Revision	Description
4/4/2010	Original

Installing SQL-Hero

Many of SQL-Hero's most powerful features are only available when you install its sever components and then reference them from your SQL development workstations. So how do you go about installing server components? It's all handled from within the same installer program that lets you install the client tools: SQLHEROINSTALL.EXE. When you start this program, if you've used a registration key which is identified as being for an Advanced or Enterprise Edition license, you're given extra choices. Here we've started the installer and provided the global registration key which lets you install pre-1.0 versions of the application:

nstallation options:		View on-line material	s related to SQL-Hero
C Install and Register the Prod	luct		
	ase the product immediately, on-line. Your You will also receive a registration key by e		order completes, and
C Install an Evalation Version			
	nths and is equivalent to the Advanced Edition ny machines it is installed on.	n. You must either register the product	after the evaluation
Install the Product and Regis	ster with a Registration Key		
	on key that supports multiple client installat nents. You can only install the number of lic		
	46GAH999999ZGGGGG8LA744	1	
C Product is already installed	- Register with a Registration Key		
	- Register with a Registration Key nd received a registration key by e-mail. Th	s allows you to upgrade or otherwise re	gister the installed
You may have upgraded an product.	nd received a registration key by e-mail. Th	is allows you to upgrade or otherwise re	gister the installed
You may have upgraded an product.	nd received a registration key by e-mail. Th	s allows you to upgrade or otherwise re	gister the installed
You may have upgraded an product. Product is already installed Runs an update (or repair)	nd received a registration key by e-mail. Th Update / Repair against the already installed product.	s allows you to upgrade or otherwise re	gister the installed
You may have upgraded an product. Product is already installed Runs an update (or repair) Product is already installed	nd received a registration key by e-mail. Th - Update / Repair against the already installed product. - Remove you plan on changing machines on which thi		gister the installed

When you click Next, you're able to take two paths: either install just the client tools or install the server components as well. (Client tools are automatically included when installing server components.) You can also optionally on this screen specify the name of the SQL-Hero application server. If you provide it here, a SQLHeroProfiles.xml file is created in your SQL-Hero application directory which points the client tools at the named server, without having to do anything else. (*If you don't do this here, you'll need to specify the server name after starting SQL-Hero for the first time, on the Settings tool.*)

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Ultimately what you're looking for is to have your client (be it the standalone version of SQL-Hero or SQL-Hero's Visual Studio integration) point at the machine which is hosting your SQL-Hero server components. In the example below, "localhost" is being used, implying you've installed all components on one machine – perfectly acceptable in a small shop. Note that the server name text box is disabled since it was named in a profile (as defined in the SQLHeroProfiles.xml file).

C SQL-Hero
Editor Data Compare Schema Compare Differences History Notifications Create Data Testing Region Diffs Tracing Monitoring Settings
🛐 Active Connections 🚜 All SQL Servers 🛛 💋 Add Connection 📡 Delete 🧃 Manage Aliases 😂 Update SQL-Hero Server 📑 Export 🚽 Import
SQL-Hero Application Server *
Server name
Server must be running to use application
Editor Settings
Background save
Aways consolidate query results
Automatically close oldest editor window
Automatic keyword upper-casing
Dynamically resize panes
Merge results (by default)
Use pop-out toolbars
Automatically save changed editors
* Takes effect after you restart SQL-Hero or Visual Studio
localhost
,

On the next screen of the install wizard, you're presented with a number of choices where you can install one or more of the server components at this time. By letting you pick and choose what you install here, you can create different SQL-Hero topologies. For example, you can install the SQL-Hero database on one server and the WCF hosted server components on a different box. Or you could simply install all server components on a single box.

