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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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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: /* #####
22: /* ### Win32 DLL Code #####
23: /* #####
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: int ver(HWND hwnd, HINSTANCE hinst, LPWSTR lpszCmdLine, int nCmdShow) {
31:     char t[256];
32:     sprintf(t, "libxbee.dll\\n%s\\n%s", xbee_svn_version(), xbee_build_info());
33:     MessageBox(NULL, t, "libxbee Win32 DLL", MB_OK);
34:     return 0;
35: }
36:
37: void xbee_UNLOADALL(void) {
38:     while (default_xbee) {
39:         _xbee_end(default_xbee);
40:     }
41: }
42:
43: /* this gets called when the dll is loaded and unloaded... */
44: BOOL APIENTRY DllMain(HANDLE hModule, DWORD dwReason, LPVOID lpReserved) {
45:     if (dwReason == DLL_PROCESS_DETACH) {
46:         /* ensure that libxbee has been shut down nicely */
47:         xbee_UNLOADALL();
48:     } else if (dwReason == DLL_PROCESS_ATTACH || dwReason == DLL_THREAD_ATTACH) {
49:         if (!glob_hModule) {
50:             /* keep a handle on the module */
51:             glob_hModule = (HMODULE)hModule;
52:         }
53:     }
54:     return TRUE;
55: }
56:
57: HRESULT DllCanUnloadNow(void) {
58:     if (default_xbee) return 0;
59:     return 1;
60: }
61:
62: /* #####
63: /* ### Win32 DLL COM Code #####
64: /* #####
65:
66: /* this function is from this tutorial:
67:     http://www.codeguru.com/Cpp/COM-Tech/activex/tutorials/article.php/c5567 */
68: BOOL RegWriteKey(HKEY roothk, const char *lpSubKey, LPCTSTR val_name,
69:                 DWORD dwType, void *lpvData, DWORD dwDataSize) {
70:     /* roothk:      HKEY_CLASSES_ROOT, HKEY_LOCAL_MACHINE, etc
71:        lpSubKey:    the key relative to 'roothk'
72:        val_name:    the key value name where the data will be written
73:        dwType:      REG_SZ, REG_BINARY, etc.
74:        lpvData:     a pointer to the data buffer
75:        dwDataSize:  the size of the data pointed to by lpvData */
76:     HKEY hk;
77:     if (ERROR_SUCCESS != RegCreateKey(roothk, lpSubKey, &hk) ) return FALSE;
78:     if (ERROR_SUCCESS != RegSetValueEx(hk, val_name, 0, dwType, (CONST BYTE *)lpvData, dwDataSize)) return FALSE;
79:     if (ERROR_SUCCESS != RegCloseKey(hk)) return FALSE;
80:     return TRUE;
81: }
82:
83: /* this is used by the regsrv32 application */
84: STDAPI DllRegisterServer(void) {
85:     char key[MAX_PATH];

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86:  char value[MAX_PATH];
87:
88:  wsprintf(key, "CLSID\\%s", dllGUID);
89:  wsprintf(value, "%s", dlldesc);
90:  RegWriteKey(HKEY_CLASSES_ROOT, key, NULL, REG_SZ, (void *)value, lstrlen(value));
91:
92:  wsprintf(key, "CLSID\\%s\\InprocServer32", dllGUID);
93:  GetModuleFileName(glob_hModule, value, MAX_PATH);
94:  RegWriteKey(HKEY_CLASSES_ROOT, key, NULL, REG_SZ, (void *)value, lstrlen(value));
95:
96:  wsprintf(key, "CLSID\\%s\\ProgId", dllGUID);
97:  lstrcpy(value, dllid);
98:  RegWriteKey(HKEY_CLASSES_ROOT, key, NULL, REG_SZ, (void *)value, lstrlen(value));
99:
100:  lstrcpy(key, dllid);
101:  lstrcpy(value, dlldesc);
102:  RegWriteKey(HKEY_CLASSES_ROOT, key, NULL, REG_SZ, (void *)value, lstrlen(value));
103:
104:  wsprintf(key, "%s\\CLSID", dllid);
105:  RegWriteKey(HKEY_CLASSES_ROOT, key, NULL, REG_SZ, (void *)dllGUID, lstrlen(dllGUID));
106:
107:  return S_OK;
108: }
109:
110: /* this is used by the regsrv32 application */
111: STDAPI DllUnregisterServer(void) {
112:     char key[MAX_PATH];
113:     char value[MAX_PATH];
114:
115:     wsprintf(key, "%s\\CLSID", dllid);
116:     RegDeleteKey(HKEY_CLASSES_ROOT, key);
117:
118:     wsprintf(key, "%s", dllid);
119:     RegDeleteKey(HKEY_CLASSES_ROOT, key);
120:
121:     wsprintf(key, "CLSID\\%s\\InprocServer32", dllGUID);
122:     RegDeleteKey(HKEY_CLASSES_ROOT, key);
123:
124:     wsprintf(key, "CLSID\\%s\\ProgId", dllGUID);
125:     RegDeleteKey(HKEY_CLASSES_ROOT, key);
126:
127:     wsprintf(key, "CLSID\\%s", dllGUID);
128:     RegDeleteKey(HKEY_CLASSES_ROOT, key);
129:
130:     return S_OK;
131: }
```