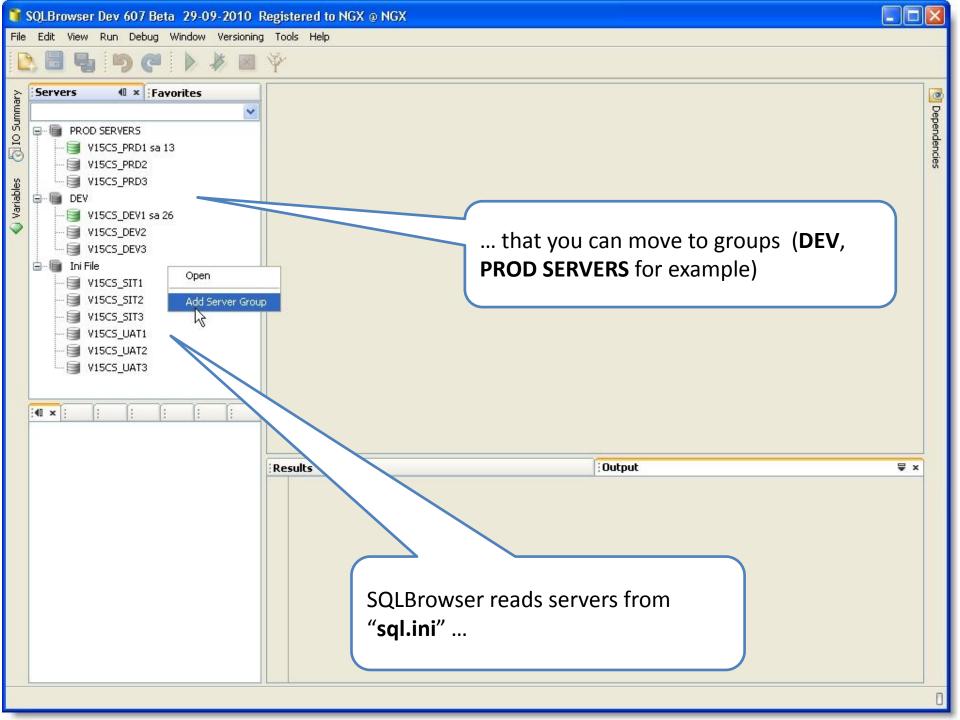
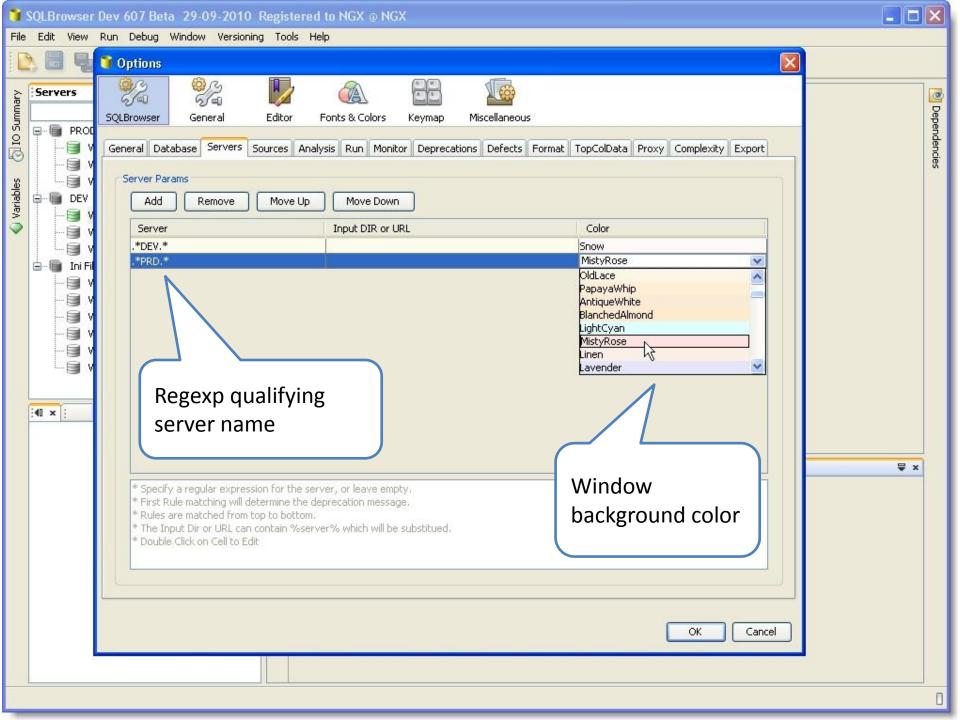


Screen Shots

sql.ini File, Servers

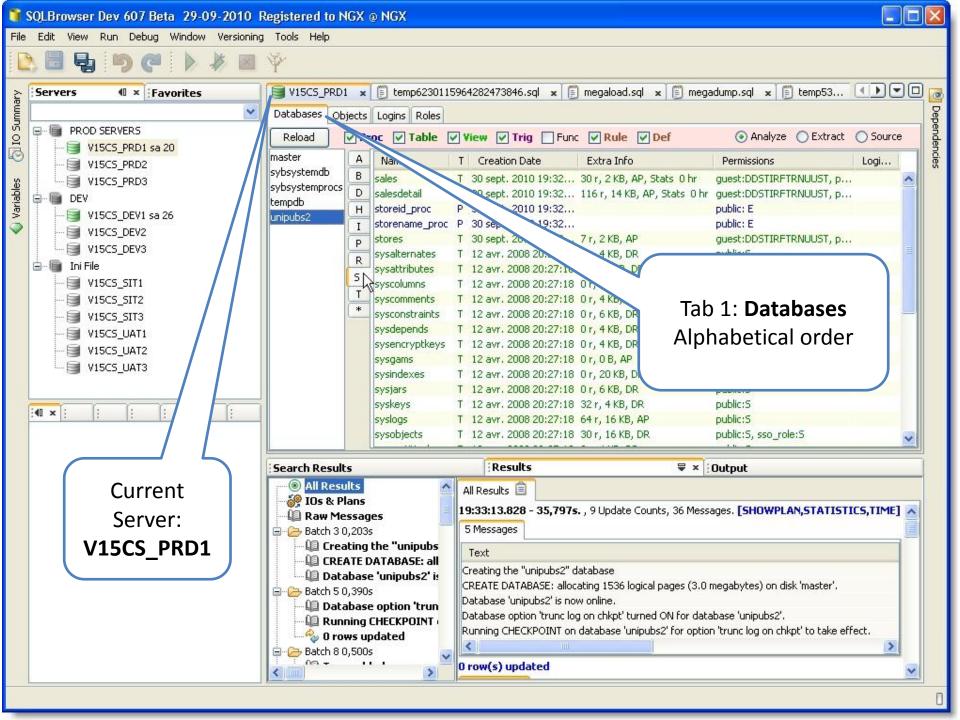
- SQLBrowser reads an sql.ini file
- Servers can be organised in groups
- A color can be assigned to servers. It will be used as the windows background color

