CT	00000300	HIGH ALTITUDE WATERMELON	1.01	1.01
1	PK	01100517	SPARTAN SEEDS	2.39	2.39
9	PK	04569870	NORTHERN LITE BLUE SPRUCE	858.32	7,724.88
12	BX	11005004	BUSH GREEN SEEDS	2.50	30.00

create an
electronic document

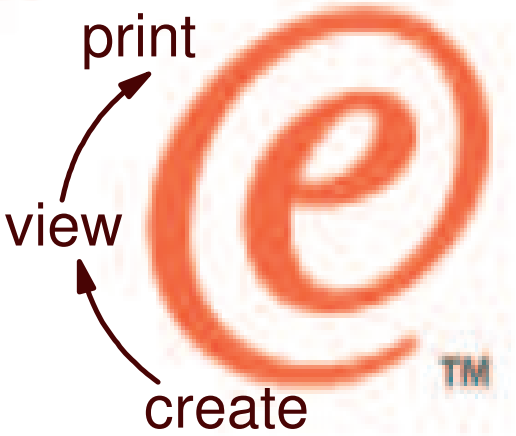
Printing and e-output



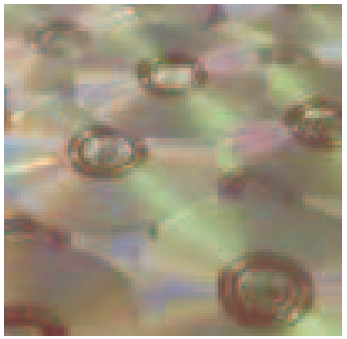
view

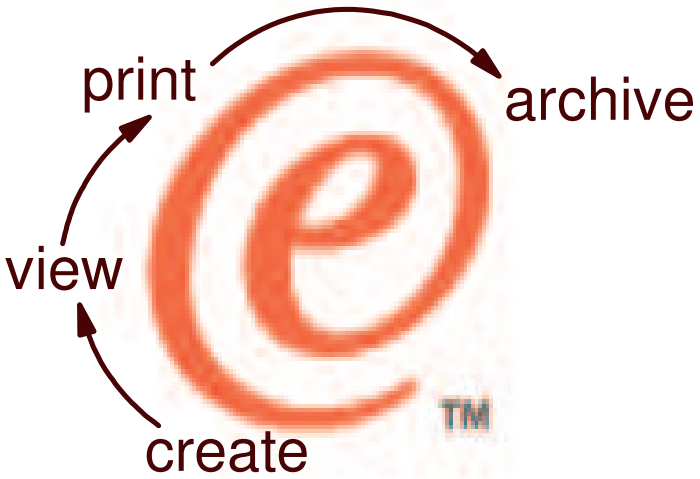
create

Printing and e-output

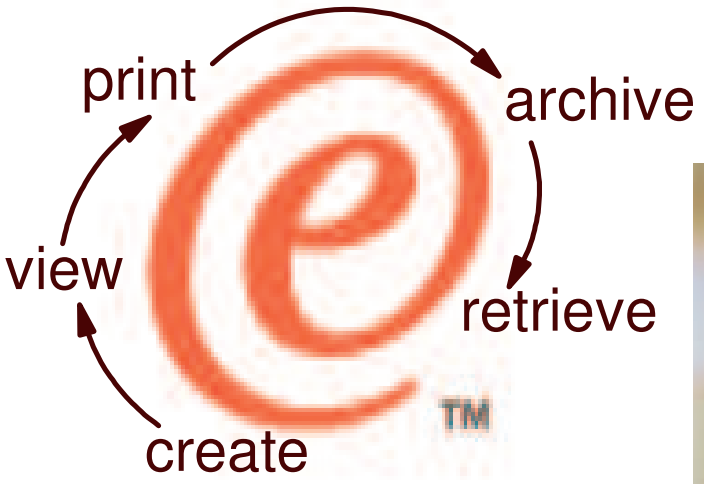


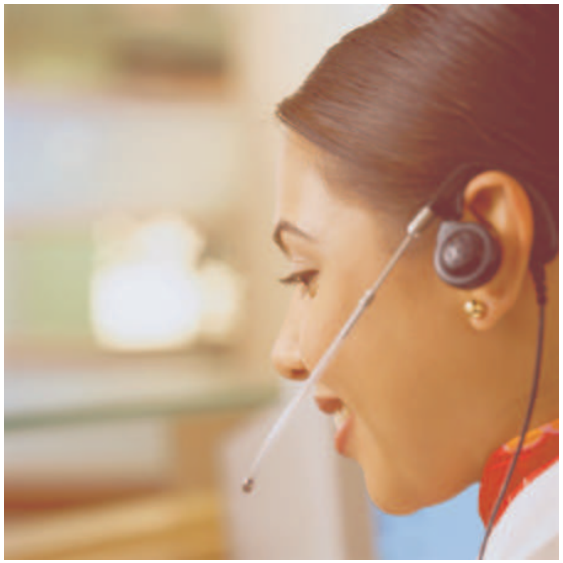
Printing and e-output



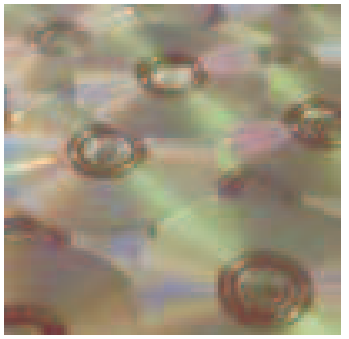


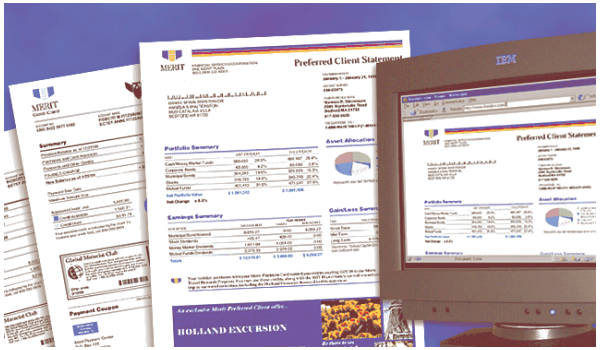
Printing and e-output

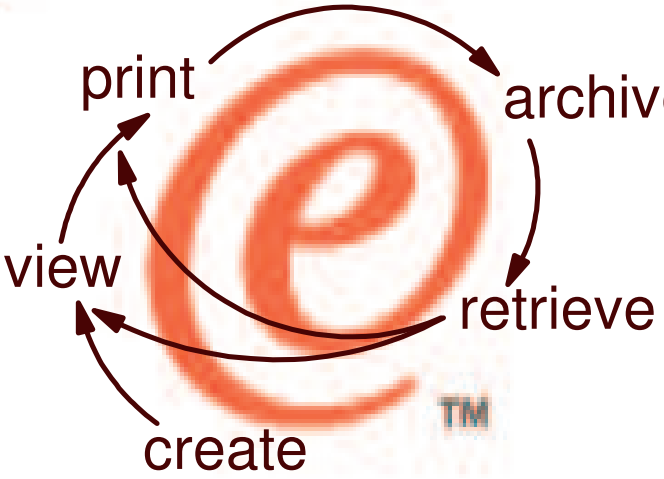


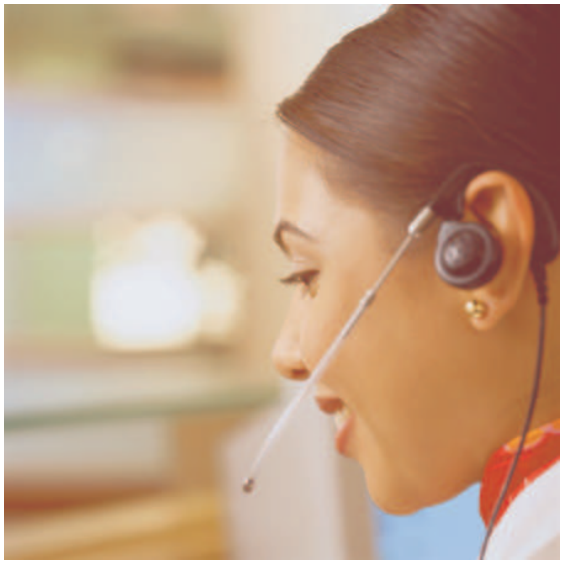


Printing and e-output









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It all starts with . . .

