

PAF SOFTWARE DOCUMENTATION

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Introduction

The PAF database is supplied by the Post Office and is the UK post code address database, comprising of both UK residential and commercial postal addresses.

The PAF database is imported into the UniVision DBMS from fixed length ASCII files supplied from the UK post office.

Database modules.

- 1) **PAF** account, main PAF database.
- 2) **QVSpaf** account, PAF software.
- 3) **WEB.INTERFACE** account, QVS web software.
- 4) **PAFreports** account, PAF users and monthly usage stats.

WEB.INTERFACE is the base Quantum VS software required by all Quantum VS enable packages.

PAF is the main data account all of the UK addresses are located here.

QVSpaf is the main software library for the PAF system.

PAFreports this account is a myViewpoint account password [**f1asc0**], this account also hold the users, passwords and clicks.

We have two webapp containers paf web service and mvppaf used by PAF users to monitor clicks.

PAF user menu

PostOffice Address File (PAF)

- 1) Run manual update process.
- 2) Verify PAF system.
- 3) List PAF user stat's.

- T) UCL
- O) OFF

Enter option :

Loading a PAF update CD:

- 1) From root mount the PAF update CDROM.

#mount /media/cdrom

*PAF update uses the path /**media/cdrom***

- 2) Login into the UniVision PAF account and take option 1.

PAF Configuration file:

The configuration file QVSparameters in the PAF account has three items.

- 1) **"update"**, this is PAF update master record and points to the required change files.
- 2) **"change1"**, this is the first change file referenced by the update software.
- 3) **"change2"**, this is the second change file referenced by the update software.

Change1.

>ED QVSparameters change1

change1

TOP

001 #

002 # Path to PAF update file "change 1" file.

003 #

004 UpdateFile]/media/cdrom/CPCHANGE.C01/changes1.c01

005 #

006 # Each update file in the change file has a file "ID"

007 # FileList is a list of value file "ID's" for this change

The second value on attribute 4 "**UpdateFile**" is the path and file name used by the update software, this is also true for change2, but the file name will differ.

Change2.

>ED QVSparameters change2

change2

TOP

001 #

002 # Path to PAF update file "change 2" file.

003 #

004 UpdateFile]/media/cdrom/CPCHANGE.C01/fpchngs2.c01

005 #

006 # Each update file in the change file has a file "ID"

007 # FileList is a list of value file "ID's" for this change

008 # file.

009 #

Change to change2 parameter file.

The Post Office change the name on the third update CDROM, the name changed from **fpchngs2.c01** to **fpchng2.c01**, they "**The Post Office**" removed the "s" from the name.

PAF file layouts.

FILE: ADDRESS

<i>FIELD NAME</i>	<i>LEVEL</i>	<i>DATA TYPE</i>	<i>SIZE</i>	<i>OCCURS</i>	<i>ADDRESS Attribute</i>
<u>Postcode Type</u>	1	Alphanumeric	1	1	0
<u>Organisation Key</u>	1	Numeric	8	1	0
Address Key	1	Numeric	8	1	0
Postcode Outcode	2	Alphanumeric	4	1	1
Postcode Incode	2	Alphanumeric	4	1	2
<u>Locality Key</u>	1	Numeric	6	1	3
<u>Thoroughfare Key</u>	1	Numeric	8	1	4
<u>Thoroughfare Descriptor Key</u>	1	Numeric	4	1	5
<u>Dependent Thoroughfare Key</u>	1	Numeric	8	1	6
<u>Dependent Thoroughfare Descriptor Key</u>	1	Numeric	4	1	7
<u>Building Number</u>	1	Numeric	4	1	8
<u>Building Name Key</u>	1	Numeric	8	1	9
<u>Sub Building Name Key</u>	1	Numeric	8	1	10
Number of Households	1	Numeric	4	1	11
Concatenation Indicator	1	Alphanumeric	1	1	12
Delivery Point Suffix	1	Alphanumeric	2	1	13
Small User Organisation Indicator	1	Alphanumeric	1	1	14
PO Box Number	1	Alphanumeric	6	1	15

Note:

The following fields “Organisation Key, Locality Key, Thoroughfare Key, Thoroughfare Descriptor Key, Dependent Thoroughfare Key, Dependent Thoroughfare Descriptor Key, Building Number, Building Name Key, and Sub Building Name Key” are either zero filled or they contain numeric data, so to reduce the size of the PAF database the import process applies a simple logical rule, “Data Field + 0”.