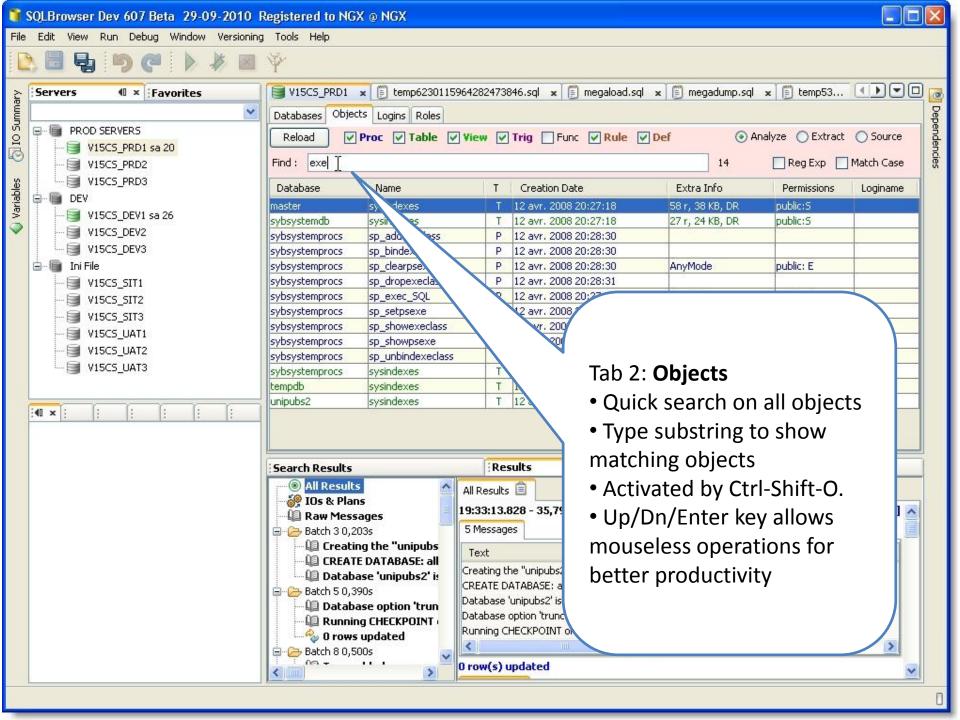


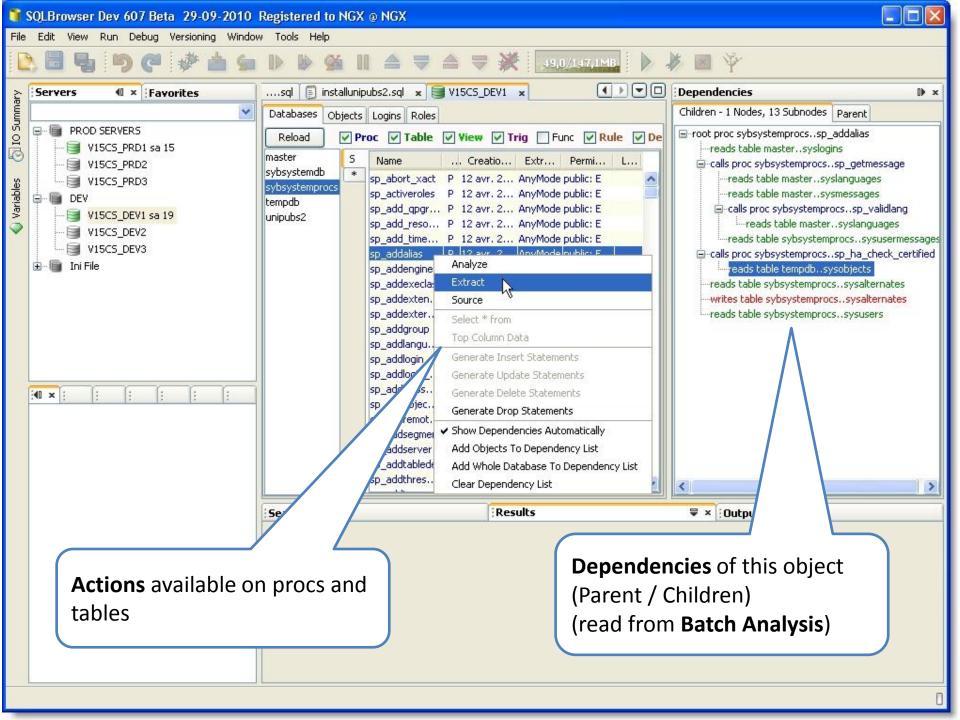


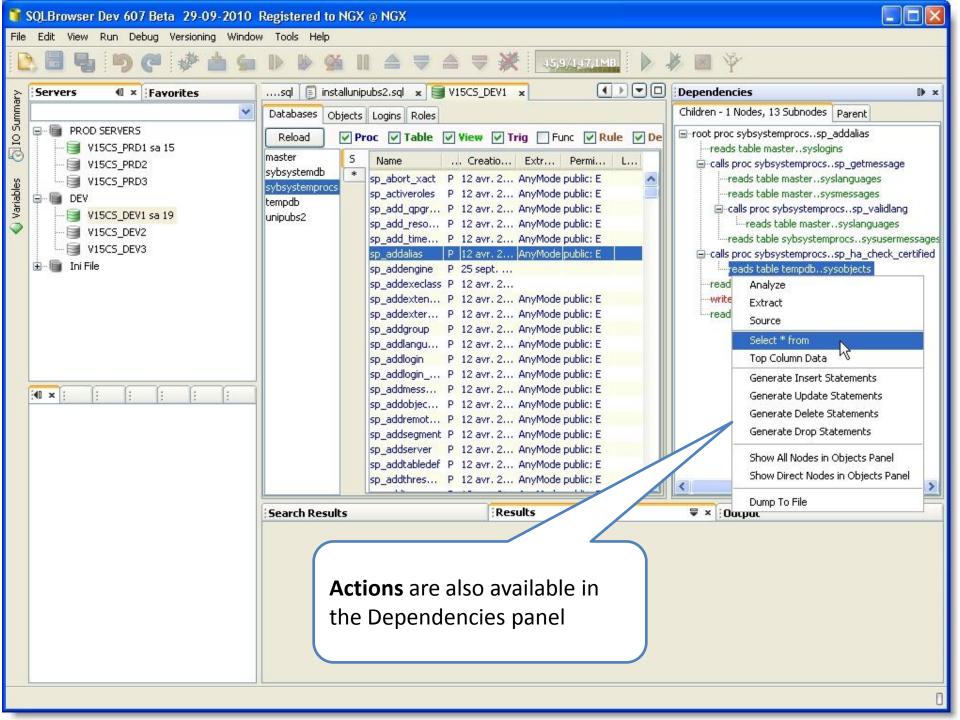
Objects Window

- 2 tabs:
- By database, alphabetical order
- Global view, lookup by name (recommended approach when you know what you look for faster)



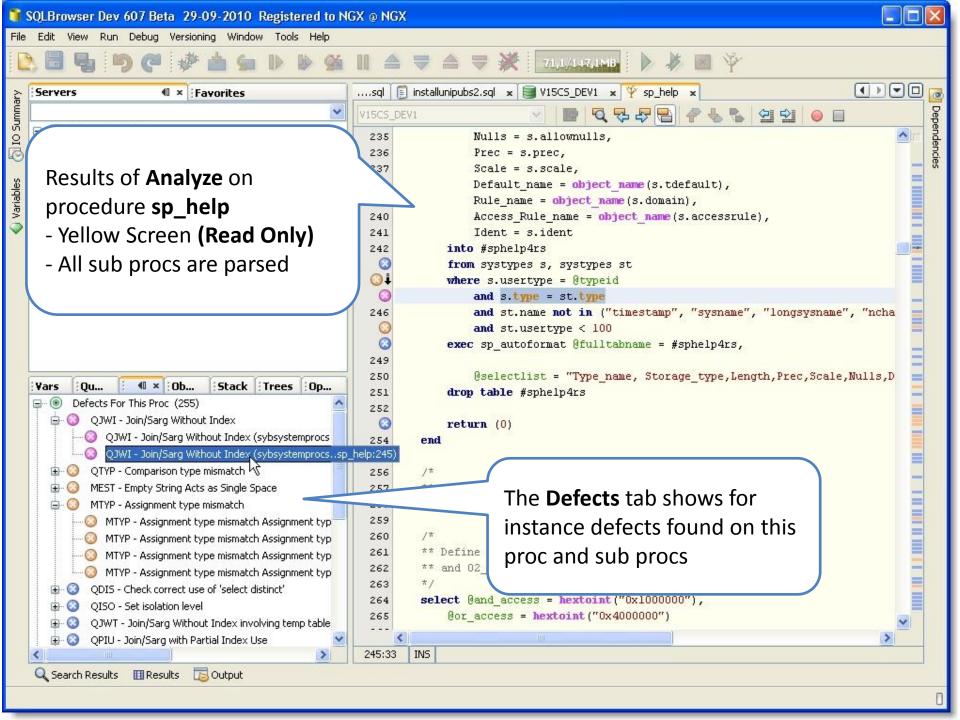


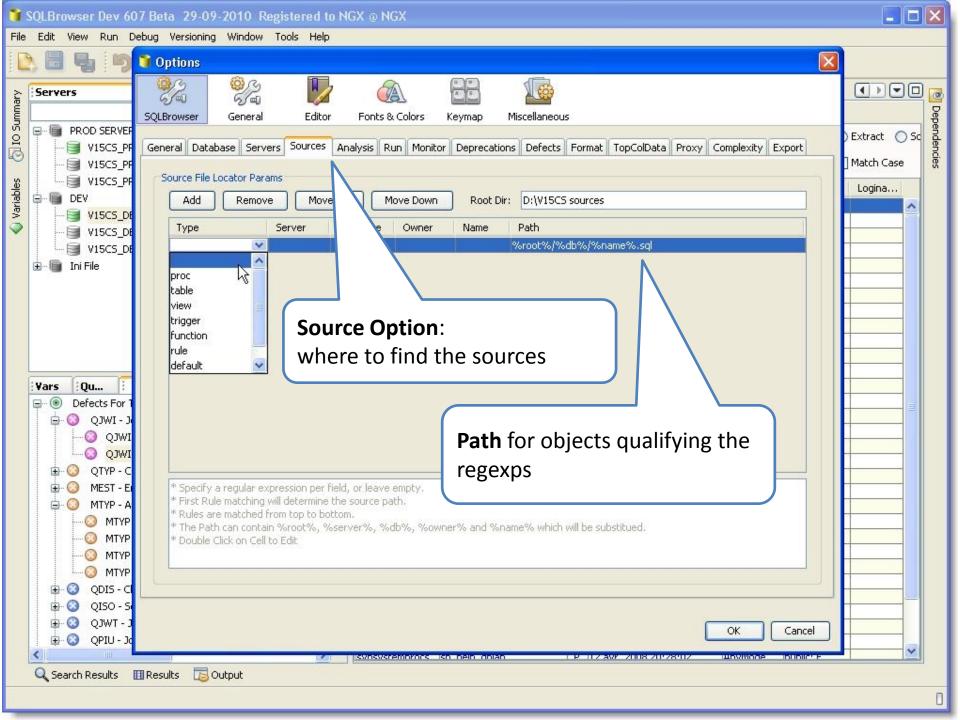




Actions on Objects

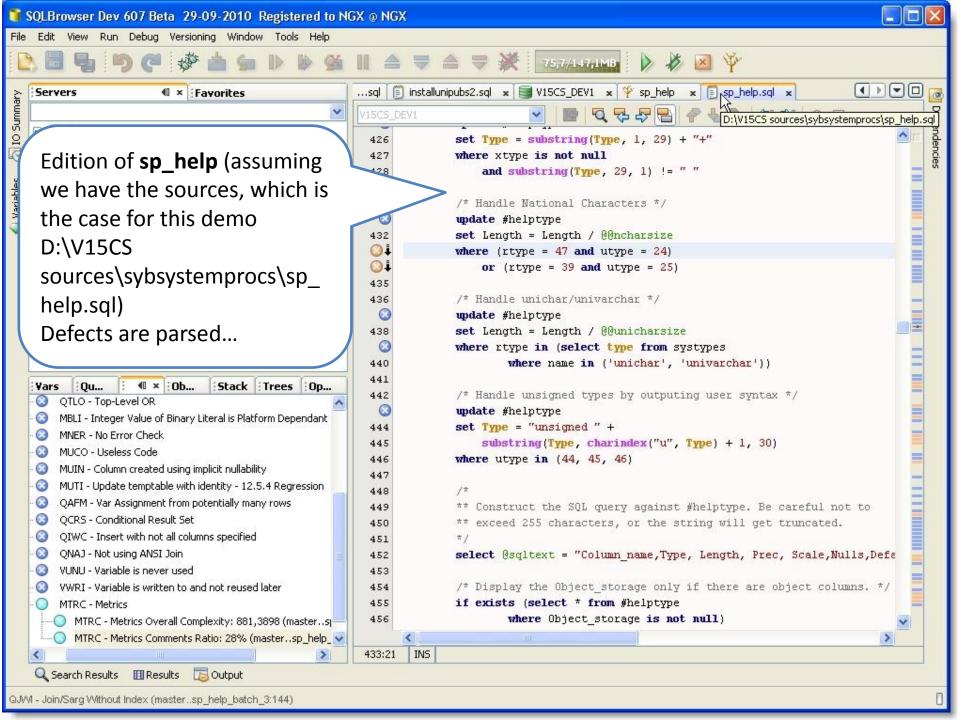
- Analyze: Analyze an object and its sub-procs.
 Allows to see defects, queries...
- **Extract**: Extracts the body of an object (not recommended for code maintenance!)
- Source: Opens the source file matching this object (recommended for code maintenance!)

