

Enable Trace Logging

Purpose

When using SmartWORKS products it is possible to enable trace logging. Trace logging is used for the purpose of tracking all API calls and return code.

NOTE: Trace Logging is intended for debugging only. To avoid performance issues, do not run your application with this enabled for an extended period of time.

SmartWORKS v 2.7.1

The following explains how to enable trace logging when running SmartWORKS 2.7.1.

Once enabled, all API calls and return codes generated by the API are logged.

The log file is named - *NTiApi.log* and is stored in the following directory path:

Windows OS - in the root of the drive you are using to run the SmartWORKS application.

Linux OS - /etc/Ai-Logix/

NOTE: If you are running SmartView and your application from two different drives on the computer workstation, then each log file will be placed in the root of each drive. Check the root directory of the drive where your application is running.

To Enable Trace Logging:

Windows:

Add a registry value with the name *APITraceLevel*, of type *DWORD* to the key:

[HKEY_LOCAL_MACHINE / SYSTEM / CurrentControlSet / Services / Ntldr / Parameters]

and set the value data to '1':

APITraceLevel = 1

Linux:

Add a parameter in the conf file:

/etc/Ai-Logix/Ntldr.conf

Under the heading, */NTldr/Parameters* add the following parameter:

APITraceLevel = 1

SmartWORKS v 2.9.0 and later

The following explains how to enable trace logging when running SmartWORKS 2.9.0 and later. Here you have the option of setting more than one flag to control the type of information that is logged.

The log file is named - *NTiApi.log* and is stored in the following directory path:

Windows OS - in the root of the drive you are using to run the SmartWORKS application.

Linux OS - /etc/Ai-Logix/

NOTE: If you are running SmartView and your application from two different drives on the computer workstation, then each log file will be placed in the root of each drive. Check the root directory of the drive where your application is running.

To Enable Trace Logging:

Windows:

Add a registry value with the name - *APITraceLevel*, of type *DWORD* to the key:

[HKEY_LOCAL_MACHINE / SYSTEM / CurrentControlSet / Services / Ntldr / Parameters]

and set the value data to one of the following:

APITraceLevel = 0, 1, 2, 4, 6, or 7 (see below for description)

Linux:

Add a parameter in the conf file:

/etc/Ai-Logix/Ntldr.conf

Under the heading, */NTldr/Parameters* add the following parameter:

APITraceLevel = 0, 1, 2, 4, 6, or 7

0 = no tracing occurs, nothing is written to the trace log

1 = return errors generated by the API are logged (except for *MT_RET_OK*, and *MT_IO_PENDING*)

2 = all API DLL callbacks (this is recommended when using the Callback method)

4 = all API DLL calls (this is recommended when using the Get Event method)

6 = all API DLL callbacks (this is recommended when using the Callback method) AND all API DLL calls (this is recommended when using the Get Event method) (2+4=6)

7 = return errors generated by the API are logged (except for *MT_RET_OK*, and *MT_IO_PENDING*) AND all API DLL callbacks (this is recommended when using the Callback method) AND all API DLL calls (this is recommended when using the Get Event method) (1+2+4=7)