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create an
electronic document

Defining "e-Output"

- E-business is changing the face of business communications
  - Traditional information methodology has been "print and distribute"
  - Networks, Internet, and electronic documents are transforming this methodology
  - Electronic documents mean:
    - Tie to preprinted form is broken
    - Flexibility in content
    - Flexibility in delivery
  - Networks and Internet drives e-business process re-engineering
    - Printing, if required, must take place later in the flow
    - Electronic documents and reports can flow as the process requires
- The output of e-business - "e-business output"
  - Ability to create fully electronic pages of information and deliver them to the desired destination in the desired format

Electronic Documents: ROI

- The costs of preprinted forms
- Operational costs of managing and printing with preprinted forms
- Requirements from customers or suppliers, for example, the need to generate bar-coding on documents.
- Need for more effective documents
- Frequent changes in document content
- Your competitors are far ahead in document content, effectiveness, and process -- this is starting to affect sales.
- Electronic documents needed to support e-business reengineering
- Impact on application code of frequent document changes

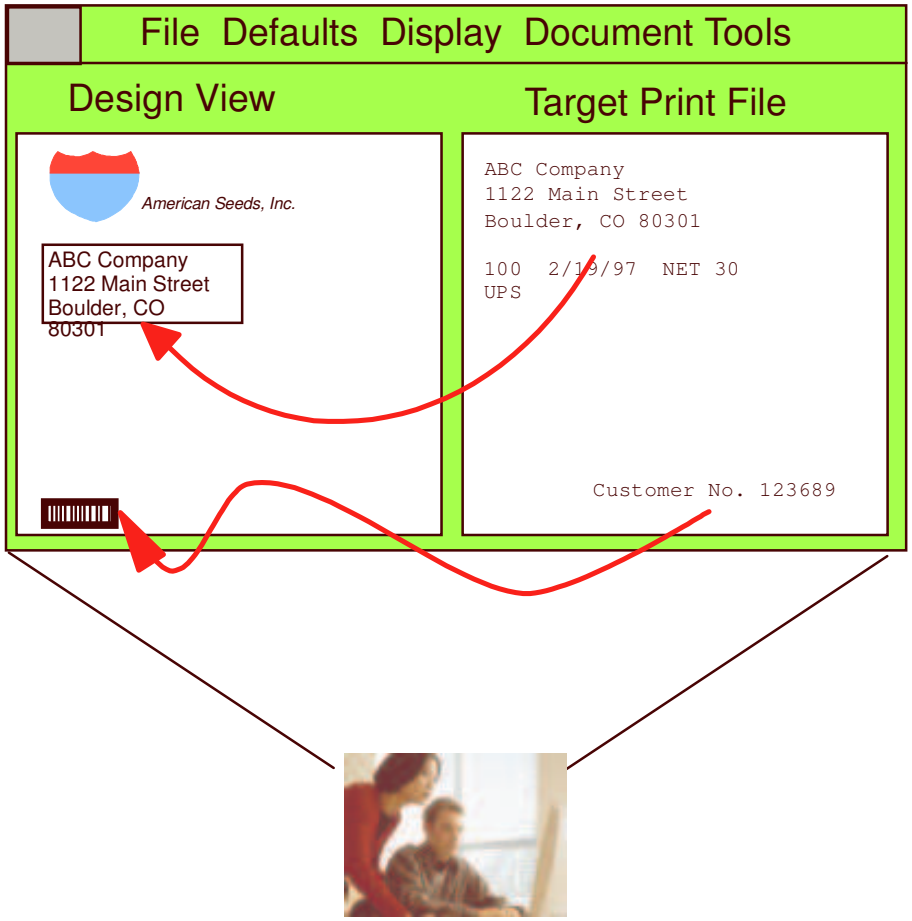
Electronic Delivery: ROI

- Offset of printing costs
- Increased productivity, service level with decreased cycle time
- Expanded options with electronic documents/reports
  - Additional delivery (ie. forwarding)
  - Indexing and search options
- Opportunity for new applications
  - ie. electronic bill payment
- Expanded customer set, revenues with competitive advantage

Infoprint Designer

Product Summary

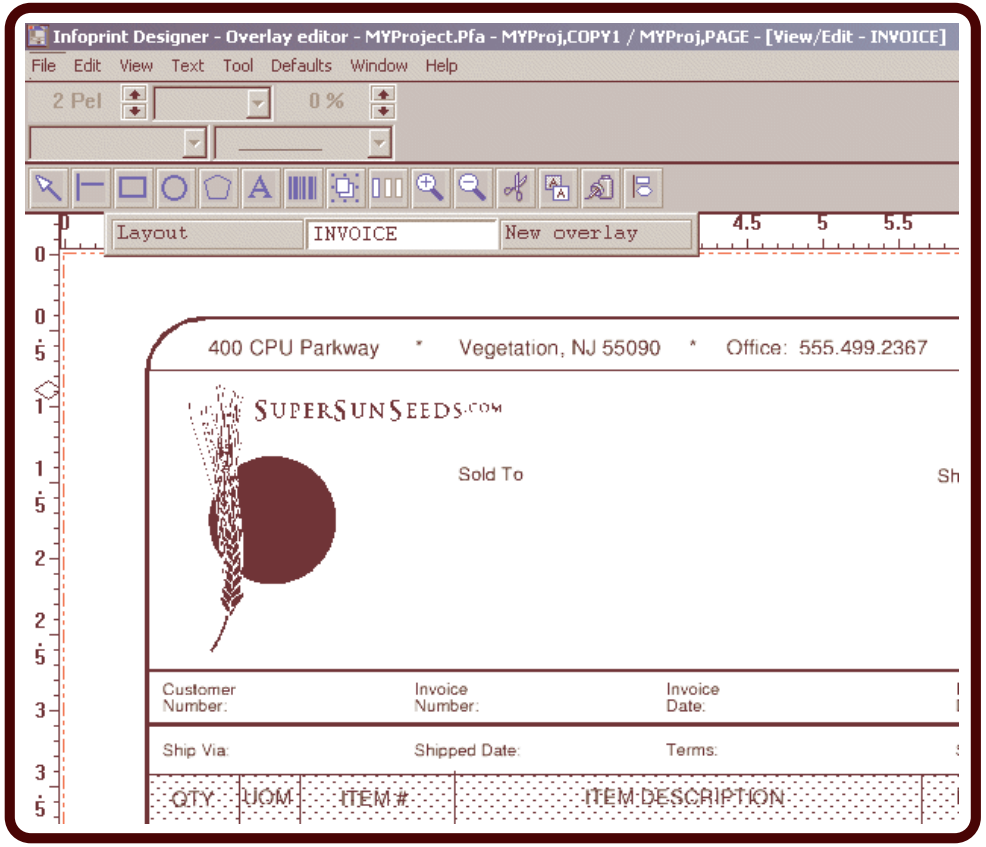
- State of the art design front-end to the robust, integrated AFP/IPDS print/presentation subsystem on iSeries-AS/400, geared for the non-technical user



Key Features

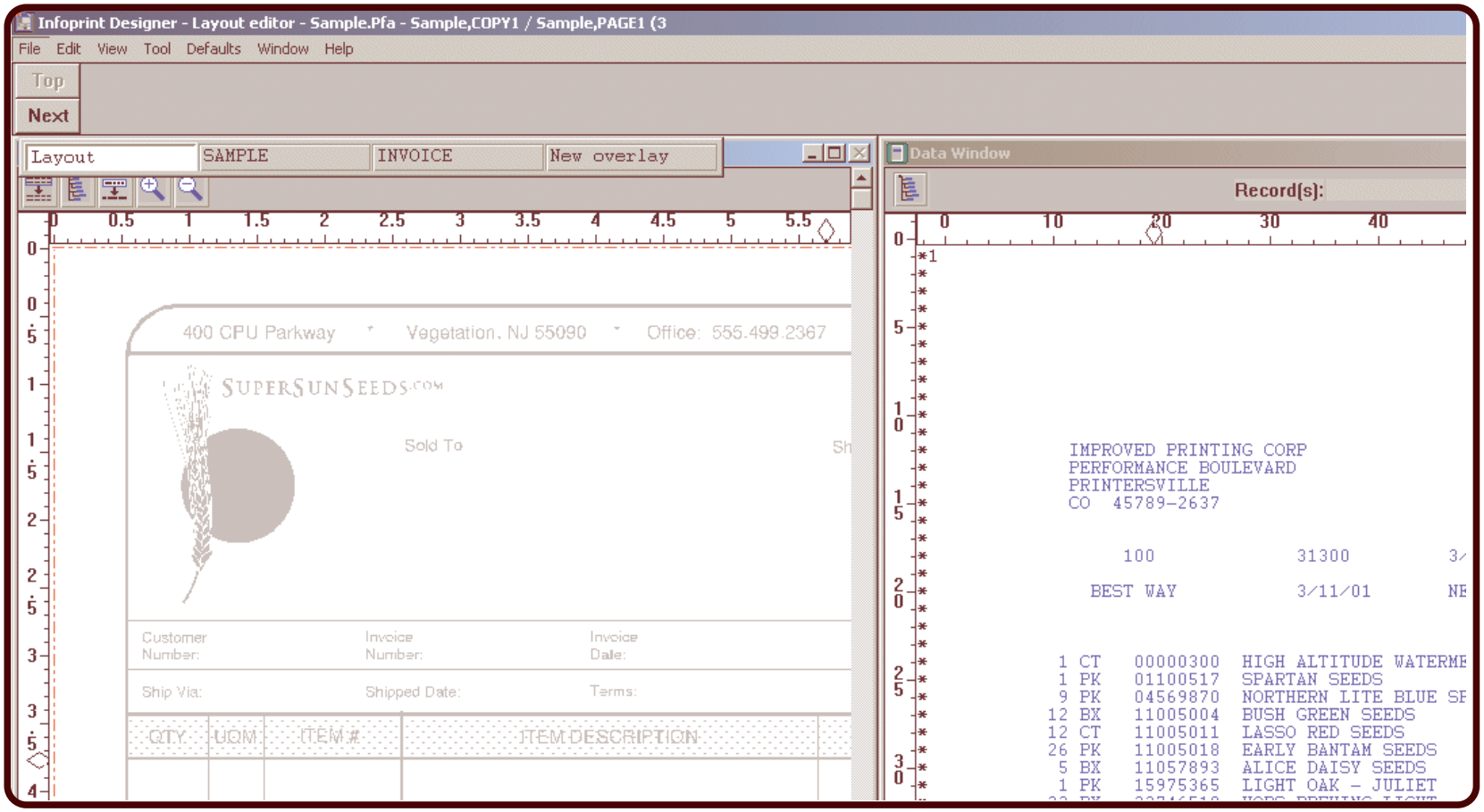
- **Overlay Design** editor for designing electronic forms
- **Image Design** editor for designing images
- **Layout Design** editor for designing the entire print application
- Creates standard OS/400 print resources
- Integrated for design
- Integrated for production
- Professional, high-precision system geared to the demands of business
- Output redesign without application changes
- AFP Font Collection fonts built in
- Product ID 5733-ID1
- OS/400 V4R5 required