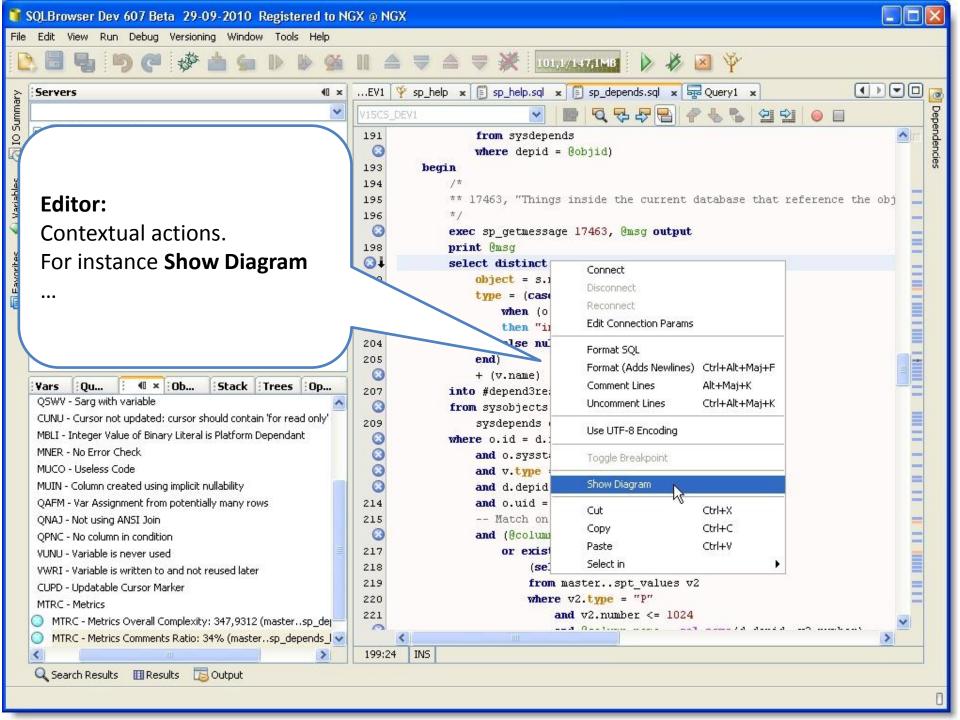


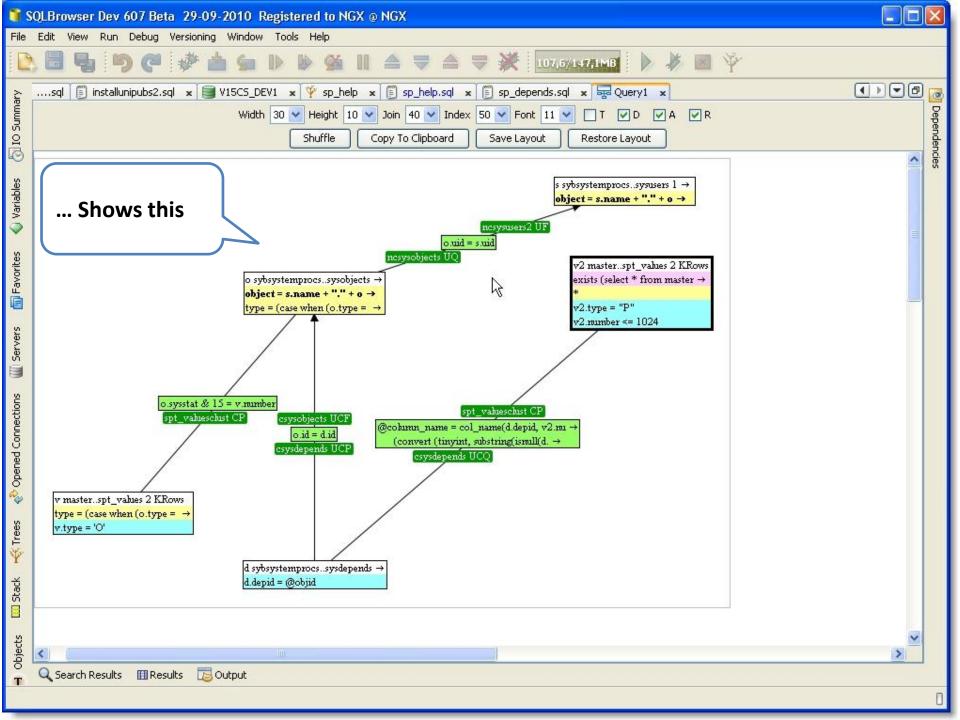


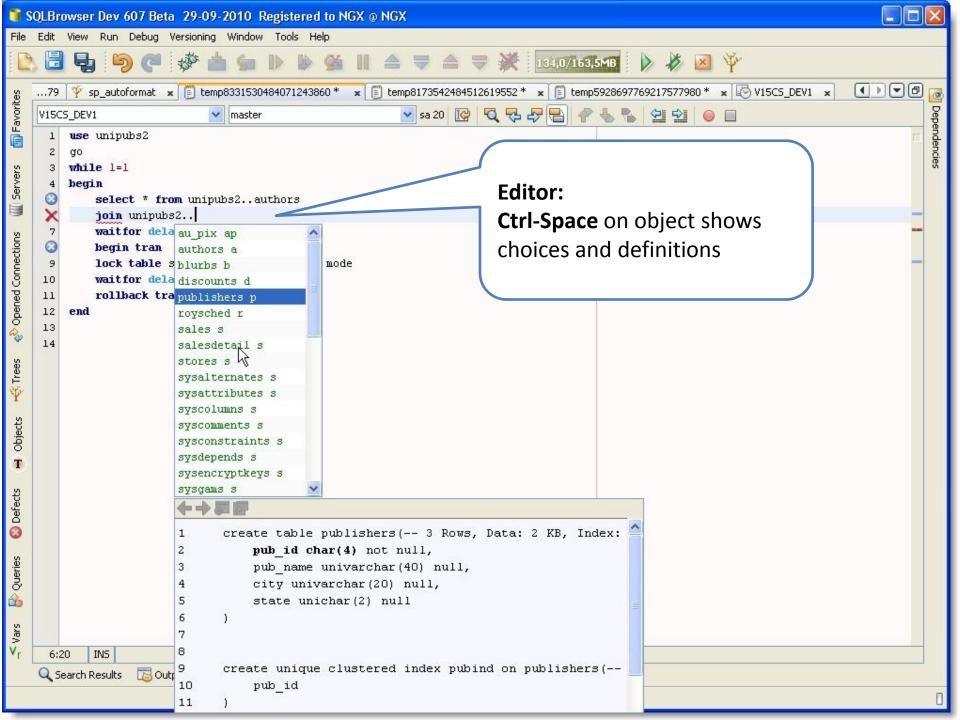
SQL Editor

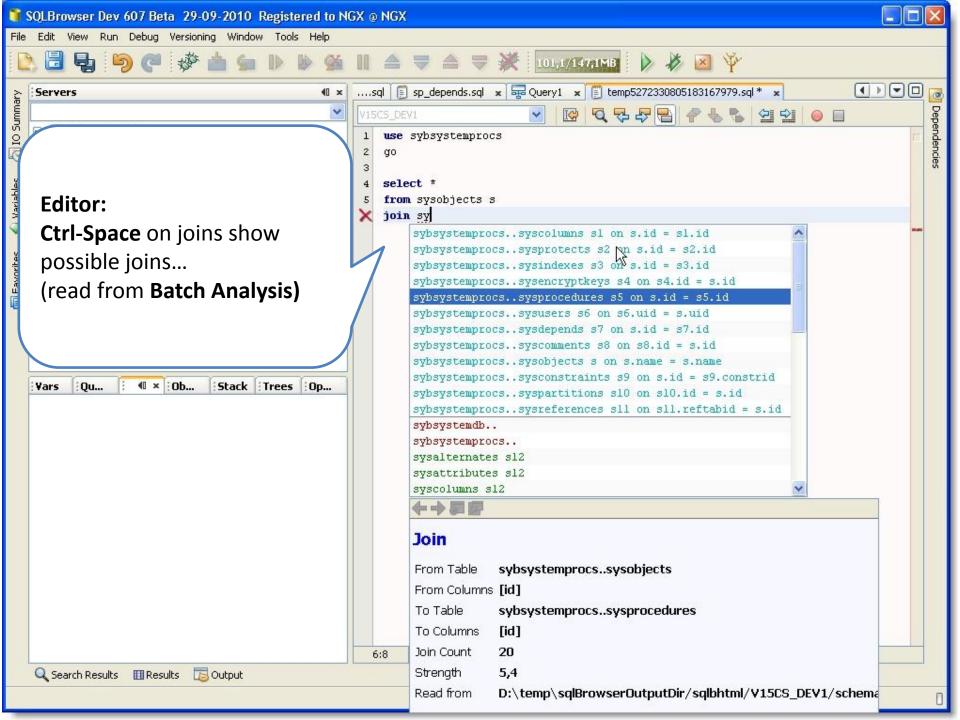
- Coloration
- Auto Completion for names
- Auto Completion for joins
- Reformatting
- Commenting
- Inline Defects Analysis
- Abbreviations and Macros