Note that installing server components on multiple machines requires a valid Advanced or Enterprise license for each machine, given that licensing is per machine. Generally speaking, unless you have a large organization with a large number of developers, a single but adequately provisioned server can host all SQL-Hero components. We've laid that out here, for example:

instan web ser	ver Components				
This does n installation t also need to which the se when setting	ot need to be the same as to work with and the datab ensure the port listed he erver-side components wi g up SQL-Hero clients. T	s the database services the database must be accessible from the server needs to be the ser	ver. These web serve ssible from the web se om client machines th you wish to use a Port o be named on the Set	rish to use to host the SQL-He r components require a SQL- erver using the credentials yo at will use SQL-Hero. Provid tother than 80, your must inclu- tings tab of SQL-Hero client i use TCP, this can be configu	Hero database ou provide below. You e the credentials here ude this port number nstallations. This install
Liser name:	developer	Password:		Database Instance:	(local)\sql2008
oser name.	laeveloper	i assword.	Transa .	Web Port:	80
Install SQL-Her	ro Windows Service (Cha	nge Tracking, Noti	fication Delivery. Trig	iders. etc.)	100
	and the application serve			eduled unit tests, and more.	Provide the service
	and the application serve				Provide the service
credentials User name:	and the application serve developer	r name which host			
credentials User name: Install Databas Run this ins Server 2005	e Components tallation of database com	r name which host Password: ponents to install a sle, you can option	s SQL-Hero services:		localhost
credentials User name: Install Databas Run this ins Server 2005	e Components tallation of database com or 2008 instance availab ase Components to use ti	r name which host Password: ponents to install a sle, you can option	s SQL-Hero services:	Web Server Name: HeroMgmt database. If you d	localhost
credentials User name: Install Databas Run this ins Server 2005 these Datab	e Components tallation of database com or 2008 instance availat base Components to use t Datab	r name [*] which host Password: ponents to install a ole, you can option he Web Service co ase server name:	s SQL-Hero services: and configure the SQL ally install SQL Server mponents. [(ocal)/sql2008	Web Server Name: HeroMgmt database. If you d	localhost to not have a SQL n. You must have
Credentials User name: Install Databas Run this ins Server 2005 these Datab	e Components tallation of database com or 2008 instance availat base Components to use t Datab	r name [*] which host Password: ponents to install a ole, you can option he Web Service co ase server name:	s SQL-Hero services: and configure the SQL ally install SQL Server mponents. [(ocal)/sql2008	Web Server Name: HeroMgmt database. If you d r 2005 or 2008 Express Editio	localhost to not have a SQL n. You must have

In this example, we're using a machine user account called "developer" to provide identity for the SQL-Hero server components, SQL-Hero Windows Service, and this identity is also used when accessing the SQL-Hero central repository database. We suggest using a domain or machine account with minimal privileges that allow SQL-Hero to still operate. This gives you some options, too, when it comes to auditing and security control.

When we click Next at this stage, we've moved onto the "standard" install steps which you would see for installing just the client tools. When it comes time to install the SQL-Hero central repository database, we're also asked for the physical file location to store the data and log files for the database. The default location is a subdirectory called "Database" underneath the SQL-Hero install directory. SQL-Hero Whitepaper Series Codex Enterprises LLC Copyright © 2009-2010

Data file directory:	(application directo	ry)\Database	
Log file directory:	(application directory)\Database		

When we move into the actual installation, the progress text provides us with an indication of what has been done. Here we see that the SQL-Hero Windows Service, web components (i.e. services hosted in IIS), and the central repository database have all been installed successfully.

Installation Complete.		
Finalizing Client Installation Complete		
Installing SQL-Hero Windows Service Complete		
Installing SQL-Hero Web Components Complete		
Installing SQL-Hero Management Database Complete	a	
Note: It is recommended that you set up a	maintenance plan for the SQLHeroMgmt database, including backups and optimizations.	E
Starting SQL-Hero Server Service		
Installation Complete.		
	n-line videos and reading a comprehensive product overview at: /sqlhero.aspx and find other helpful tips at http://www.codexframework.com/sqlhero/fag.asp	x.
Also, be sure to check for recent updates a	t http://www.codexframework.com/sqlhero/downloads.aspx.	•

After this, we're essentially done: all server components have been installed, and the SQL-Hero Windows service has even been started for us. You can go back and fine-tune things beyond the standard install at this time. For example, if you would like to use the TCP protocol for communication between client and server components, you can do this using some simple steps outlined in the <u>FAQ</u>.

This installation process is also covered in a video, available on-line.