Overlay Editor



Layout Editor

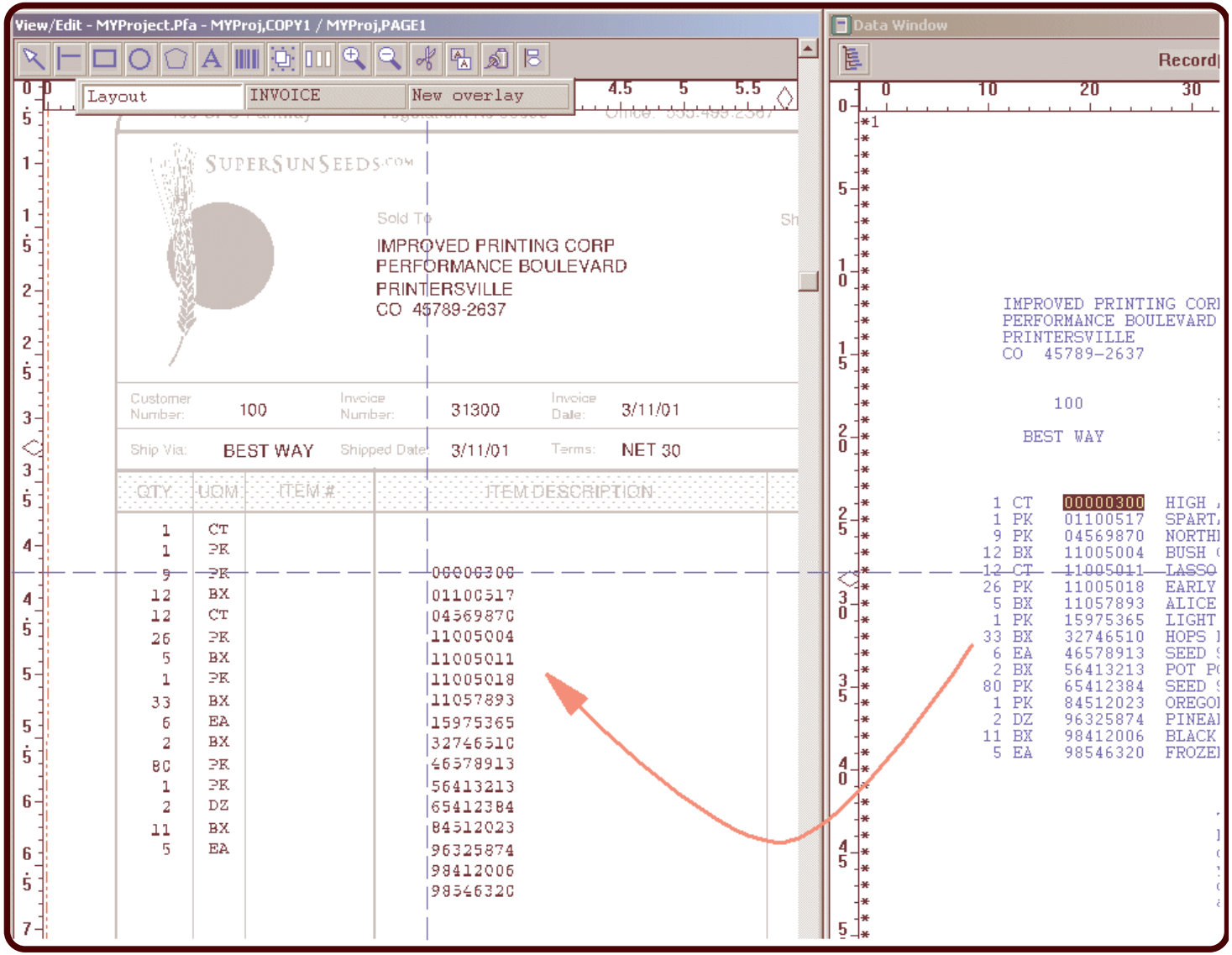
Overlay in background - data to be mapped in the Data Window



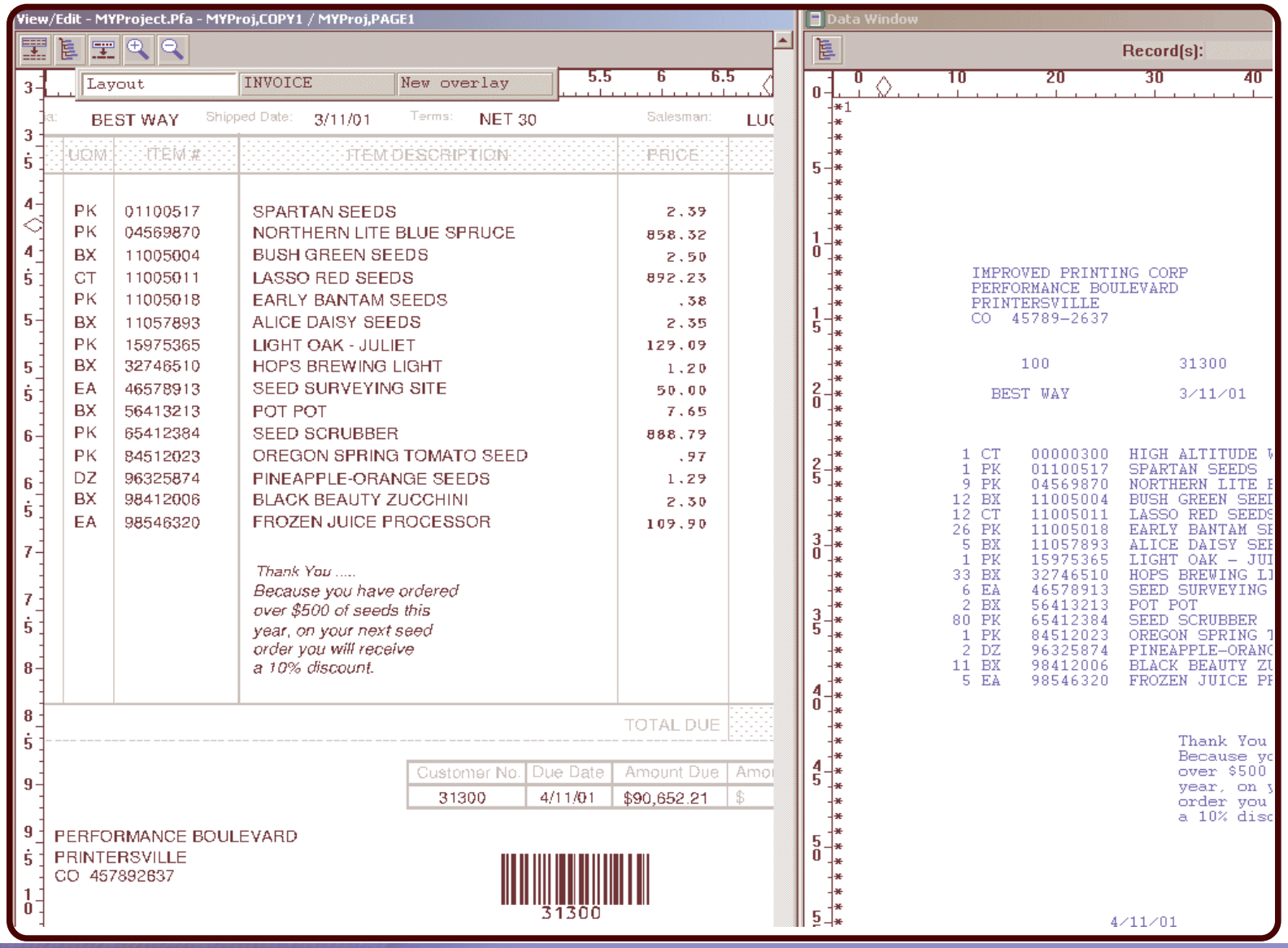
Layout Editor - drag and drop data mapping

Drag and drop individual fields, lines, etc.