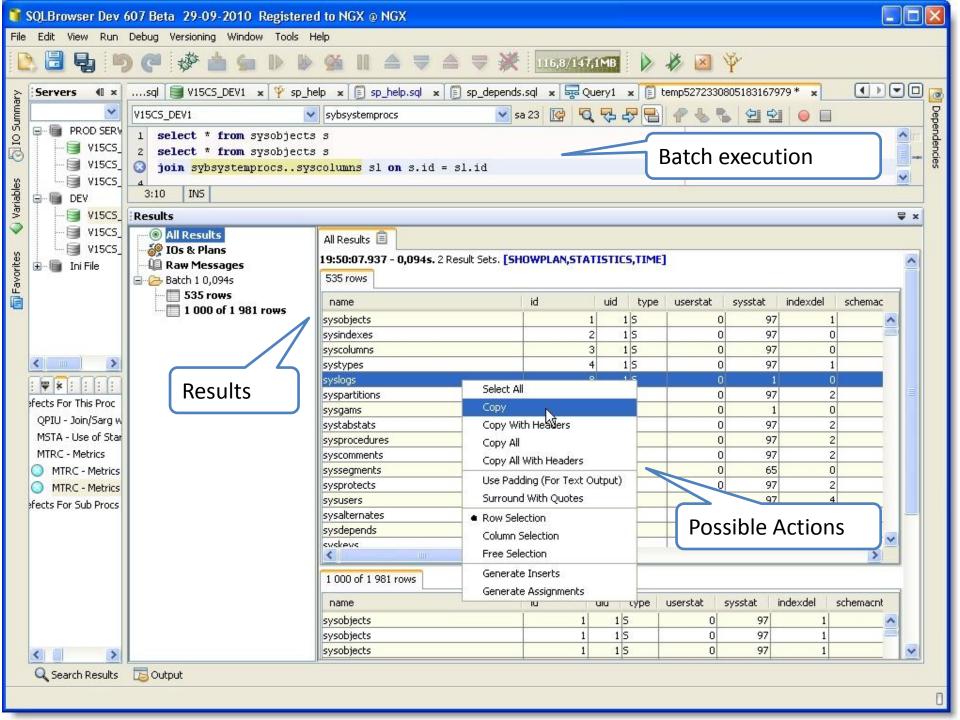


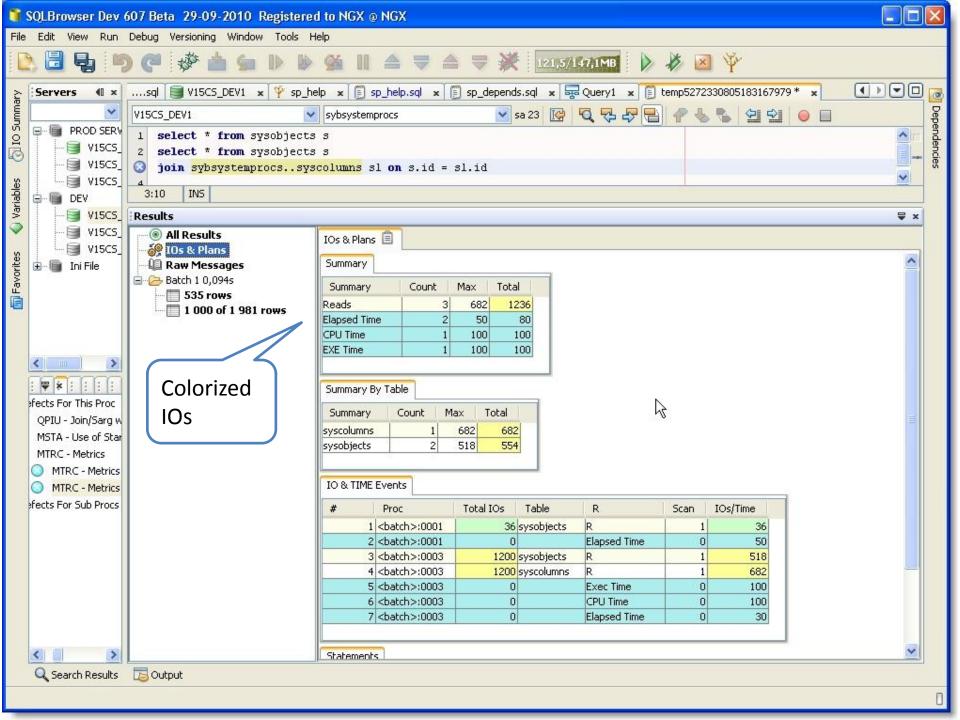




Running Queries

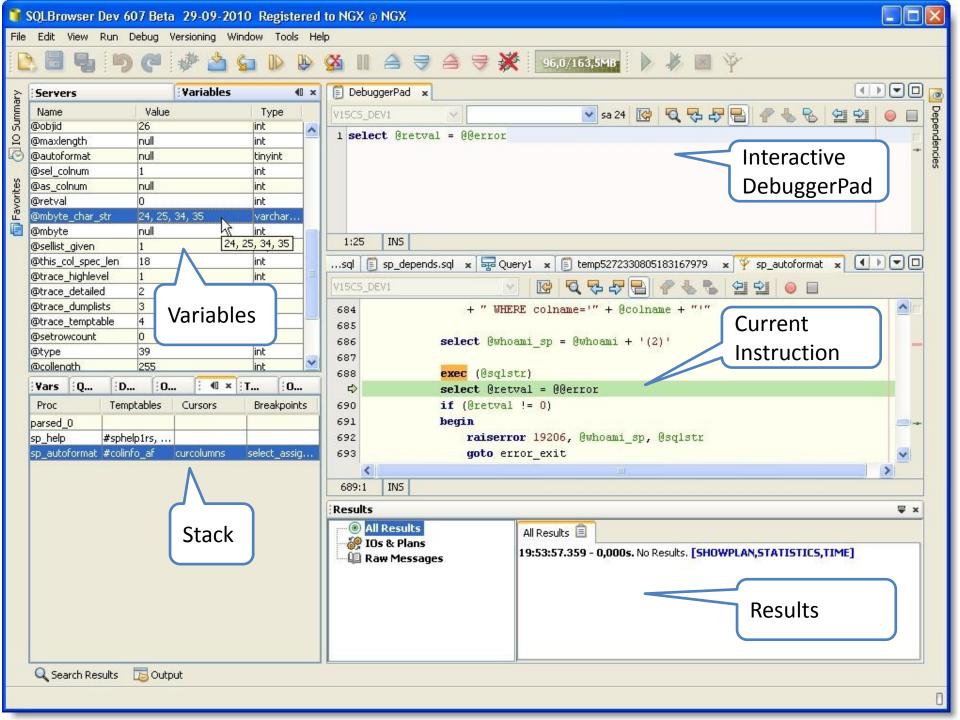
- With possible options (showplan, fmtonly)
- Interruptible
- Colorized IO and plans
- Concurrent executions in multiple windows
- Various actions on Result-Sets





Debugger

- Step by Step
- Break Points
- Interruptible
- Inspection / Change of variables
- On the fly executions in the debugger pad (allows for tuning for instance)



Data Analysis

- Simple function which shows most representative values in a table
- Allows to understand table content
- Interesting complement of select *
- Spots useless columns





Top Representative Values for **sybsystemprocs..sysobjects** 535 Rows. Elapsed Time: 00:00:00.016

