DLL Injection

DLL Injector

C++ Code
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This code is a Windows program that injects a dynamic-link library (DLL), represented by evil.dll, into the memory of a target process (in this case, "notepad.exe"). Let's break down the code step by step:

1. Header Includes:

- o <stdio.h>, <stdlib.h>, <string.h>: Standard C library headers for file operations and string manipulation.
- <windows.h>: Provides access to Windows API functions and data types.
- <tlhelp32.h>: Includes functions and data structures for working with processes and snapshots.

2. getPIDbyProcName Function:

- This function takes the name of a process (procName) as input and returns its Process ID (PID).
- It uses the Windows ToolHelp32 API to iterate through running processes and find the one with the specified name.
- It initializes a snapshot of the process list, walks through it, and closes the snapshot handle when done.

3. Variables and Initialization:

- char evilDLL[]: Specifies the path to the DLL (evil.dll) that will be injected into the target process.
- unsigned int evilLen: Stores the length of the DLL path string.
- typedef LPVOID memory_buffer: Creates an alias for a pointer to void as memory_buffer.

4. Main Function:

- int main(int argc, char* argv[]): This is the main entry point for the program.
- Inside the function:
 - It declares several variables:
 - HANDLE pHandle: A handle to the target process.
 - HANDLE remoteThread: A handle to the remote thread that will load the DLL.
 - memory_buffer rb: A pointer to a remote buffer in the target process
 - It retrieves the address of the LoadLibraryA function from the Kernel32 module using GetProcAddress. This function is used to load the DLL into the target process.
 - It calls getPIDbyProcName to get the PID of the target process, which is "notepad.exe" in this case.
 - It opens the target process for all access rights using OpenProcess.
 - It allocates memory within the target process using VirtualAllocEx to hold the DLL path string.
 - It copies the DLL path string (evilDLL) into the allocated memory of the target process using WriteProcessMemory
 - It creates a remote thread in the target process using CreateRemoteThread. This thread starts execution at the LoadLibraryA function, which loads the DLL (evil.dll) into the target process.
 - · Finally, it closes the process and remote thread handles and returns 0 to indicate successful program completion.

In summary, this code demonstrates DLL injection into a target process. It opens the target process, allocates memory within it, copies the DLL path, and creates a remote thread to load the DLL into the target process. This technique can be used forvarious purposes, including hooking functions or modifying the behavior of the target process.

Evil DLL

C++ Code

n TRUE;

#pragma comment(lib, "user32.lib")

BOOL APIENTRY DllMain(HMODULE hModule, DWORD nReason, LPVOID lpReserved)

switch (nReason){
 case DLL_PROCESS_ATTACH:
 MessageBox(NULL,"S12!","MessageBox by S12",MB_OK);
 break;
 case DLL_PROCESS_DETACH:
 break;
 case DLL_THREAD_ATTACH:
 break;
 case DLL_THREAD_DETACH:
 break;