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DFtips & Tricks

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Perry Point Cooperative Studies Program



Introduction

- **What**
 - Generating graphical reports using CRF images stored in DataFax
- **Why**
 - Quality control (Graphical QC report)
 - Quick references (VRG Generator)
- **How**
 - Combine information from DFschema and DFTips with the CRF image files

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File Structures

- DFschema
 - lib/DFschema
- DFtips
 - lib/DFtips
- Picture files
 - pages
 - bkgd

DFschema

- Programmer Guide - Section 2.7
 - Tables 2.35, 2.36, and 2.37

```
%S 254
%N 12
%E 1990

%F 1
%p Blood Pressure Screening Visits
%n 35
%t simple
%E 1
%r /opt/datafax/lib/DFprint_filter $image

%I 1
%V DFstatus1
%v DFSTATUS
%D DataFAX Record Status
%T choice SimpleChoice
%* %*%*%*
```

DFtips

- Programmer Guide - Section 2.7
 - Tables 2.42, 2.43, and 2.44

```
# Study Number: 253
# Study Name: Demo Study 253
# Total Pages: 14
# Created: Wed Dec  1 12:33:29 2004
DELIMITER      |
PAGE           1
PLATE          1      # Blood Pressure Screening Visits
SEQ_CODE       1
PREOP          echo "$image $data" >> /tmp/test
DO_ICR         2
# FAX: plt001
FIELD          1 # ID001
TYPE           int
LEGAL          $(ids)
PART           106 84 2 50 25
PART           167 84 3 74 25
.
FIELD          2 # PINIT001
TYPE           string
```

DFschema and DFTips

- Programmer Guide - Section 2.7
 - Table 2.44
- If sequence number is a field
 - FIELD (in DFTips) + 5 = %I (in DFschema)
- If sequence number is in the barcode
 - FIELD (in DFTips) + 6 = %I (in DFschema)

Pictures

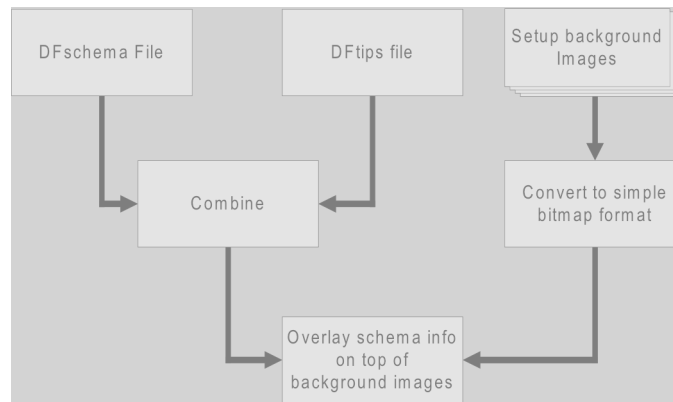
- Sun 1-bit raster file with RLE (run length encoding) encoding
 - <http://www.fileformat.info/format/sunraster/egff.htm>
- Programmer Guide - Section 3.3
 - DFimageio [-g] [-f *string*] {-s #} {*imageID*}
- bkgd – Background pictures used by DFsetup (\$pltxxx) and DFvalidate (\$DFbkgdxxx)
- pages – Forms received by site (YYWW/SSSSPPP)

Programs

- VRG (Variable Reference Guide) Generator
- Graphical QC Report

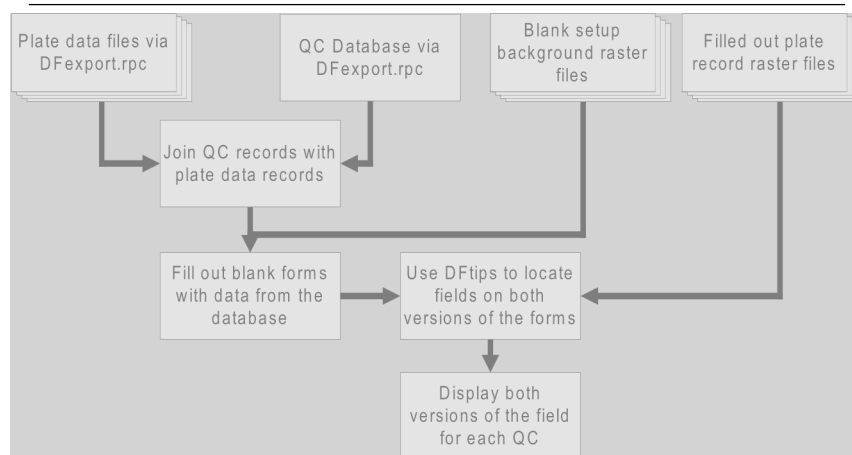
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Program – VRG Generator



Demo

Program – Graphical QC Report



Demo

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Questions?

- **Our Setup**
 - Operating System
 - **Solaris 9**
 - DataFax version
 - **DataFax 3.8-001**

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