name longsysname(255)	id int	uid int	type char(2)	userstat smallint			indexdel smallint		schemacnt smallint		sysstat2 int		crdate datetime	expdate datetime	deltrig int		updtrig int	se int
Ignored	Other 96% 1 0% 2 0% 3 0% 4 0% 5 0% 6 0% 7 0% 8 0% 9 0% 10 0% 11 0% 12 0% 13 0% 14 0% 15 0% 17 0% 16 0% 17 0% 18 0% 23 0% 29 0% 28 0%	1 100%	P 91% S 5% XP 1% U 1% V 0%	0 100%	4 -32700 97 67 8289 1 65 2 81 113 83	83% 9% 0% 0% 0% 0% 0%	0 2 3 1 4	95% 2% 0% 0%	0	100%	128 134217888 229376 8388768 73728 229888 98304 416 74240	8%	Ignored	Ignored	0 100%	0 100%	0 100%	0

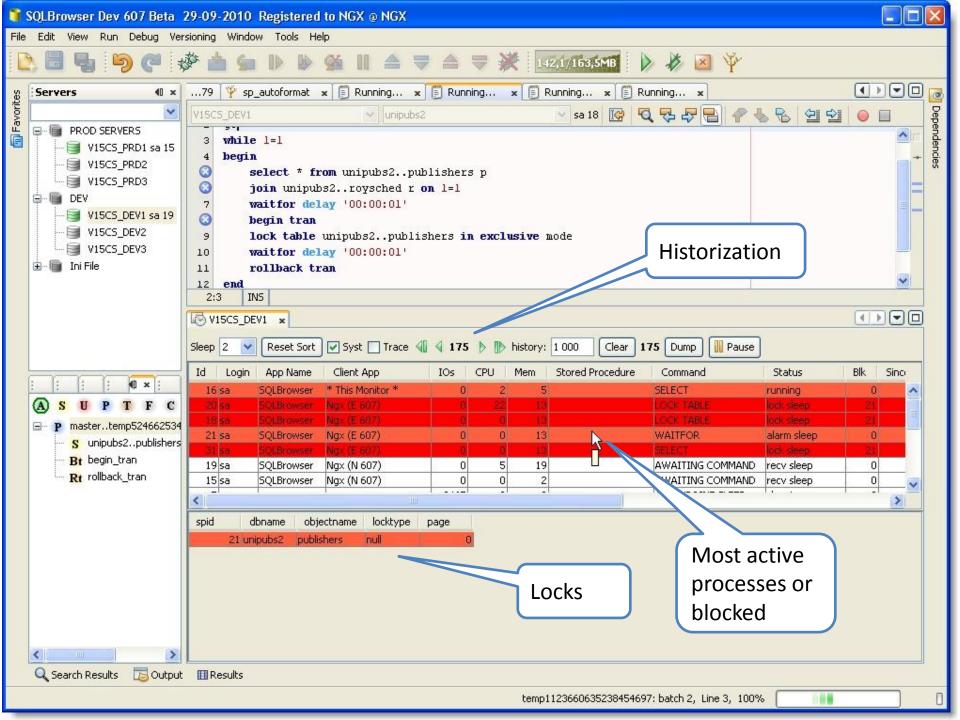
Generated by SQLBrowser Dev 607 Beta 29-09-2010 for server V15CS_DEV1 NGX400:5007 Adaptive Server Enterprise/15.0.2/EBF 14332/P/NT (IX86)/Windows 2000/ase1502/2486/32-bit/OPT/Thu May 24 04:10:36 2007 on 30 sept. 2010

Analysis of sysobjects.

