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1:  /*
2:      libxbee - a C library to aid the use of Digi's Series 1 XBee modules
3:      running in API mode (AP=2).
4:
5:      Copyright (C) 2009 Attie Grande (attie@attie.co.uk)
6:
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11:
12:     This program is distributed in the hope that it will be useful,
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15:     GNU General Public License for more details.
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17:     You should have received a copy of the GNU General Public License
18:     along with this program. If not, see <http://www.gnu.org/licenses/>.
19: */
20:
21: /* ##### Win32 DLL Code ##### */
22: /* ### Win32 DLL Code ##### */
23: /* ##### Win32 DLL Code ##### */
24:
25: /* this file contains code that is used by Win32 ONLY */
26: #ifndef _WIN32
27: #error "This file should only be used on a Win32 system"
28: #endif
29:
30: /* this gets called when the dll is loaded... */
31: BOOL WINAPI DllMain(HANDLE hModule, DWORD dwReason, LPVOID lpReserved) {
32:     if ((dwReason == DLL_PROCESS_DETACH || dwReason == DLL_THREAD_DETACH) && xbee_ready == 1) {
33:         /* ensure that libxbee has been shut down nicely */
34:         xbee_end();
35:     } else if (dwReason == DLL_PROCESS_ATTACH || dwReason == DLL_THREAD_ATTACH) {
36:         /* keep a handle on the module */
37:         glob_hModule = (HMODULE)hModule;
38:     }
39:     return TRUE;
40: }
41:
42: HRESULT DllCanUnloadNow(void) {
43:     return !xbee_ready;
44: }
45:
46: /* ##### Win32 DLL COM Code ##### */
47: /* ### Win32 DLL COM Code ##### */
48: /* ##### Win32 DLL COM Code ##### */
49:
50: /* this function is from this tutorial:
51:     http://www.codeguru.com/Cpp/COM-Tech/activex/tutorials/article.php/c5567 */
52: BOOL RegWriteKey(HKEY roothk, const char *lpSubKey, LPCTSTR val_name,
53:                 DWORD dwType, void *lpvData, DWORD dwDataSize) {
54:     /* roothk:      HKEY_CLASSES_ROOT, HKEY_LOCAL_MACHINE, etc
55:        lpSubKey:    the key relative to 'roothk'
56:        val_name:    the key value name where the data will be written
57:        dwType:      REG_SZ, REG_BINARY, etc.
58:        lpvData:     a pointer to the data buffer
59:        dwDataSize:  the size of the data pointed to by lpvData */
60:     HKEY hk;
61:     if (ERROR_SUCCESS != RegCreateKey(roothk, lpSubKey, &hk) ) return FALSE;
62:     if (ERROR_SUCCESS != RegSetValueEx(hk, val_name, 0, dwType, (CONST BYTE *)lpvData, dwDataSize)) return FALSE;
63:     if (ERROR_SUCCESS != RegCloseKey(hk)) return FALSE;
64:     return TRUE;
65: }
66:
67: /* this is used by the regsrv32 application */
68: STDAPI DllRegisterServer(void) {
69:     char key[MAX_PATH];
70:     char value[MAX_PATH];
71:
72:     wsprintf(key, "CLSID\\%s", dllGUID);
73:     wsprintf(value, "%s", dlldesc);
74:     RegWriteKey(HKEY_CLASSES_ROOT, key, NULL, REG_SZ, (void *)value, lstrlen(value));
75:
76:     wsprintf(key, "CLSID\\%s\\InprocServer32", dllGUID);
77:     GetModuleFileName(glob_hModule, value, MAX_PATH);
78:     RegWriteKey(HKEY_CLASSES_ROOT, key, NULL, REG_SZ, (void *)value, lstrlen(value));
79:
80:     wsprintf(key, "CLSID\\%s\\ProgId", dllGUID);
81:     lstrcpy(value, dllid);
82:     RegWriteKey(HKEY_CLASSES_ROOT, key, NULL, REG_SZ, (void *)value, lstrlen(value));
83:
84:     lstrcpy(key, dllid);
85:     lstrcpy(value, dlldesc);

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86:  RegWriteKey(HKEY_CLASSES_ROOT, key, NULL, REG_SZ, (void *)value, lstrlen(value));
87:
88:  wsprintf(key, "%s\\CLSID", dllid);
89:  RegWriteKey(HKEY_CLASSES_ROOT, key, NULL, REG_SZ, (void *)dllGUID, lstrlen(dllGUID));
90:
91:  return S_OK;
92: }
93:
94: /* this is used by the regsrv32 application */
95: STDAPIShell DllUnregisterServer(void) {
96:     char key[MAX_PATH];
97:     char value[MAX_PATH];
98:
99:     wsprintf(key, "%s\\CLSID", dllid);
100:    RegDeleteKey(HKEY_CLASSES_ROOT, key);
101:
102:    wsprintf(key, "%s", dllid);
103:    RegDeleteKey(HKEY_CLASSES_ROOT, key);
104:
105:    wsprintf(key, "CLSID\\%s\\InprocServer32", dllGUID);
106:    RegDeleteKey(HKEY_CLASSES_ROOT, key);
107:
108:    wsprintf(key, "CLSID\\%s\\ProgId", dllGUID);
109:    RegDeleteKey(HKEY_CLASSES_ROOT, key);
110:
111:    wsprintf(key, "CLSID\\%s", dllGUID);
112:    RegDeleteKey(HKEY_CLASSES_ROOT, key);
113:
114:    return S_OK;
115: }
```