

GXFIN\$ - Find Next File on GX

The GXFIN\$ routine is used, **after a previous successful call to GXFIF\$**, to find the next file in a folder on the PC running GX.

1. Invocation

To find the next file in a folder on the PC running GX code:

```
CALL GXFIN$ USING fi
```

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

```

01  FI
02  FIWILD      PIC PTR          * POINTER TO TARGET FILENAME
02  FILLER      PIC 9(9) COMP     * RESERVED FOR USE BY GXFIN$
02  FIATTR      PIC 9(9) COMP     * RETURNED FILE ATTRIBUTE
02  FINAME      PIC PTR          * PTR TO AREA FOR RETURNED FILENAME

```

The same *fi* block that was used for a previous successful call to GXFIF\$ **must** be used for subsequent call(s) to GXFIN\$.

2. STOP Codes and Exception Conditions

The following STOP codes are returned by GXFIN\$.

| STOP code | Description |
|-----------|--|
| 14450 | GXFIN\$ has been called by an application that is not running on GX. |

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

| EXIT code | \$\$COND | Description |
|-----------|----------|--|
| 14410 | 10 | Internal error type-1 in GXFIN\$. |
| 14411 | 11 | Internal error type-2 in GXFIN\$. |
| 14412 | 12 | A Windows error has been detected by GX. The Windows result code is available in the \$\$CRES System Variable. Note that error code 18 is returned if no more files match the target filename. |

3. Programming Notes

The GXFIN\$ routine must be used in conjunction with the GXFIF\$ and GXFIC\$ routines.

Before calling GXFIN\$ the FINAME field must be initialised to point to a PIC X(256) field that will contain the first file name that matches the target filename specification.

If the call to GXFIN\$ is successful the filename is returned in the buffer area pointed to by FINAME; and the Windows file attribute value is returned in FIATTR. The filename is not returned as a Windows zero-terminated string but rather as a PIC X(256) string padded with trailing spaces.

The value returned in FIATTR is a collection of bit flags as defined here:

[https://msdn.microsoft.com/en-us/library/windows/desktop/gg258117\(v=vs.85\).aspx](https://msdn.microsoft.com/en-us/library/windows/desktop/gg258117(v=vs.85).aspx)

Note that the 0x0010 bit indicates a directory rather than a file.

GXFIN\$ can only be used after a successful call to GXFIF\$. The combination of GXFIF\$ & GXFIN\$ **MUST** be followed by a final call to GXFIC\$.

4. Examples

[EXAMPLES REQUIRED].

5. Copy-Books

None.

6. See Also

GXFIF\$ Find First File on GX

GXFIC\$ Close Find Handle on GX