

PrintMessage(0x3FEu);

goto LABEL_284;

LABEL_68:

```
g_msdbOperations |= 0x20u;
break;
```

When this value is set, the program will sleep for 20 seconds and then exit.

SDB Merges - -m

Note

Available on Windows 11 versions

The -m flag is used to initate the process of merging SBDs.

It can also be followed by another m (example: -mm) in order to perform a bitwise on the global variable $g_msdbFlags$ with 1. To be later tested to check if the process will enable background mode (see -b flag for more information).

During merge operations a temporary file might get created in the %TEMP% directory with the format temp.{16-Random-Hex-Chars}.sdb (Example: temp.01DA2456E502A0F0.sdb)

Usually this flag is called by the PcaSvc service from svchost in the following form

```
sdbinst.exe -mm
sdbinst.exe -m -bg
```

Information about the merged SDBs and others are stored in the registry key

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows

NT\CurrentVersion\AppCompatFlags\SdbUpdates

Internally this operation is via a function called MergeSdb_FindAndMergeForTarget called from HandleCheckForMergeUpdate.

Background Execution - -b

Note

Available on Windows 11 versions

he -b must be combined with the g flag. The purpose is to set an internal global variable called $g_msdbFlags$ to the value of 4. Which is later used to call $\underline{SetPriorityClass}$ in order to set the process mode to background or in other terms

PROCESS_MODE_BACKGROUND_BEGIN .

And it also calls <u>SetProcessWorkingSetSizeEx</u> to set the minimum and maximum working set sizes for the specified process.

```
case 'b':
    if ( *((_WORD *)*v11 + 2) != 103 )
        goto LABEL_68;
    g_msdbFlags |= 4u;
    goto LABEL_61
```