

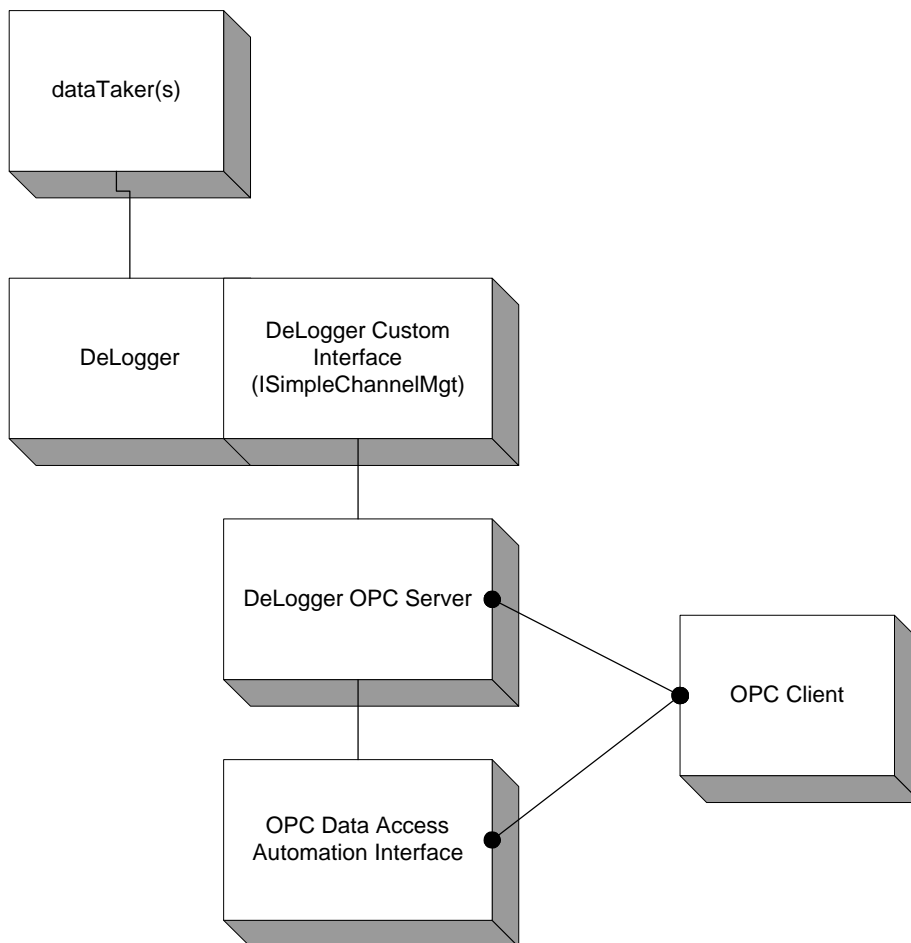
DeLogger OPC Server

OLE for Process Control (OPC) was developed to provide a standard interface to facilitate the development of servers and clients by multiple vendors that would inter-operate seamlessly together. DeLogger supports Version 1 of the specification which is suitable for most cases of data retrieval.

DeLogger has been developed to support OPC as a data server allowing any OPC client access to real-time or logged data from its 50/500/600/800 series of data loggers.

DeLogger OPC Architecture

The OPC implementation for DeLogger is as follows:



The DeLogger OPC Server need not be running on the same machine as the DeLogger application process but consideration should be given to performance if it is to be located across a slower link (i.e. WAN). However, it is recommended that the DeLogger OPC Server is configured to run on the same machine as DeLogger as this will give the best performance.

DeLogger will install all the required components on the server machine but some manual set up is still required. (Please note that there are differences between operating systems, so some options may be on different dialogues)

Set-up DeLogger OPC server on a Win2000 workstation:

1. Run the program executable 'OPC_DA20_Components.exe' located in the '.../DeLogger/opc server' directory.
2. Ensure the Automation Interface is registered with the system by typing 'regsvr32.exe OPCProxy.dll' from a command window.

3. Ensure the DeLogger OPC server DLL is registered with the system by typing 'regsvr32.exe deLoggerOPCServer.dll' from a command window.
4. Run 'dcomcnfg.exe' from the 'Start->Run' option of the Start button.
5. Ensure 'Enable Distributed COM on this computer' is checked or selected.
6. Select 'deLogger OPC Server' and check that the default properties conform to your companies security measures.
7. Close dcomcnfg.exe
8. Run client application and check that DeLogger OPC Server is accessible.

Set-up client access on a separate Win2000 workstation:

1. Run the program executable 'OPC_DA20_Components.exe' located in the '.../DeLogger/opc server' directory.
2. Copy the file 'deLoggerOPCServer.dll' from the server machine and register it with the system by typing 'regsvr32.exe deLoggerOPCServer.dll' from a command window.
3. Run 'dcomcnfg.exe' from the 'Start->Run' option of the Start button.
4. Ensure 'Enable Distributed COM on this computer' is checked or selected.
5. Select 'deLogger OPC Server' and check that the default properties conform to your companies security measures
6. From the 'Location' tab select 'Run application on the following computer' and choose the computer where the DeLogger OPC server is located.

You should now be able to start up your OPC client software and connect through to DeLogger via the OPC interface. If DeLogger is not running, it should start up automatically when selected as a server from OPC client software.

The DeLogger OPC Server is distributed as a DLL so if the OPC client software is running on a separate computer then DeLoggerOPCServer.dll should be run by the surrogate process DLLHOST.EXE which should be found in the Windows/system(32) directory. To set this up, add a new String Value in the registry by using 'regedit.exe'. The details of the key are:

Key: HKEY_CLASSES_ROOT\AppID\{764EA6DE-8DF8-11D2-AC14-00A024A242A2}
New String Value: 'DllSurrogate'
Value of: 'C:\WINNT\system32\dllhost.exe' or wherever your dllhost.exe is located.

This ensured that the DeLogger OPC Server runs in its own surrogate process, which will improve performance when operating across a network.