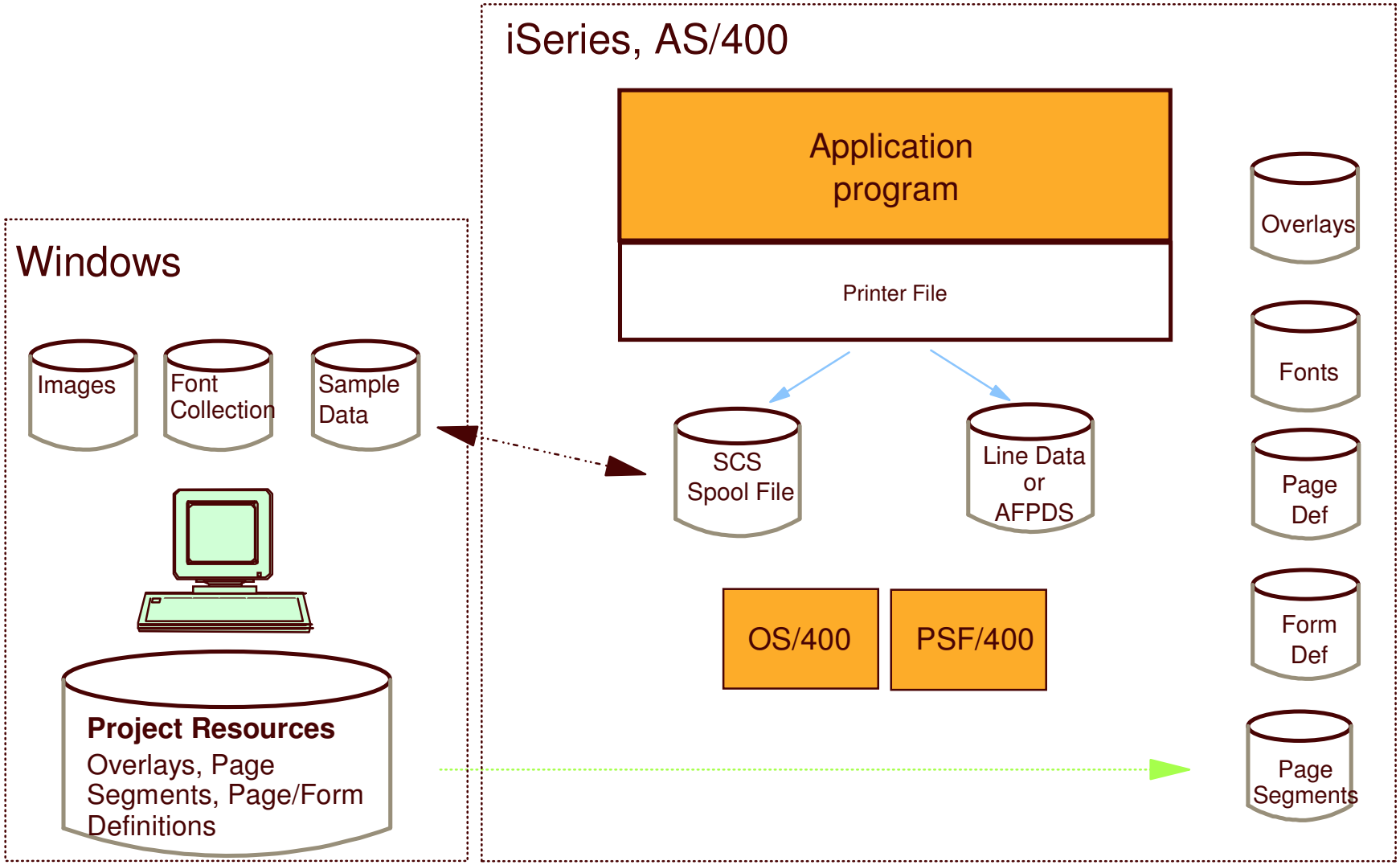
as required



Completed application



Infoprint Designer Schematic



Page Definition

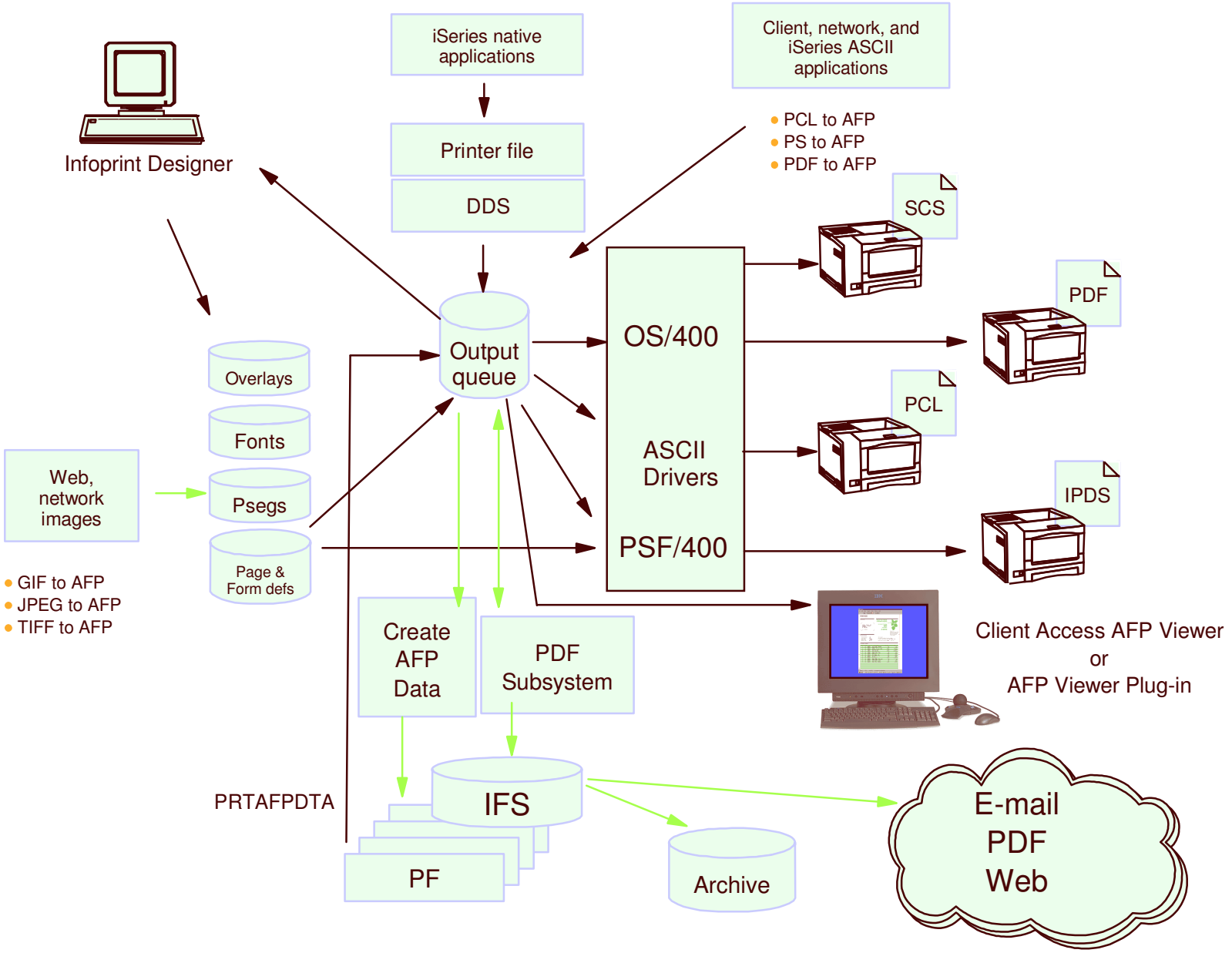
```
PAGEDEF BASIC

FONT H0F0 H0F0 HEIGHT 11;
FONT H010 H010 HEIGHT 10;
FONT 5010 5010 HEIGHT 10;
FONT FNT#1 H0E0 HEIGHT 5;

PAGEFORMAT PAGE1
            WIDTH  8.50 IN
            HEIGHT  11.00 IN ;
  PRINTLINE
     CHANNEL 1
     POSITION SAME NEXT ;
   FIELD START 1 LENGTH 80
     POSITION CURRENT CURRENT
     SUPPRESSION DFLT;
  PRINTLINE
     POSITION SAME NEXT ;
   FIELD START 1 LENGTH 80
     POSITION CURRENT CURRENT
     SUPPRESSION DFLT;
   FIELD START 12 LENGTH 25
     FONT H0F0
     POSITION  616.00 PELS -65.00 PELS ;
   FIELD START 48 LENGTH 25
     FONT H0F0
     POSITION  1379.00 PELS -65.00 PELS ;
```

```
   FIELD
     FONT FNT#1
     POSITION  0.51 IN  8.28 IN
     DIRECTION UP
     TEXT C (5)
      'BASIC';
```

Form Definition

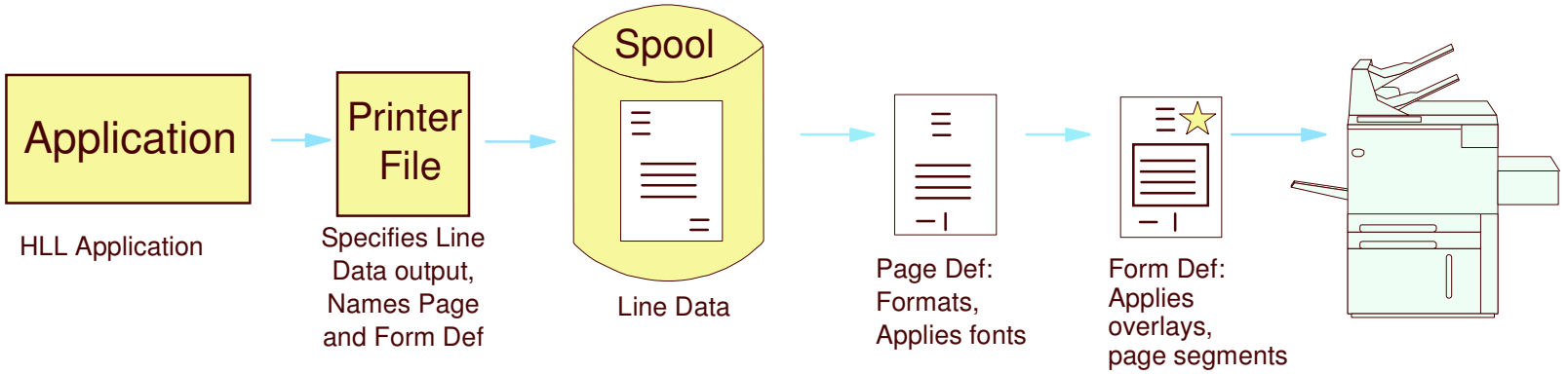
```
FORMDEF BASIC
      OFFSET  0.00 MM   0.00 MM
      REPLACE YES;
 SUPPRESSION DFLT;

 COPYGROUP COPY1;
  OVERLAY INVOIC INVOIC ;
  SUBGROUP
      OVERLAY
       INVOIC
      SUPPRESSION
       DFLT;
COPYGROUP COPY2;
  OVERLAY PACKING PACKING ;
  SUBGROUP
      OVERLAY
       PACKING
      SUPPRESSION
       DFLT;
```

Infoprint Designer in the output flow

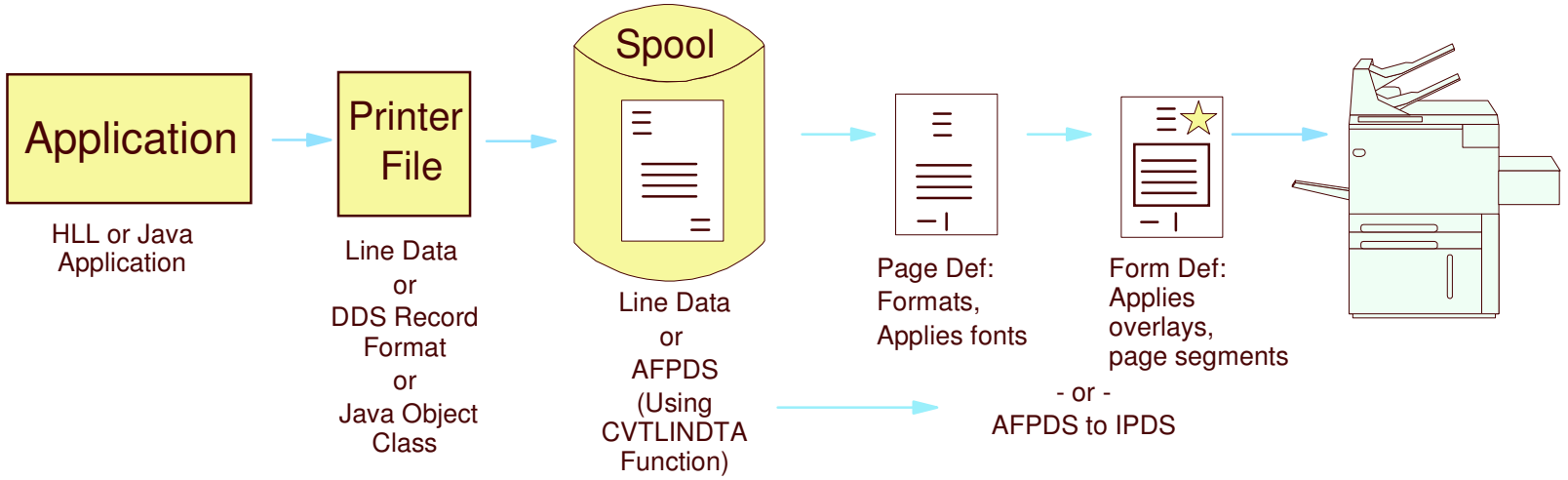


Page/Form Definition Flow

Before V5



With V5



Convert Line Data (CVTLINDTA)

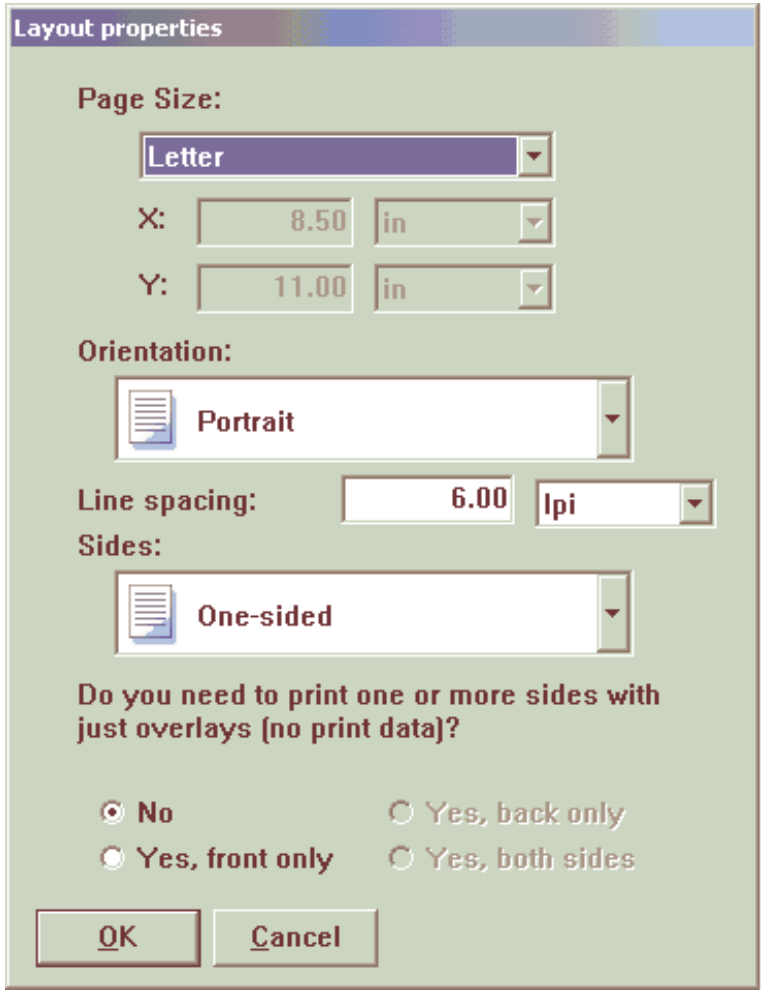
```
                        Create Printer File (CRTPRTF)

Type choices, press Enter.

Back side overlay:
  Overlay  . . . . . . . . . . .   *FRONTOVL     Name, *FRONTOVL, *NONE
    Library  . . . . . . . . . .                 Name, *LIBL, *CURLIB
  Offset down  . . . . . . . . .                 0-57.790
  Offset across  . . . . . . . .                 0-57.790
  Constant back  . . . . . . . .                 *NOCONSTANT, *CONSTANT
Convert line data  . . . . . . .   *NO           *NO, *YES
IPDS pass through  . . . . . . .   *DEVD         *DEVD, *NO, *YES
User resource library list . . .   *DEVD         Name, *DEVD, *NONE...
               + for more values
Corner staple  . . . . . . . . .   *NONE         *NONE, *BOTRIGHT...




                                                                    More...
F3=Exit    F4=Prompt    F5=Refresh    F12=Cancel    F13=How to use this display
F24=More keys
```

- Infoprint Designer supported at V4R5 and later
- Convert Line Data is V5R1
- CVTLINDTA enables PCL and viewing functions

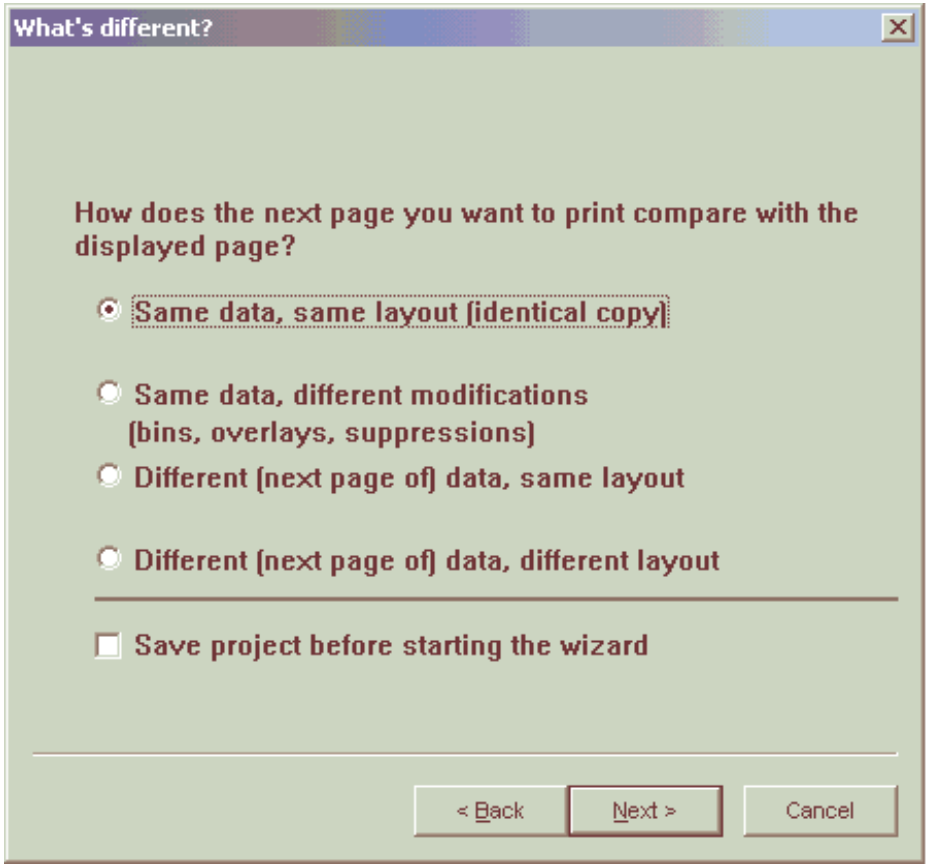
Infoprint Designer Enhancements

- 2D Barcode
  - UPS Maxicode, PDF417, & Datamatrix
- National language support
- Finishing by sub-document or group
- Expanded design samples
- MICR fonts
- Design Wizard

Design Wizard



Design Wizard



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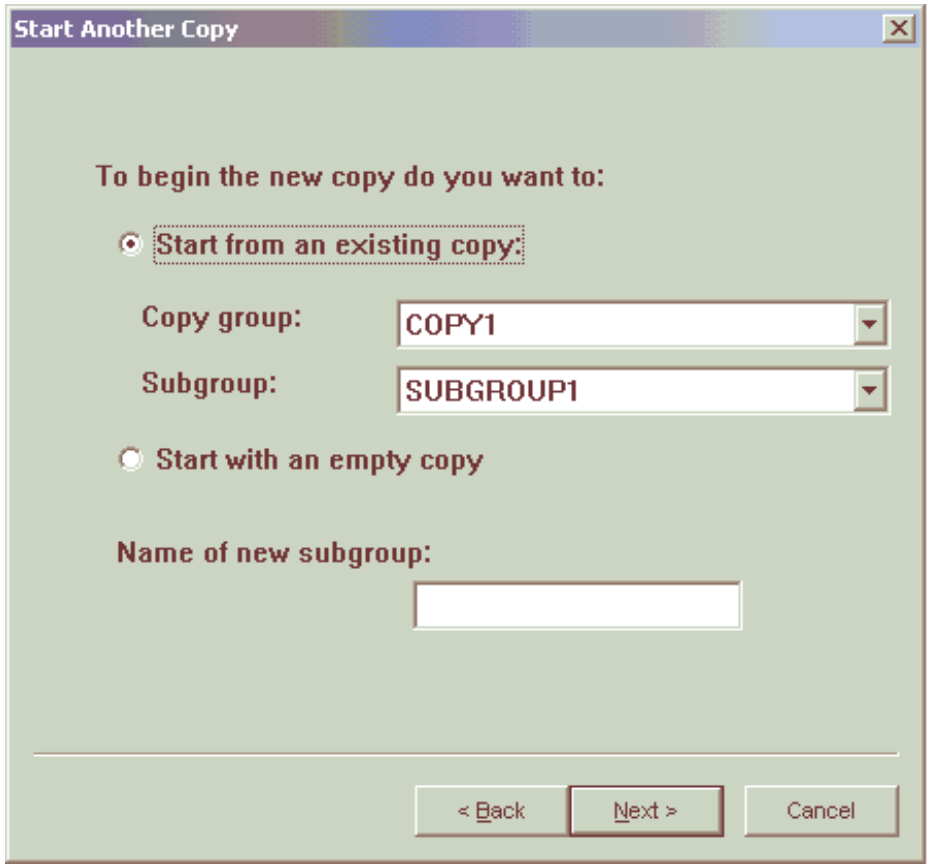

