

Hydstra Installation on 64-Bit Computers

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In some cases, people will need HyDLL registered. HyDLL is a library that programmatically provides access to Hydstra time-series data and functions. If a person uses a script of any sort in their day-to-day work, then the person will have to have HyDLL registered on their computer. Every person who might use scripts will have to have HyDLL registered on each computer. The instructions below explain how to do this. The person registering HyDLL will have to have administrative privileges.

Before you begin, identify the path to HyDLL. The file is `hydll.dll`, and is located in the `\hyd\sys\run` directory. There are two examples below. You will have to change the path in the example to correct path for `hydll.dll` on your computer.

I have taken two sections from the Hydstra Help to assist people installing Hydstra on 64-bit computers. I show the path to the section underneath the title. Alternatively, you can search the Hydstra Help for the section title.

DWR is currently using Hydstra version 10.3.2, released on September 24, 2010.

Windows 7 Installation

System Administration -> Installing Hydstra -> Workstation Setup -> Windows 7 Installation

Windows Versions

Hydstra runs under Windows 7 from version 10.2. Most of the issues are canvassed under the Vista documentation above, and we won't repeat them here.

However there are a couple of new tricks you may need to understand:

- ❖ To install software under Windows 7 you usually need to right click and Run As Administrator. Under some circumstances Windows may even do that for you behind your back. This is all well and good until you want to install to a networked drive, when you may find that the Administrator doesn't have the network drive mounted, even though you do as a user. The trick is to run Windows Explorer as Administrator, mount the network drive you need, then run the installer as Administrator.

- ❖ If you need to manually register HYDLL and you are running Hydstra on a 64 bit computer, make sure you use the 32 bit DLL registration tool. The command will be something like

```
cd %systemroot%\SysWoW64
regsvr32.exe c:\hydstra\prod\hyd\sys\run\hydll.dll
```

- ❖ Note the curious fact that on 64 bit Windows the 32 bit tools live in c:\windows\syswow64, while the 64 bit tools live in c:\windows\system32. Well done Microsoft!

- ❖ We have seen some cases where even regsvr32 fails with a diagnostic. Some people suggest that DEP (Data Execution Protection) is the problem, and that you should disable it for regsvr32 or possibly HYPLORE. Google for instructions on how to bypass DEP for a program.

- ❖ Another approach is to bypass HYPLORE's attempt to register the dll with a command line flag /noregdl:

```
hyxplore /noregdl
```

- ❖ In any event we are trying to wean people of HYDLL.DLL and on to HYDLLP.DLL, which is a true DLL that does not require registration.

HYDLL - Access Hydstra Data

Hydstra/TS – Time Series Archive -> Exporting Time-Series Data -> HyDLL – Access Hydstra Data

REGSVR32 under 64 bit Windows

If you are installing Hydstra on a 64-bit system you need to ensure you use the correct 32 bit version of REGSVR32, namely the one that lives under %systemroot%\SysWoW64. The 64 bit version lives under %systemroot%\System32 (don't ask!), and you should not use that one for Hydstra, which is a 32 bit application. See Running Under Windows 7 for more information.

HYDLL Problems with Vista / Windows 7

If you are running under Windows Vista you will need to elevate your permission level to administrator while you register HYDLL. The advice from Microsoft is as follows:

Write the command to register the specified dll into a batch file

Eg: regsvr32.exe g:\hyd\sys\run\hydll.dll and save it as a batch file.

Right click on this batch file and say run as administrator.

We believe that ONE run of HYPLORE in elevated mode should automatically register the DLL on your PC, and you can then run as a normal user thereafter. You will need to re-do this whenever you move the dll. Right click on HYPLORE.EXE and choose 'Run As Administrator'.

You can also create a shortcut to the following command

```
regsvr32 g:\hyd\sys\run\hydll.dll
```

and then Right click on the shortcut and choose Run as Administrator.

You can also try the RUNAS command to become administrator:

```
runas /user:vistapc\admin "regsvr32 g:\hyd\sys\run\hydll.dll"
```

We have found that sometimes even this doesn't do the job, particularly if the DLL is on the network, as the administrator often doesn't have network drive mounted. Another suggestion is to turn off User Access Control in Vista (if you are allowed to). Start Control Panel/User Accounts and select the "Turn User Account Control on or off" option:

