

Forum:[Hack Forums](#)

Thread: [Concat an array of chars into another array or chars](#)

gurlhackerclub - May 19, 2020, 5:26 am

Want to concat a string of the active logical drives into another string, So that it can be sent over a socket.

The line strcat_s is giving me issues. commented out line.

```
Code #include <stdio.h>
#include <stdlib.h>
#include <iostream>
#include <windows.h>
```

```
using namespace std;
char lpdrives[1000];
char lpBuffer[100];
DWORD mydrives = 100;// buffer length
```

```
int main() {
    cout << "starting drives check ";
    DWORD test = GetLogicalDriveStringsA(mydrives, lpBuffer);
    // Check up to 100 drives...
    int i;
    strcpy_s(lpdrives, sizeof lpdrives, "drives: ");
    for (i = 0; i < 100; i++) {
        cout << lpBuffer[i];
        //    strcat_s(lpdrives, sizeof lpdrives, lpBuffer[i]);
    }
    cout << lpdrives;

    return 0;
}
```

saltycracker - May 19, 2020, 5:43 am

Well what issues? Post exactly what the problem is.

gurlhackerclub - May 19, 2020, 7:02 am

(May 19, 2020 05:43 AM)saltycracker Wrote: [\[CITE\]](#) Well what issues? Post exactly what the problem is.

nvm, I got it, thx

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    // Check up to 100 drives...
    int i;
    strcpy_s(lpdrives, sizeof lpdrives, "drives: ");
    for (i = 0; i < 100; i++) {
        cout << lpBuffer[i];
        string sym(1, lpBuffer[i]);
        const char* fag = sym.c_str();
        strcat_s(lpdrives, sizeof lpdrives, fag);
    }
    cout << lpdrives;

    return 0;
}

```

saltycracker - May 19, 2020, 10:40 am

(May 19, 2020 07:02 AM)gurlhackerclub Wrote: [\[CITE\]](#) nvm, I got it, thx

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        const char* fag = sym.c_str();
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```

Why are you creating a std::string from character array and then turning it back to a c string? Why not use the character array and skip the whole std::string to c string?

gurlhackerclub - May 19, 2020, 11:11 am

(May 19, 2020 10:40 AM)saltcracker Wrote: [\[CITE\]](#) Why are you creating a std::string from character array and then turning it back to a c string? Why not use the character array and skip the whole std::string to c string?

On this line,

```
strcat_s(lpdrives, sizeof lpdrives, lpBuffer[i]);
```

I was getting this error.

```
errno_t strcat_s(char *,rsize_t,const char *)': cannot convert argument 3 from 'char' to 'const char *'
```

I needed to send this char array through a socket.

```
iResult = send(ConnectSocket, Ipdrives, (int)strlen(Ipdrives), 0);
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Ugly, but I got it working. Simple command line RAT. Now the only commands I can send are quit and list active drives.

saltycracker - May 19, 2020, 11:36 am

(May 19, 2020 11:11 AM)gurlhackerclub Wrote: [\[CITE\]](#) On this line,

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Why won't you just pass the array? The array name is the pointer address.

You have this:

```
Code strcat_s(lpdrives, sizeof lpdrives, lpBuffer[i]);
```

But did you try:

```
Code strcat_s(lpdrives, sizeof lpdrives, lpBuffer);
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gurlhackerclub - May 19, 2020, 12:09 pm

(May 19, 2020 11:36 AM)saltycracker Wrote: [\[CITE\]](#) Why won't you just pass the array? The array name is the pointer address.

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But did you try:

```
Code strcat_s(lpdrives, sizeof lpdrives, lpBuffer);
```

Yea, I got this output.

Code drives:

[illegible]

D:\cprojects\hackforums\Debug\HackForums.exe (process 20888) exited with code 0.

To automatically close the console when debugging stops, enable

Tools->Options->Debugging->Automatically close the console when debugging stops.

Press any key to close this window . . .

I don't understand why, But I got it working. Thank you for your help though.

SIM-3991524 - May 19, 2020, 12:51 pm

There is StringCchCatA aswell

<https://docs.microsoft.com/en-us/windows/win32/api/strsafe/nf-strsafe-stringcchcata>

k1r3n - May 19, 2020, 5:18 pm

You already using C++. You can use STL tools for working with strings.

Simple example:

Code #include <windows.h>

#include <cstdio>

#include <string>

```
int main() {  
    char buffer[MAX_PATH];  
    if (!GetLogicalDriveStrings(MAX_PATH, buffer)) return 1;  
    printf("%s\n", (std::string(buffer) + "Users\\").c_str());  
    return 0;  
}
```

In another case, you can use the tools that migrated from C. For instance: strcat