



SQL-Hero

Feature of the Month: Audit & History

Visit us and download a Beta version of SQL-Hero at:

<http://www.codexframework.com/SQLHero>

Q: Do I need to use the SQL-Hero editor to take advantage of History & Auditing?

A: With SQL 2005 and 2008, it's less important since the DDL Trigger Change Tracking feature can be used, although there are some advantages to using the Editor such as automatic prompting for comments – something not available in most other tools.

Q: Why not use other products that offer SQL Server source control?

A: Most of these tools will not provide the true history of the *physical* database. When combined with SQL-Hero's unobtrusive auditing features, additional questions can be answered. Besides: it's often those pesky physical database changes that pose the most problems from an audit perspective.

Q: Must I use SQL-Hero to view an object's history?

A: The SQL-Hero client is one way; another is to use SQL-Hero web reporting, available in the Advanced Edition.

Contact:
admin@codexframework.com

Tracking changes you or others make in SQL Server databases has never been so easy: imagine having a search screen with 16 different criteria, 5 different report styles, allowing you to view every single change made to SQL objects.

SQL-Hero History Search Start Page

Style: Latest Version Only Max Rows: 100 Search Clear Show Criteria Apply Label

Search Criteria...

Attribute	Value	Value End
Database	Local-Test3	
Object Name Equals		
Object Name Like	%customer%	
Object Type	Stored Procedure	

Search Results...

Database	Date	Text	User	Host Name	Name	Type	Owns	Comment	Version	Actio
Local-Test3	11/7/2007 6:5	drop procedure [dbo].	JOELCH-P	JOELCH-PC	up_Custo	Stored Pr	dbo		13	D
Local-Test3	11/7/2007 6:5	drop procedure [dbo].[up_Customer_i]	JOELCH-P	JOELCH-PC	up_Custo	Stored Pr	dbo		13	D
Local-Test3	11/7/2007 6:5	drop procedure [dbo].[up_Customer_d]	JOELCH-P	JOELCH-PC	up_Custo	Stored Pr	dbo		13	D
Local-Test3	11/7/2007 6:5	drop procedure [dbo].[up_Customer_u]	JOELCH-P	JOELCH-PC	up_Custo	Stored Pr	dbo		13	D
Local-Test3	11/7/2007 6:5	if exists (select * from dbo.sysobjects	JOELCH-P	JOELCH-PC	up_Custo	Stored Pr	dbo		5	D
Local-Test3	11/7/2007 6:5	if exists (select * from dbo.sysobjects	JOELCH-P	JOELCH-PC	up_Custo	Stored Pr	dbo		5	D
Local-Test3	11/7/2007 6:5	CREATE PROCEDURE [dbo].	JOELCH-P	JOELCH-PC	up_Custo	Stored Pr	dbo	Renaming	1	I
Local-Test3	11/7/2007 6:3	ALTER PROCEDURE [dbo].	JOELCH-P	JOELCH-PC	up_Custo	Stored Pr	dbo	Added @CustomerTypeI	7	U

```

CREATE PROCEDURE [dbo].[up_Customer_Search_Ver2]
@RetVal int = NULL OUTPUT,
@Msg varchar(200) = NULL OUTPUT,
@NameLike nvarchar(100),
@CustomerNumber varchar(10),
@CustomerTypeID int
AS
/*****

```

Now imagine being able to compare versions in an easy to understand, color-coded tool window – right within Visual Studio:

SQL-Hero Text Differences SQL-Hero History Search Start Page

Find Next Diff Ignore Case Ignore Padded Blanks

Local-Test3 dbo.up_Customer_Search, 11/7/2007 6:38:27 AM

```

ALTER PROCEDURE [dbo].[up_Customer_Search]
@RetVal int = NULL OUTPUT,
@Msg varchar(200) = NULL OUTPUT,
@NameLike nvarchar(100),
@CustomerNumber varchar(10),
@CustomerTypeID int
AS
/*****
Name: dbo.[up_Customer_Search]
Description: General customer search procedure
Log:
JOELCH-PC\sqluser 11/4/2007 9:09 PM Created
JOELCH-PC\sqluser 11/4/2007 9:11 PM Added @Cust
JOELCH-PC\sqluser 11/4/2007 9:15 PM Fix for lik
JOELCH-PC\sqluser 11/7/2007 6:38 AM Added @Cust
*****/
BEGIN
SET NOCOUNT ON
DECLARE @_e int
SET @_e = 0

```

Local-Test3 dbo.up_Customer_Search, 11/4/2007 9:15:16 PM

```

ALTER PROCEDURE [dbo].[up_Customer_Search]
@RetVal int = NULL OUTPUT,
@Msg varchar(200) = NULL OUTPUT,
@NameLike nvarchar(100),
@CustomerNumber varchar(10)
AS
/*****
Name: dbo.[up_Customer_Search]
Description: General customer search procedure
Log:
JOELCH-PC\sqluser 11/4/2007 9:09 PM Created
JOELCH-PC\sqluser 11/4/2007 9:11 PM Added @Cust
JOELCH-PC\sqluser 11/4/2007 9:15 PM Fix for lik
*****/
BEGIN
SET NOCOUNT ON
DECLARE @_e int
SET @_e = 0

```

A number of questions can be answered with this functionality:

- Who dropped an object and what did its last version contain?
- What objects did you change in a given timeframe?
- What objects contain specific text?
- How recently was a specific object changed?
- What objects are associated to a specific work item?
- What comments are linked to the history of an object?

... and the list goes on.

For a more complete demonstration, watch a SQL-Hero intro video:
<http://www.codexframework.com/sqlhero/sqlhero.aspx>