Values are shown by order of frequency

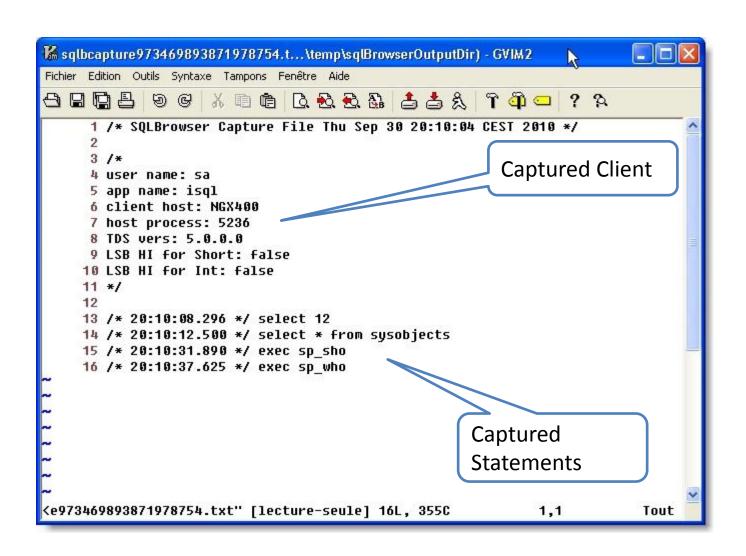
Monitor

- Shows Active Processes
- Shows Locked Tables
- Shows Locked Processes



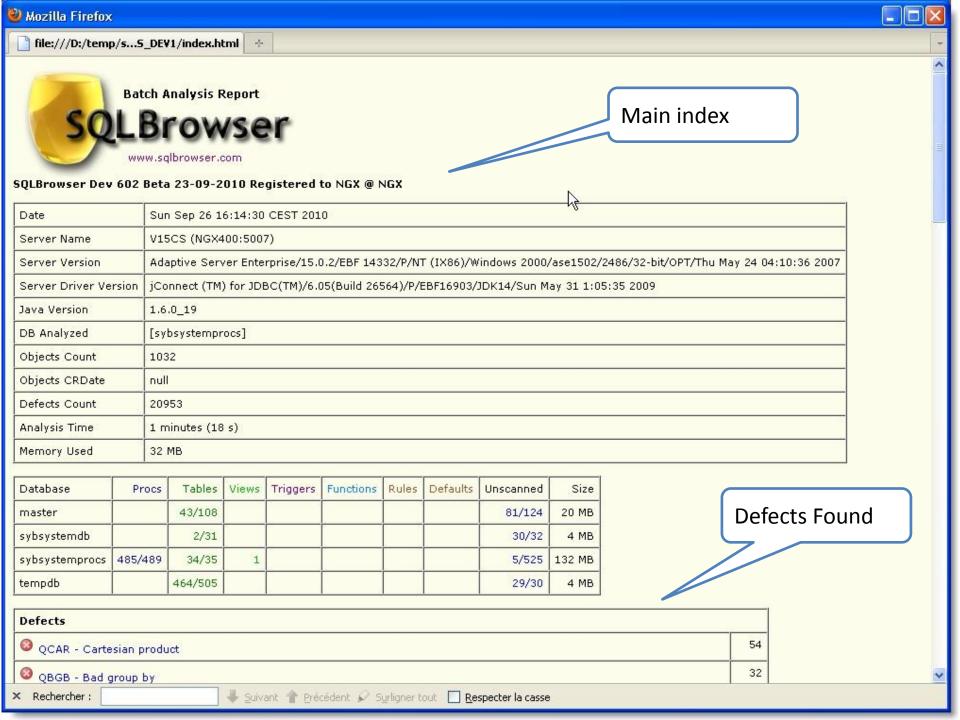
Capture

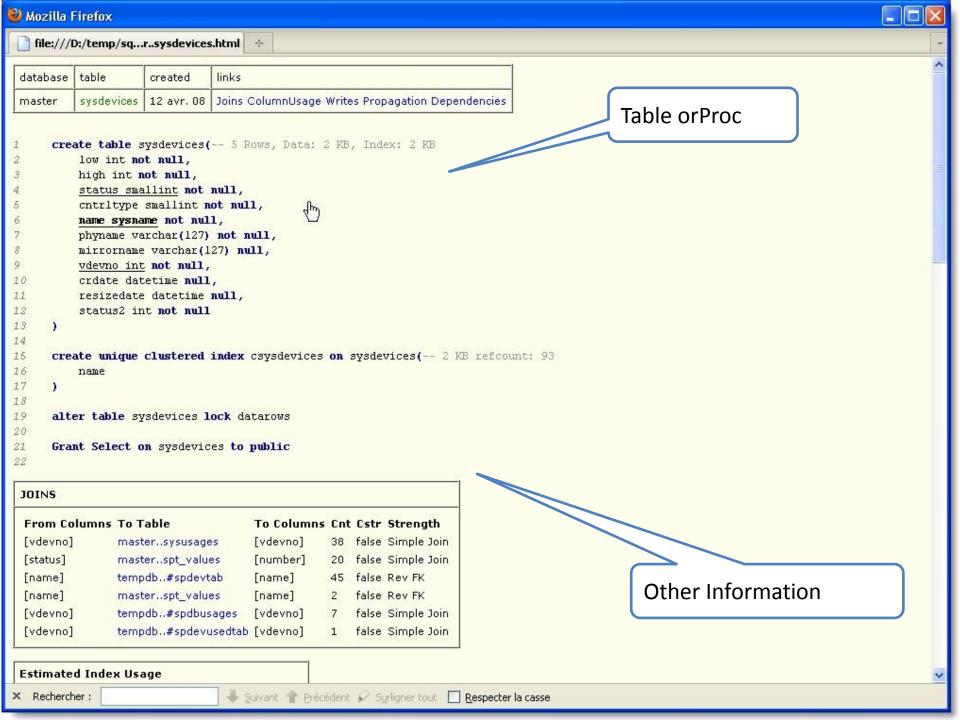
- SQLBrowser can act as a gateway
- The application to trace connects to SQLBrowser which acts as a server
- Traffic is recorded
- Allows to see what an unknown application effectively sends
- (Sort of Ribo)

