Subject: SysInfo - GetProcessName() - bug?
Posted by borbek on Fri, 30 Mar 2012 08:01:48 GMT
View Forum Message <> Reply to Message

The function returns an uninitialized string if OpenProcess or EnumProcessModules return an error.

Perhaps a better way:

```
String GetProcessName(long processID)
{
 WCHAR szProcessName[MAX_PATH];
 String r="";

    // Get a handle to the process.
    HANDLE hProcess = OpenProcess(PROCESS_QUERY_INFORMATION |
PROCESS_VM_READ, FALSE, processID);

    // Get the process name.
    if (hProcess != NULL) {
        HMODULE hMod;
        DWORD cbNeeded;

        if (EnumProcessModules(hProcess, &hMod, sizeof(hMod), &cbNeeded))
        {
            GetModuleBaseNameW(hProcess, hMod, szProcessName,
sizeof(szProcessName)/sizeof(WCHAR));
            r=FromSystemCharset(WString(szProcessName).ToString());
        }

     }

  CloseHandle(hProcess);
  return r;
}
```