This reduces “0000” to “0”.

PAF account: file and index list.

Dictionary File names	Data and index file names (Diagnostic file names)
ADDRESS	ADDRESS
	INDEX ADDRESS DDLOCAL
	INDEX ADDRESS DLOCAL
	INDEX ADDRESS pafSearch
	INDEX ADDRESS POSTCODE
	INDEX ADDRESS POSTTOWN
	INDEX ADDRESS ThoroughFare
	(VINDEX ADDRESS ThoroughFare)
	(VINDEX ADDRESS DDLOCAL)
	(VINDEX ADDRESS DLOCAL)
	(VINDEX ADDRESS pafSearch)
	(VINDEX ADDRESS POSTCODE)
	(VINDEX ADDRESS POSTTOWN)
BUILDING	BUILDING
LOCALITY	LOCALITY
MAILSORT	MAILSORT
MetaphoneFile	MetaphoneFile
ORGANISA	ORGANISA
pafTransactions	(ADDRESS)
	(audit)
	(BUILDING)
	(LOCALITY)
	(ORGANISA)
	(pafTransactions)
	(SUBBUILD)
	(THDESCRI)
	(THOROUGH)
QVSparameters	QVSparameters
QVSweb	QVScontrol
	QVSdebug
	QVSdebugInMessages
	QVSdebugOutMessages
	QVSprogIndex
	QVSsavedLists
	QVSsessions
	QVSsessionsWork
	QVSuniqueIds
	QVSweb
SUBBUILD	SUBBUILD
THDESCRI	THDESCRI
THOROUGH	THOROUGH

PAF account: Q pointer list.

File name Account name Real file name.

BP	QVSpaf	BP
BP.IF	QVSpaf	BP.IF
mvpAccountParameters	PAFreports	mvpAccountParameters
PAF-USERS	PAFreports	USERS
Param.org	QVSpaf	PafParam
PROCS	QVSpaf	PROCS
QFILE	QVSpaf.new2	DICTS
QTHOR	PAF	THOROUGH
QVSapi	WEB.INTERFACE	QVSapiUtils.BP
QVSp	QVSpaf	QVSparameters

PAFreports account: file list.

Dictionary File names	Data and index file names
BP	BP
mvpAccountParameters	mvpAccountParameters
QVSmpv	QVScontrol
	QVSdebug
	QVSmpv
	QVSparameters
	QVSsavedLists
	QVSsessions
	QVSsessionsWork
	QVSsysMessages
	QVSuniqueIds
USERS	USERS

QVSpaf account: file list.

Dictionary File names	Data and index file names
BP	BP
BP.IF	BP.IF
BP.PAF	BP.PAF
BSYM	BSYM
DICTS	DICTS
PafParam	PafParam
pafTransactions	Audit
	pafTransactions
PROCS	PROCS
QVSmessages	QVSmessages
QVSparameters	QVSparameters
QVStestMessages	QVStestMessages
QVStimings	QVStimings
QVSweb.BP	QVSweb.BP
QVSweb.BPIF	QVSweb.BPIF
SAFE	SAFE

UNIX	UNIX
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QVSpaf account: Q pointer list.

<i>File name</i>	<i>Account name</i>	<i>Real file name.</i>
DEV.BP	WEB.INTERFACE	DEV.BP
LISTFILES.QPTR	QVSpaf_org	
mvpAccountParameters	PAFreports	mvpAccountParameters
PB	PAF	BP
POINTER-FILE	POINTER-FILE	
PU	PAF	PAF-USERS
Q	BENCH.ADMIN	PROC
QFILE	PAF	ADDRESS
QVSapiUtils.BP	WEB.INTERFACE	QVSapiUtils.BP
QVStests.BP	WEB.INTERFACE	QVStests.BP
QVSweb	PAF	QVSweb
QVSwebI	WEB.INTERFACE	QVSweb
QVSwebUser.BPIF	WEB.INTERFACE	QVSwebUser.BPIF
SYSTEM	SYSTEM	
USERS	PAF	PAF-USERS