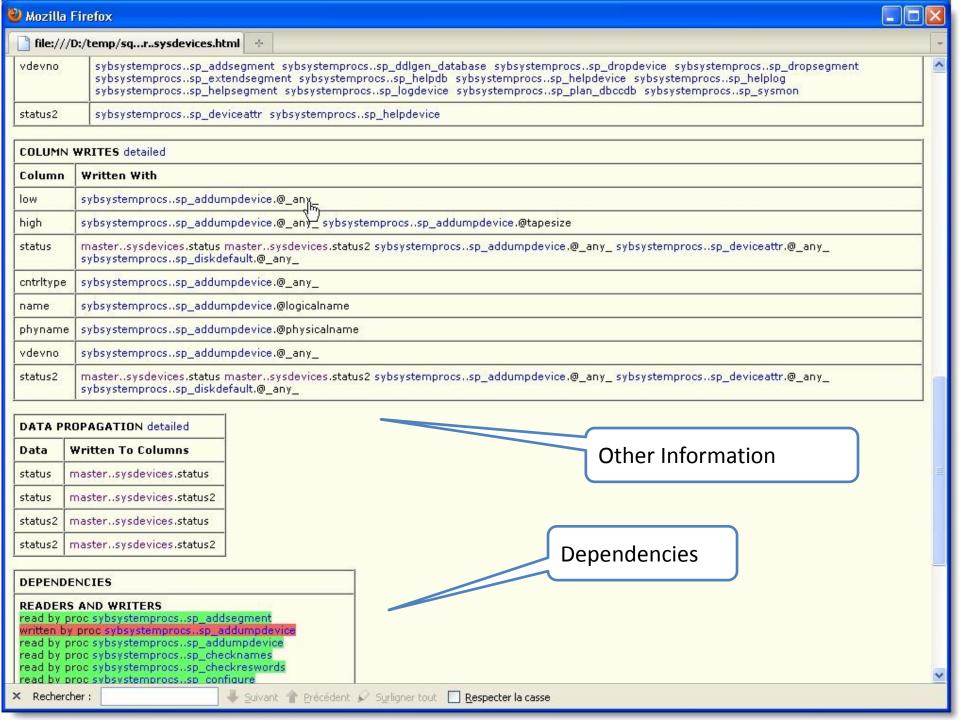


Batch Analysis

- Analyze one or more databases
- Produces an HTML site with indented code
- Serves as a reference for developers
- Can be executed as part of a Windows Task
- Generates dependencies and schema (joins) used by interactive SLQBrowser sessions







More Information

- Manual: http://www.sqlbrowser.com/wiki/index.php/
 Manual
- Batch Analysis example: <u>http://www.sqlbrowser.com/wikiHTML/sqlbht</u> <u>ml/index.html</u>
- Index of detected Defects:
 http://www.sqlbrowser.com/wikiHTML/Detect
 edDefects/defectsALLIndex.php

QCAR 6 @	Cartesian product	Performance
QFIB 6 ©	Force index with bad index	Performance
QBGB 6 ©	Bad group by	Misc
MBPA 6 €	Not a parameter	Misc
MTDS 6 @	Too Many Database Switches	Misc
V15B 6 @	V15 Issue: RHS contains col involved in join on extra tables through complex expression	Misc
QJWI 5 🧯	Join/Sarg Without Index	Performance
QCAS 4 ©	Cartesian product with single row	Performance
QTYP 4 ©	Comparison type mismatch	Performance
QCSC 4 ©	Costly 'select count()', use 'exists()'	Performance
QFPU 4 🤇	Unclosed Force plan	Performance
MTYP 4 🤇	Assignment type mismatch	Misc
MBRV 4 🤇	Bad return value [-1-99]	Misc
TNOI 4 🤇	Table with no index	Misc
TNOU 4 🤇	Table with no unique index	Misc
MINU 4 🤇	Unique Index with nullable columns	Misc
QUDW 4 🤇	Update or delete with no where clause	Misc
Q121 4 🤇	V12 Compat #1: Having containing outer join	Misc
Q122 4 🤇	V12 Compat #2: Correlated subquery with outer join	Misc
Q123 4 🤇	V12 Compat #3: Conjunct with inner table and join order independent table	Misc
VOVR 4 🤇	Variable is an input param and is overwritten	Variable
VUWR 4 🤇	Variable is an output param and is not written to	Variable
VRUN 4 🤇	Variable is read and not initialized	Variable
QDIS 3 🤇	Check correct use of 'select distinct'	Performance
QFAP 3 🤇	Force abstract plan	Performance

QFID	3	3	Force index	Performance
QFPL	3	3	Force plan	Performance
QMTB	3	⊗	From clause with many tables	Performance
QJWT	3	⊗	Join/Sarg Without Index involving temp table	Performance
QPIU	3	3	Join/Sarg with Partial Index Use	Performance
QSWV	3	3	Sarg with variable	Performance
QISO	3	3	Set isolation level	Performance
QTLO	3	3	Top-Level OR	Performance
QUNI	3	3	Use of 'union' vs 'union all'	Performance
MNEJ	3	3	'Not Equal' join	Misc
QAPT	3	3	Access to Proxy Table	Misc
MBLI	3	3	Behavior of Binary Literal is Platform Dependant	Misc
MLCH	3	3	Char type with length>30	Misc
MUIN	3	3	Column created using implicit nullability	Misc
QCRS	3	3	Conditional Result Set	Misc
MTYU	3	3	Could not resolve type	Misc
CUNU	3	3	Cursor not updated: cursor should contain 'for read only' clause	Misc
CUUP	3	3	Cursor updated: cursor should contain 'for update' clause	Misc
CUSU	3	3	Cursor updated through 'searched update': risk of halloween rows	Misc
CSBI	3	3	<u>Cursor with 'Distinct/Union/GroupBy/OrderBy/Aggregate/SubQueries/Isolation' should contain insensitive' clause (V15)</u>	Misc
MDPR	3	3	Deprecated item	Misc
MGTP	3	3	Grant to public	Misc
QGWO	3	3	Group by without order by	Misc
MIIO	3	8	Index overlap	Misc
QIWC	3	8	Insert with not all columns specified	Misc

QPSC	3	3	Join on same column	Misc
NCER	3	3	Naming Convention Error	Misc
QPNC	3	3	No column in condition	Misc
MNER	3	3	No Error Check:	Misc
MNAC	3	8	Not using ANSI 'is null'	Misc
QNAJ	3	8	Not using ANSI Join	Misc
MDYN	3	3	Proc uses Dynamic SQL but is not flagged with 'Dynamic Ownership Chain'	Misc
QNCO	3	⊗	Query with no column	Misc
QRPR	3	⊗	Repeated predicate	Misc
QNAM	3	8	Select expression has no name	Misc
MUBC	3	8	Unbalanced begin tran/commit tran	Misc
MUUF	3	⊗	<u>Update/Delete with Useless From</u>	Misc
MUOT	3	⊗	<u>Updates outside transaction</u>	Misc
MUTI	3	⊗	<u>Update temptable with identity - 12.5.4 Regression</u>	Misc
MUCO	3	3	<u>Useless Code:</u>	Misc
QAFM	3	3	Var Assignment from potentially many rows	Misc
MZMB	3	3	Zombie: use of non-existent object	Misc
VUNU	3	3	<u>Variable is never used</u>	Variable
VWRI	3	⊗	<u>Variable is written to and not reused later</u>	Variable
MDYE	2	3	<u>Dynamic exec</u>	Misc
MDYS	2	3	Dynamic SQL	Misc
CRDO	2	3	Read only cursor	Misc
CUPD	2	3	<u>Updatable cursor</u>	Misc
MSTA	2	3	<u>Use of star</u>	Misc
MTRC	2	3	<u>Metrics</u>	Metrics