本主题中的示例使用 [**RegOpenKeyEx**](https://learn.microsoft.com/zh-cn/windows/desktop/api/Winreg/nf-winreg-regopenkeyexa)、 [**RegEnumKeyEx**](https://learn.microsoft.com/zh-cn/windows/desktop/api/Winreg/nf-winreg-regenumkeyexa) 和 [**RegDeleteKey**](https://learn.microsoft.com/zh-cn/windows/desktop/api/Winreg/nf-winreg-regdeletekeya) 函数删除包含子项的注册表项。

若要测试此示例，请使用 Regedt32.exe 创建以下注册表项，然后添加几个值和子项：

\ HKEY\_CURRENT\_USER**\Software**\**TestDir**

#include <windows.h>

#include <stdio.h>

#include <strsafe.h>

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//

// RegDelnodeRecurse()

//

// Purpose: Deletes a registry key and all its subkeys / values.

//

// Parameters: hKeyRoot - Root key

// lpSubKey - SubKey to delete

//

// Return: TRUE if successful.

// FALSE if an error occurs.

//

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

BOOL RegDelnodeRecurse (HKEY hKeyRoot, LPTSTR lpSubKey)

{

LPTSTR lpEnd;

LONG lResult;

DWORD dwSize;

TCHAR szName[MAX\_PATH];

HKEY hKey;

FILETIME ftWrite;

// First, see if we can delete the key without having

// to recurse.

lResult = RegDeleteKey(hKeyRoot, lpSubKey);

if (lResult == ERROR\_SUCCESS)

return TRUE;

lResult = RegOpenKeyEx (hKeyRoot, lpSubKey, 0, KEY\_READ, &hKey);

if (lResult != ERROR\_SUCCESS)

{

if (lResult == ERROR\_FILE\_NOT\_FOUND) {

printf("Key not found.\n");

return TRUE;

}

else {

printf("Error opening key.\n");

return FALSE;

}

}

// Check for an ending slash and add one if it is missing.

lpEnd = lpSubKey + lstrlen(lpSubKey);

if (\*(lpEnd - 1) != TEXT('\\'))

{

\*lpEnd = TEXT('\\');

lpEnd++;

\*lpEnd = TEXT('\0');

}

// Enumerate the keys

dwSize = MAX\_PATH;

lResult = RegEnumKeyEx(hKey, 0, szName, &dwSize, NULL,

NULL, NULL, &ftWrite);

if (lResult == ERROR\_SUCCESS)

{

do {

\*lpEnd = TEXT('\0');

StringCchCat(lpSubKey, MAX\_PATH \* 2, szName);

if (!RegDelnodeRecurse(hKeyRoot, lpSubKey)) {

break;

}

dwSize = MAX\_PATH;

lResult = RegEnumKeyEx(hKey, 0, szName, &dwSize, NULL,

NULL, NULL, &ftWrite);

} while (lResult == ERROR\_SUCCESS);

}

lpEnd--;

\*lpEnd = TEXT('\0');

RegCloseKey (hKey);

// Try again to delete the key.

lResult = RegDeleteKey(hKeyRoot, lpSubKey);

if (lResult == ERROR\_SUCCESS)

return TRUE;

return FALSE;

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//

// RegDelnode()

//

// Purpose: Deletes a registry key and all its subkeys / values.

//

// Parameters: hKeyRoot - Root key

// lpSubKey - SubKey to delete

//

// Return: TRUE if successful.

// FALSE if an error occurs.

//

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

BOOL RegDelnode (HKEY hKeyRoot, LPCTSTR lpSubKey)

{

TCHAR szDelKey[MAX\_PATH\*2];

StringCchCopy (szDelKey, MAX\_PATH\*2, lpSubKey);

return RegDelnodeRecurse(hKeyRoot, szDelKey);

}

int \_\_cdecl main()

{

BOOL bSuccess;

bSuccess = RegDelnode(HKEY\_CURRENT\_USER, TEXT("Software\\TestDir"));

if(bSuccess)

printf("Success!\n");

else printf("Failure.\n");

return 0;

}