

# GXCMD\$ - Execute Windows Command on GX

The GXCMD\$ routine can be used to execute a Windows command on the PC that is running the current GX session.

## 1. Invocation

To execute a Windows command on the PC that is running GX code:

```
CALL GXCMD$ USING cm
```

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

```

01  CM
02  CMVERS      PIC 9(4) COMP      * Block version number
                                VALUE 1 * This must be set to 1
02  CMSHOW      PIC 9(2) COMP      * 0 = Normal window
                                * 1 - Maximised Window
                                * 2 - Minimised Window
                                * 3 - Minimised Window in background
02  CMWAIT      PIC 9(2) COMP      * 0 = Do not wait for program to exit
                                * 1 = Wait for program to exit
02  CMDIRL      PIC 9(4) COMP      * -1 = No directory specified
                                * 0 = Zero-terminated directory path
                                * N = Length of directory path string
02  CMDIRP      PIC PTR           * pointer to directory string
                                * for the working directory
                                * for the program executed in
                                * association with the file name
02  CMFILL      PIC 9(4) COMP      * 0 = Zero-terminated file string
                                * N = Length of file string
02  CMFILP      PIC PTR           * Pointer to file string

```

## 2. STOP Codes and Exception Conditions

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

STOP code	Description
23901	GXCMD\$ has been called by an application that is not running on GX.
23902	Unknown version of CM control block (i.e. CMVERS does not contain 1)

The following exception conditions may be returned by GXCMD\$:

EXIT code	\$\$COND	Description
23901	01	Unable to allocate data page for GX command buffer.

23902	02	The Windows CreateProcess operation failed. The Windows 32-bit error code is available in the \$\$CRES System Variable.
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### 3. Programming Notes

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

GXCMD\$ is only available with GSM SP-26, or later.

If the CMFILL field is zero, the filename string **MUST** be terminated by a byte of binary-zero (i.e. #00, LOW-VALUES). If the CMDIRL field is zero, the directory string **MUST** be terminated by a byte of binary-zero (i.e. #00, LOW-VALUES).

### 4. Examples

[EXAMPLE REQUIRED]

### 5. Copy-Books

See copy-book "???" in copy-library S.SYS32. Note that this copy-book **MUST** be expanded using a SUBSTITUTING clause. For example:

```
COPY "???" USING "CM"
```

### 6. See Also

GXSHL\$ - Execute Windows shell command on GX.

GXSHX\$ - Execute Windows shell command on GX.

SHCMD\$ - Execute Windows application