

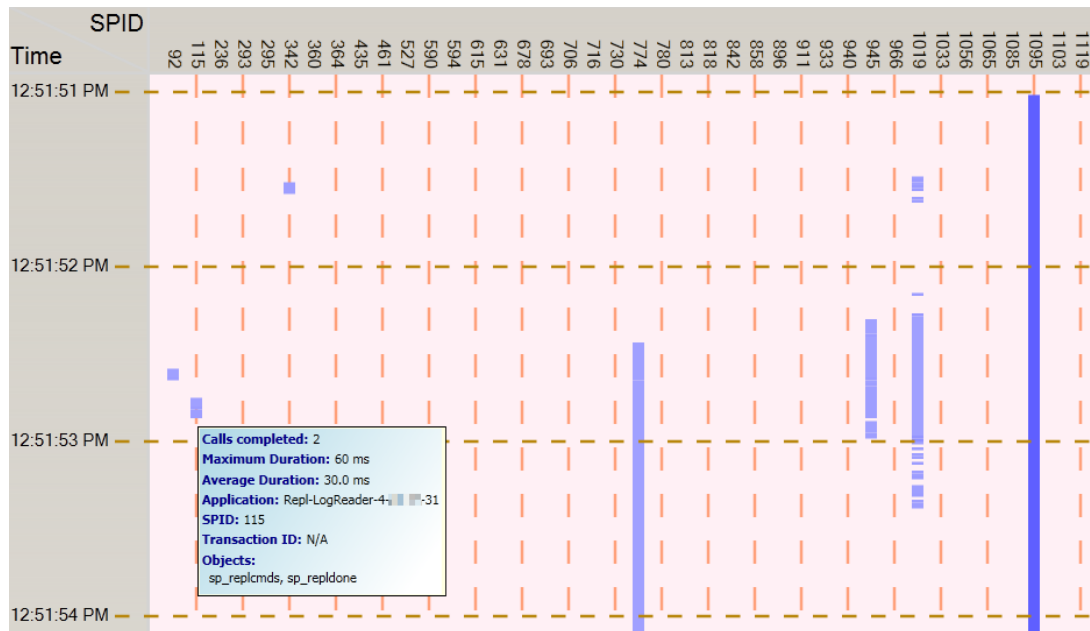
Version 0.9.7 Release Notes

This document covers only a subset of changes since the last major release, 0.9.6. It focuses on some of the more compelling new features, although there were numerous fixes and improvements in *all* areas.

