Overview

The iBootHB DLL is a Window's Dynamic Linking Library that has been designed to send an iBoot heartbeat message to an iBoot. It contains 4 functions, Init, SendHB, RevcHB and Close. Each of these are described below.

Init

The Init function **must** be called prior to calling any of the other functions in the DLL. It initializes the Window's Socket interface and the DLL's variables.

Function
int Init(char *destIP, int destPort);

Parameters

destIP   This parameter must point to a null terminated string that contains a valid IP address in dotted decimal format.

destPort   This parameter must contain the value of the port that the iBoot is listening on. It must be between 1 and 65535.

Return

This function returns 0 on success, and winsock error code on failure. Winsock error codes can be found at http://www.sockets.com/err_lst1.htm

REF: iboothbdll_v030725s.doc

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SendHB

This function send the iBoot heartbeat to the destination IP address and port that were given to the DLL on the call to Init().

Function
int SendHB(void)

Parameters
None

Returns
This function returns 0 on success, and winsock error code on failure.

RecvHB

This function waits for a response from the iBoot. This function will not return until it has received a response from the iBoot or has timed out.

Function
int RecvHB(void)

Parameters
None

Returns
This function returns 0 on success, and winsock error code on failure.

Close

This function frees all memory used by the DLL and the Window's Socket Interface. This function **must** be called before closing your application. Not calling this function will waist system resources, and leave a bound socket open on the computer.

Function
int Close(void)

Parameters
None

Returns

This function returns 0 on success, and winsock error code on failure.