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 materials r	elated to SQL-Hero
C Install and Register the Proc	duct		
You will be able to purch it can be entered below.	hase the product immediately, on-line. Your You will also receive a registration key by	registration key will be shown when your or e-mail, as backup.	rder completes, and
C Install an Evalation Version			
This will be good for 2 mo period or remove it from a	on the and is equivalent to the Advanced Edition any machines it is installed on.	on. You must either register the product aft	er the evaluation
Install the Product and Regi	ister with a Registration Key		
If you received a registrati install server-side compo	tion key that supports multiple client installat onents. You can only install the number of lic	ons, this option allows you to install on mu enses purchased, and this is verified at this	ltiple machines, or s time.
	46GAH999999ZGGGGG8LA744	2	
C Product is already installed	- Register with a Registration Key		
 Product is already installed You may have upgraded a product. 	I - Register with a Registration Key and received a registration key by e-mail.	is allows you to upgrade or otherwise regis	ster the installed
 Product is already installed You may have upgraded a product. Product is already installed 	Register with a Registration Key and received a registration key by e-mail. The second s	is allows you to upgrade or otherwise regis	ster the installed
 Product is already installed You may have upgraded a product. Product is already installed Runs an update (or repair) 	I - Register with a Registration Key and received a registration key by e-mail. The Update / Repair () against the already installed product.	is allows you to upgrade or otherwise regis	ster the installed
 Product is already installed You may have upgraded a product. Product is already installed Runs an update (or repair, Product is already installed 	I - Register with a Registration Key and received a registration key by e-mail. Th I - Update / Repair r) against the already installed product. I - Remove	is allows you to upgrade or otherwise regis	ster the installed
 Product is already installed You may have upgraded a product. Product is already installed Runs an update (or repair, Product is already installed Uninstalls the product. If need to uninstall using this 	Register with a Registration Key and received a registration key by e-mail. TI Update / Repair against the already installed product. Remove you plan on changing machines on which th is option.	is allows you to upgrade or otherwise regis	ster 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).

y sqL-nero
Editor Data Compare Schema Compare Differences History Notifications Create Data Testing Region Diffs Tracing Monitoring Settings
🛐 Active Connections 🚜 All SQL Servers 🛛 💋 Add Connection 👔 Delete ij 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
Always 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:

	ver Components				
Run this ins This does n installation also need to which the se when setting assumes th	tallation of web service ot need to be the same to work with and the dat o ensure the port listed 1 erver-side components g up SQL-Hero clients. at the services will be h	components on the as the database served base must be accessible for will be run using. If This server needs to osted under IIS 6 or	server machine you v ver. These web serve ssible from the web s om client machines th you wish to use a Por o be named on the Se higher. If you wish to	vish to use to host the SQL-He r components require a SQL- erver using the credentials yo at will use SQL-Hero. Provid t other than 80, you must inclu- tings tab of SQL-Hero client i use TCP, this can be configu	ero back-end services. Hero database u provide below. You e the credentials here ude this port number nstallations. This install red manually.
liser name:	Ideuslanar	Pasaword		Database Instance:	(local)\sql2008
oser name.	Ideveloper	i assword.	The second secon	Web Port:	80
Install SQL-He	ro Windows Service (Cl	nange Tracking, Not	fication Delivery. Trid	oders, etc.)	1
credentials	and the application serv	ver name which host	s SQL-Hero services	equied unit tests, and more.	Provide the service
credentials User name:	developer	Password:	s SQL-Hero services	Web Server Name:	Provide the service
credentials User name: Install Databas	developer e Components	Password:	s SQL-Hero services	eduled unit tests, and more.	localhost
credentials User name: Install Databas Run this ins Server 2005 these Datab	e Components tallation of database cot o or 2008 instance avail ase Components to use	Password: Password: mponents to install a able, you can option the Web Service co	and configure the SQL and configure the SQL and sources	Web Server Name: Web Server Name: HeroMgmt database. If you d	localhost localhost to not have a SQL on. You must have
credentials User name: Install Databas Run this ins Server 2005 these Datab	e Components tallation of database co or 2008 instance avail ase Components to use Data	mponents to install a able, you can option the Web Service co base server name:	and configure the SQL and configure the SQL ally install SQL Serve imponents. [(ocal)\sql2008	HeroMgmt database. If you d	localhost localhost do not have a SQL on. You must have
credentials User name: Install Databas Run this ins Server 2005 these Datab For the purp	e Components tallation of database cco or 2008 instance avail ase Components to use Data bose of installation, you	mponents to install a able, you can option the Web Service co base server name: need to log on using	and configure the SQL and configure the SQL ally install SQL Serve imponents. ((ocal)\sql2008 sufficient privilege to	HeroMgmt database. If you d r 2005 or 2008 Express Editio	localhost localhost do not have a SQL on. You must have s, etc.
Credentials User name: Install Databas Run this ins Server 2005 these Datab For the purp I♥ Us	e Components tallation of database co or 2008 instance avail base Components to use Data base of installation, you te Integrated Security	mponents to install a able, you can option the Web Service co base server name: need to log on using User name:	and configure the SQL and configure the SQL ally install SQL Serve imponents. [(ocal)\sql2008 sufficient privilege to	HeroMgmt database. If you d br 2005 or 2008 Express Edition create a database, add logins Password:	Iocalhost localhost o not have a SQL on. You must have s, etc.

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

	plication director	y)\Database	
Log file directory: (app	(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		•
nstalling SQL-Hero Windows Service Complete		
nstalling SQL-Hero Web Components Complete		
nstalling SQL-Hero Management Databas Complete	e	
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		
nstallation Complete.		
Learn more about SQL-Hero by watching on the second s	on-line videos and reading a comprehensive product overview at: /sglhero.aspx and find other helpful tips at <u>http://www.codexframework.com/sglhero.fag</u> asp:	<u>.</u>
Also, be sure to check for recent updates a	at 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.