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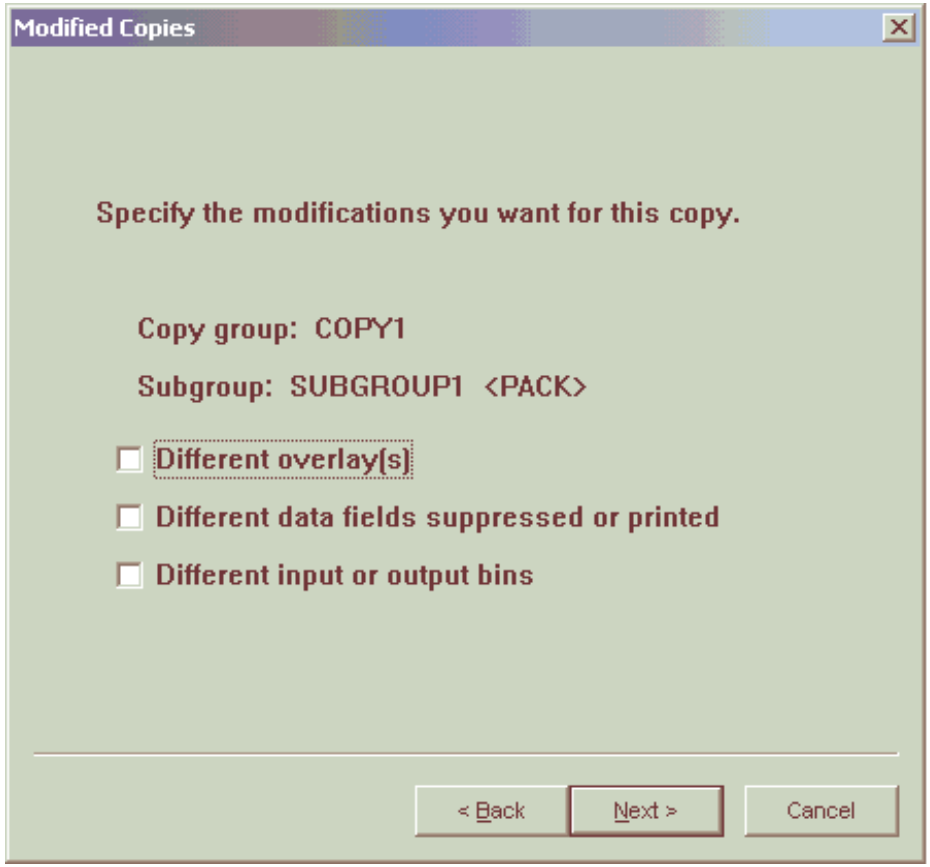
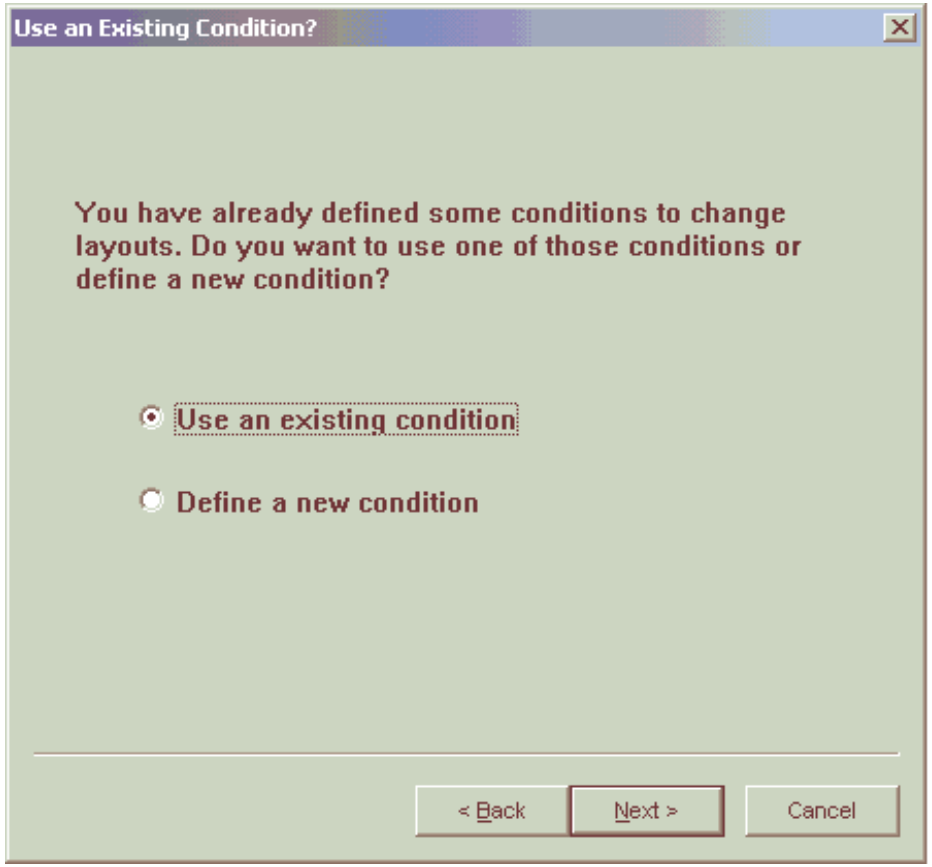


Design Wizard

Design Wizard



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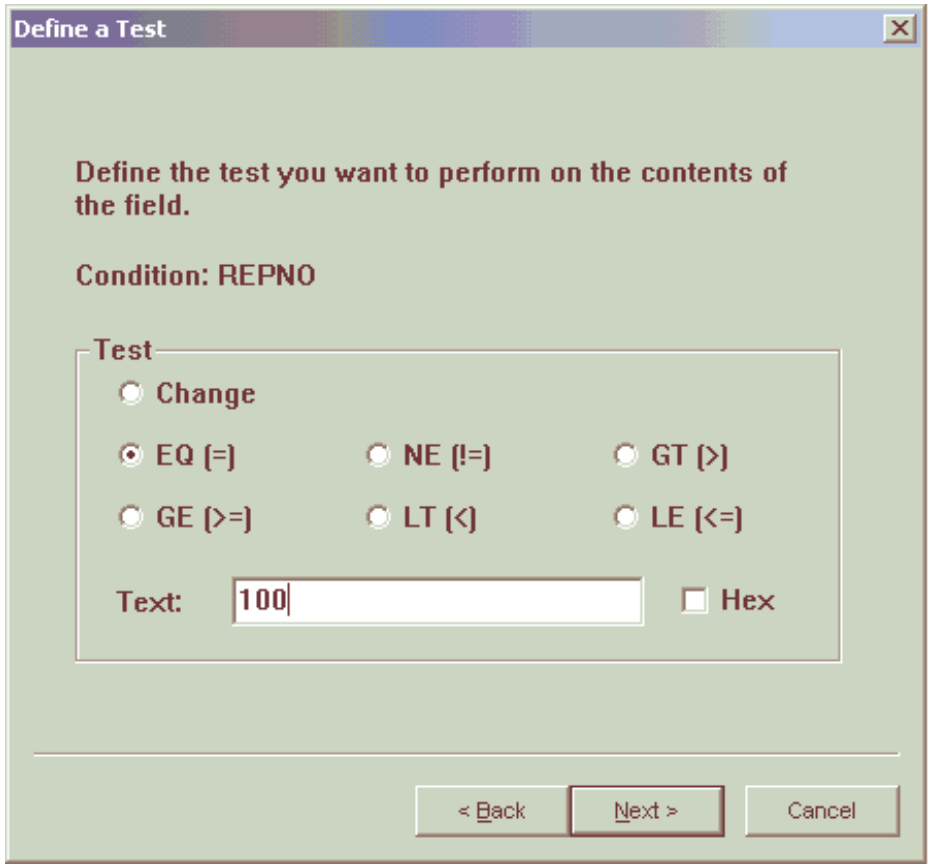

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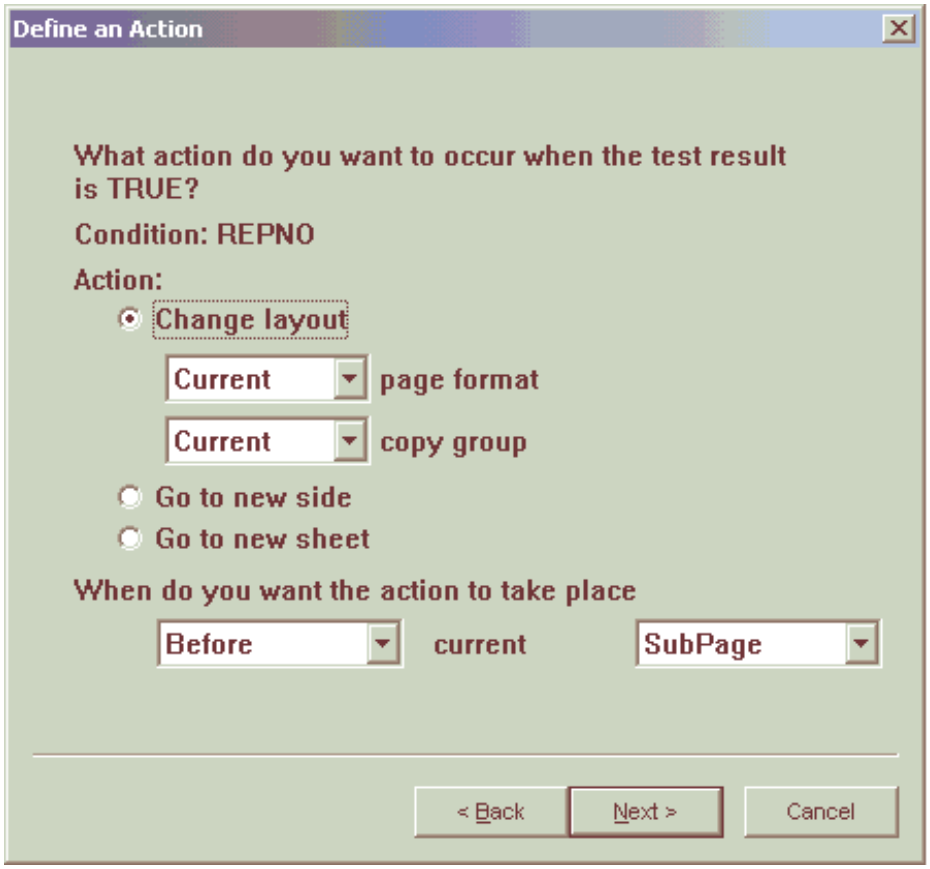


PTF Information

Product	PTF # *	Comments
5733-ID1	SF67719	Infoprint Designer V1.13 (PTFs now available electronically)
5722-SS1	SI02688	Allows printing of Designer output to HPT / PCL printers. (Finds external form def and honours suppression.)
5722-XE1	SI02795	Service Pack 3 for Client Access. Allows viewing of spooled files using CVTLINDTA. (It finds external form definitions.)

Links to iSeries Knowledge Base can be found at:

`http://www.printers.ibm.com/R5PSC.NSF/Web/psf400`

Infoprint Designer PTF's are currently on the V4Rxx page for TCP/LAN Printing.

*Always check with IBM Support for superseded PTF's.

Getting Started

- iSeries printing and e-output web site:
  - www.ibm.com/eserver/iseries/printing
- Infoprint Designer Demo CD
  - Request at above web site
- Reference:
  - Getting Started with Infoprint Designer
  - iSeries Printing Redbook VI
  - iSeries Guide to Output
- Education:
  - Infoprint Designer University - K2516 - check www.ibm.com/services/learning/us for course details, availability
  - Series Printing Jumpstart (303 924 6700)
  - Certified iSeries Output Business Partners - 800 358 6661

Infoprint Designer Advantages

- Complete design system -- image, forms, variable data layout
- Produces AFP pages
- Designed for non-technical user
- Tight integration with iSeries during design
- Runtime is built into OS/400 architecture
- No print monitor, print server required
- Standard IBM support

Functional Specs

Overlay Editor

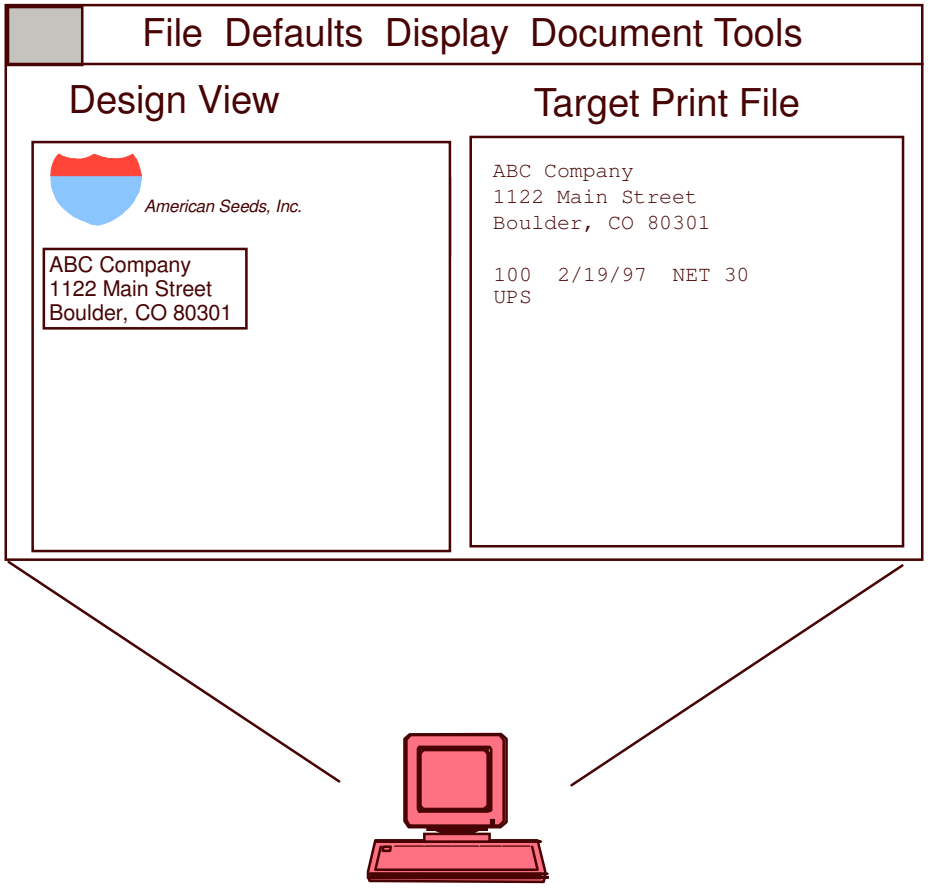
- Display and edit multiple overlays within an application project
- Create lines, boxes, and circles in solid, dashed, or dotted styles
- Shading, diagonals, and rounded corners for box elements
- Place text standalone or control the exact flow and alignment of text by anchoring the text in an invisible box
- Add bar codes to the form
- Use scanned image of an existing preprinted form as a template for overlay design
- Copy and Repeat functions facilitate design of complex forms
- Autosave feature
- Alignment function precisely lines up form elements
- Import TIFF images, converting on-the-fly to iSeries image format (page segment objects)
- Import existing overlays from AFP Utilities or AFP Windows driver

Image Editor

- Professional image design platform for sharp, high-fidelity images
- Images manipulated in native iSeries format (page segment objects, IOCA)
- Import TIFF, GIF, JPEG, BMP graphics with conversion to IOCA and other formats
- Professional touch-up capabilities with a variety of image editing tools
- Edit image at the individual pel level for complete control
- Full text entry options within image
- Zoom and edit from 100% to 1000%
- Rotate image in 1-degree increments
- Image manipulation operations include rescale, resize, cut, paste, crop, invert, shade, flip, and mirror
- Image preview for easy navigation
- Full color support

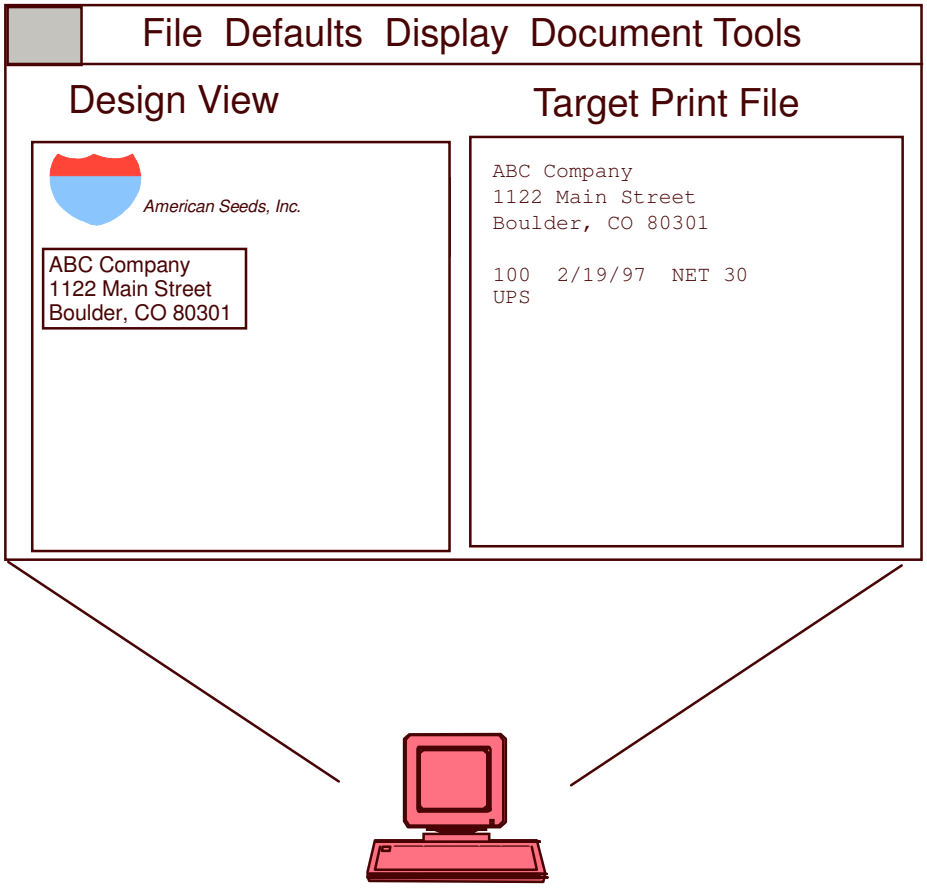
Layout Editor

- Browse and select target iSeries print file
- Automatically import target print file into data window for redesign
- Fully graphical design window supporting all document elements (data, text, overlays, images, bar coding)
- Drag-and-drop target print file data directly onto the design page
- Fully graphical print job preview
  - Step page by page through print file to ensure data mapping is correct
- Additional windows display the layout resource structure (OS/400 page definition and form definition)
  - Elements in the layout resource are hotlinked to the design page



Layout Editor

- Full conditional processing support means that page layout decisions can be made based on application data
- Full implementation of iSeries page layout architecture
  - Page and form definition objects
- Integrates fully into iSeries printing and e-output architecture



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