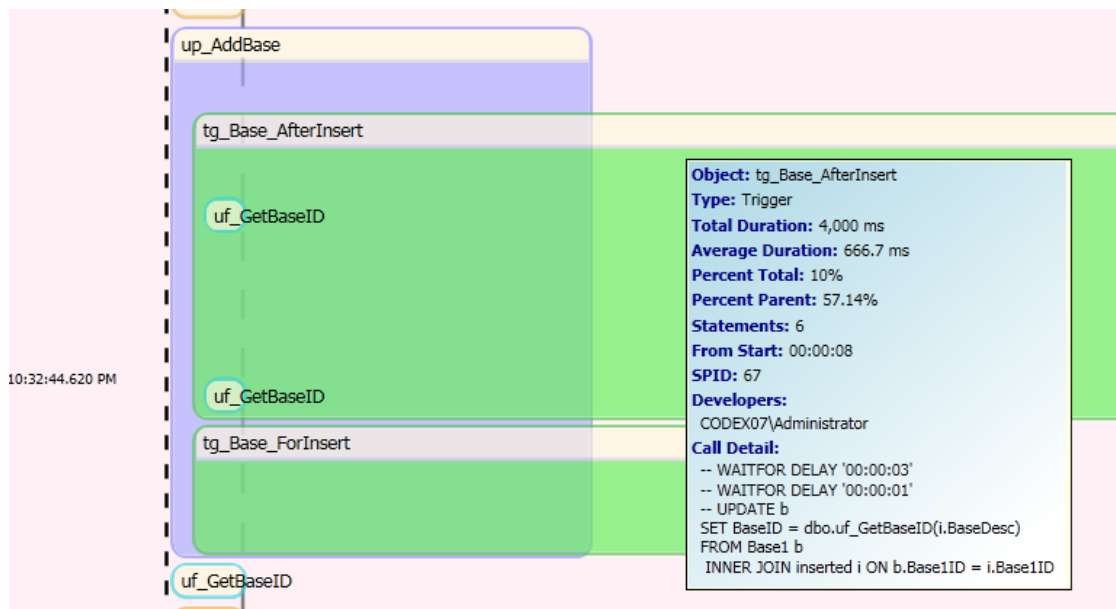
Tracing

Two new major trace reports are available that take standard trace data (captured by SQL-Hero® or SQL Profiler) and view it graphically. These reports have many rendering options, support zoom-in/out, include a great deal of information in tool tips, and support navigation directly to objects using the SQL Editor. These reports can be accessed with two mouse clicks from whatever data you have loaded into the event grid.

The first report presents all connections across the screen, with time down the screen, showing all activity as it occurs concurrently:



The second report highlights performance issues by showing calls as nested rectangles whose widths represent relative duration and heights represent absolute duration – with a number of options to control finer display rules. Problem situations such as failed procedure calls are highlighted in both reports.



Two other new trace reports include “Failure Detail” and “Failure Summary.” The detail report includes information about specific failure conditions, including the object in question, the names of the developers who have touched it, and in some cases, detailed call stack information (for example, when dealing with blocking and deadlocks). The summary report shows counts of failures over different time periods, allowing for easy comparative analysis. These reports can be scheduled to be delivered via email.

Other minor refinements for the tracing tool include the ability to have a completely silent trace capture (good when dealing with a large number of events), quick filtering to events originating from your machine, and automatic “shredding” of deadlock and blocking events to provide richer detail on reports. The trace repository management screen has some new search criteria and performance has been improved.

SQL-Hero functionality is available equally under Visual Studio 2005, 2008 and now, 2010.

An option has been added to the installation program which lets you install all components in a single step (on a single machine). This simplifies the process of getting full application functionality in a matter of *minutes*.

SQL 2008 R2 databases are identified as such now. The product now supports SQL Server 2000, 2005, 2008, 2008 R2, and SQL Azure.

The SHDBSync tool has been introduced to support continuous integration and scripted operations that can synchronize databases in terms of data and/or schema. The tool uses a configuration file that supports different sequenced tasks and can generate emails with applied scripts and encountered errors. There are some advanced properties that control finer aspects of scripting such as suppression of triggers, policies for handling required data that may be missing in a target db, object filtering based on name (pattern or list), modified date, etc.

SHDBSync has undergone substantial changes for version 0.9.7, including the adding of new task types, config file validation, and new task attributes.

A number of enhancements and fixes were applied to the SQL Editor tool. Some examples include:

- The addition of an “Other Related” node underneath the “Dependencies” node. Expanding this reveals objects related by name, by reference (e.g. via foreign keys) and by content (in some cases more accurate than traditional dependencies).
 - The “Collected Usage Data” node has been added to quickly observe prior calls to the object
 - Auto-indent option
 - Preview referenced data (option available on table columns which are foreign keys)
 - Grid changes – identifies required fields and supports pasting of new rows into editable grids; more export options
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The SQL-Hero service has been enhanced to automatically perform standard maintenance tasks against the SQLHeroMgmt database, removing the need to manually set this up. This helps the database maintain optimal performance at all times and ensures backups are available immediately, out-of-the-box. Settings related to this can be configured as desired using SQLHeroServer.exe.config.

Documentation on these and other existing features can be found at www.codexframework.com/sqlhero/onlinehelp.aspx (the content here will be enhanced continually with more and more detail, so we recommend checking back regularly).

VS 2010 Integration

Installation

SQL 2008 R2 Support

SHDBSync Command Line Tool

SQL Editor

SQL-Hero Server Service

Help / docs