

CPROC\$ - Execute Windows Command

The CPROC\$ routine provides a method for a Speedbase program to initiate a program running on the Windows operating system.

1. Invocation

To execute a Windows program code:

```
CALL CPROC$ USING cp command_string
```

where *cp* is a small control block as described below, and *command_string* is a zero-terminated string containing the Windows program, or batch file, to be executed.

The *cp* block has the following structure:

```

01  CP
02  CPVERS      PIC 9(4) COMP    * Block version number
    VALUE 1      * Must contain 1
02  CPSHOW     PIC 9(2) COMP    * Window display flag
    * 0 - Normal Window
    * 1 - Maximised Window
    * 2 - Minimised Window
    * 3 - Minimised Window in background
02  CPWAIT     PIC 9(2) COMP    * 0 return control immediately
    * 1 Wait until window command
    * completes
02  CPSLEEP    PIC 9(4) COMP    * Sleep period between polls in
    * milliseconds. If CPSLEEP is zero a
    * default of 1000 (i.e. 1 second) is used

```

2. STOP Codes and Exception Conditions

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

STOP code	Description
24125	Invalid control block version. CPVERS does not contain 1.

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

EXIT code	\$\$COND	Description
24125	25	Either the CreateProcess() call to initiate the Windows command failed; or, if CPWAIT = 1, the GetExitCodeprocess() call to obtain the result of the Window command failed. In either case, the Windows result code is returned in \$\$CRES.

3. Programming Notes

CPROC\$ is only available with GSM SP-35 or later.

The CPROC\$ routine provides a simpler interface for GSM (Windows) than the legacy SHCMD\$ routine. CPROC\$ is not supported on GSM (Unix) and doesn't recognize either the "Desktop" or Schema File options available with SHCMD\$.

If CPWAIT is zero the Windows command is executed, runs concurrently with GSM, and terminates with no result returned to the calling program. If CPWAIT contains 1, GSM waits for the Windows program to complete. The default time interval between successive polls of the Windows command is 1 second (1000 msec) but this delay period can be overridden by CPSLEEP parameter.

4. Examples

[EXAMPLE REQUIRED]

5. Copy-Books

None.

6. See Also

SHCMD\$	Run command on GSM server or desktop
GXSHL\$	Execute Windows shell command on GX.
GXSHX\$	Execute Windows shell command on GX.
GXCMD\$	Execute Windows application on GX