

BNKAD\$ - Return Bank Details

The BNKAD\$ routine creates an XML address file using the Postcode Anywhere web site. To use this routine you will need a Postcode Anywhere account number and license key.

1. Invocation

To create an address XML file code:

```
CALL BNKAD$ USING BN
```

where *bn* is a control block of the following format:

```

01  BN
   02  BNVERS          PIC 9(4) COMP      * BLOCK VERSION NUMBER
                                           * MUST BE 1
   02  BNACC           PIC X(10)          * Postcode Anywhere account number
   02  BNLIC           PIC X(19)          * Postcode Anywhere license key
   02  BNPRG           PIC 9 COMP         * 0 = No progress bar during file copy
                                           * 1 = Progress bar displayed during copy
                                           * of XML file from GX PC to server
   02  BNCODE          PIC X(8)          * Sort code of the form nn-nn-nn
   02  BNPCODE         PIC 9(9) COMP     * HTTPS$ Return code
   02  BNSTXT          PIC X(100)        * HTTPS$ Returned text
   02  BNNAME          PIC X(80)         * Returned bank name
   02  BNBRCH          PIC X(80)         * Returned branch name
   02  BNADDR OCCURS 4 PIC X(80)         * Returned branch address lines
   02  BNTOWN          PIC X(20)         * Returned Town
   02  BNCOUNTY       PIC X(20)         * Returned county
   02  BNPCODE         PIC X(10)         * Returned post code
   02  BNERR           PIC 9(9) COMP     * Error code returned by Postcode Anywhere
   02  BNETXT          PIC X(100)        * Error text returned by Postcode Anywhere

```

2. STOP Codes and Exception Conditions

The following STOP codes may be generated by BNKAD\$:

STOP code	Description
13623	BNKAD\$ has been called by an application that is not running on GX.
13624	Invalid Control Block version.

The following EXIT codes may be returned by BNKAD\$:

EXIT code	\$\$COND	Description
13608	08	Unable to allocate memory for temporary work buffer (HTTPO\$).

13609	09	An error condition was returned by the open communications operation. The error code is available in the \$\$CRES System Variable.
13610	10	Unable to allocate memory for temporary work buffer (HTTPH\$).
13611	11	The set HTTP server request header operation has suffered an exception. The error code is available in the \$\$CRES System Variable.
13612	12	Unable to allocate memory for temporary work buffer (HTTPS\$).
13613	13	The send message to the HTTP servers has suffered an exception. The error code is available in the \$\$CRES System Variable.
13624	24	The return code from the send message to HTTP servers is not 200 (OK). The send message result code has been returned in BNSCODE and BNSTXT. (See HTTPS\$ documentation for full list).
13625	25	Unable to allocate memory for temporary work buffer.
13626	26	Unable to open the XML file produced on the server.
13627	27	Unable to read the XML file produced on the server.
13643	43	An error has been returned from Postcode Anywhere in the XML file. The returned error code is in BNERR and error text in BNETXT.
7614	14	GXCOP\$ has suffered an exception opening the input or output files. The Windows error code is available in the \$\$CRES System Variable.
7615	15	The GXCOP\$ routine cannot find the input file.
7616	16	Unable to allocate temporary work buffer (GXCOP\$).

7619	19	GXCOP\$ has suffered an error opening the input file. The Windows error code is available in the \$\$CRES System Variable.
7620	20	GXCOP\$ has suffered an error opening the output file. The Windows error code is available in the \$\$CRES System Variable.
7621	21	Error returned from GX Copy File function. The Windows error code is available in the \$\$CRES System Variable.
7622	22	GXCOP\$ has suffered an unexpected error from GX. The Windows error code is available in the \$\$CRES System Variable.

3. Programming Notes

In order to use this subroutine you need to obtain an account number and license key from Postcode Anywhere at <http://www.postcodeanywhere.co.uk/>.

BNKAD\$ is only available when running on GX. Any attempt to run BNKAD\$ on a non-GX terminal will result in a STOP code.

BNKAD\$ is only available on GSM SP-20, or later.

The BNKAD\$ routine makes use of the HTTPO\$, HTTPH\$, HTTPS\$ and HTTPC\$ routines to obtain the postcode address file in XML format. The Postcode Anywhere method used is "Get_Bank". The XML file will be created in the "xml" sub-folder in the current GX folder on the GX PC and will be automatically copied to the "temp" sub-folder in the GSM folder on the server running the Global Client (e.g. GLOBAL.EXE). The name of the XML file is:

```
bank_details_cc_uuuuu_oooo.xml
```

where *cc* is the computer-id, *uuuuu* the user number and *oooo* the operator-id of the user running the subroutine.

There is further information held in the "bank details" XML file that is not returned by BNKAD\$. To extract this additional information you must access the file directly using the Open BDAM access method.

If the bank sort code is invalid the bank name will be set to SPACES.

4. Examples

No examples available.

5. Copy-Books

None.

6. See Also

VBNKD\$	Validate bank sort code and account number
HTTPO\$	Open HTTP session
HTTPC\$	Close HTTP server session
HTTPH\$	Set Request Header
HTTPS\$	Send message and return status information and response text
GXCOP\$	File copy routine