Database Monitoring

This menu item appears at the top of the IBExpert Services menu when any registered database is connected.

This feature was introduced to support Firebird 2.1 and is a more efficient protocol than the old SQL Monitor service. Since Firebird 2.5 the Services menu item Trace and Audit offers an even more powerful protocol interface. (This feature is unfortunately not included in the free IBExpert Personal Edition.)

You can use *Database Monitoring* to keep an eye on who is actually logged onto your database by viewing the *Attachments* page:



Monitor key database information:

Last update: 2023/10/18 16:17 16:17

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Statements			
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Database	Statement ID Attachment ID Transaction ID St	ate Started At Statement Text Non-indexed Reads Indexed Reads R	Records Inserted Records Updated Records De +
Transactions		E select RDB\$RELATION_NAME, RDB\$FORMAT from RDB\$RELATION_NAME, RDB\$FORMAT from RDB\$RELATION_NAME, RDB\$FORMAT from RDB\$FORMAT) from RDB\$F	NS RELATIONS where not (RDB\$RELATION_NAME STARTING WITH 'RDB\$"
	15 150 <null> 10</null>	LE <null> select RDB\$FIELD_SOU 0 1</null>	0 0
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statements	•	4.414	152	FINISHED	17.06.2011	11:15	4.414	4.406	4.407	read committed record ve	ersior No wait	No	No	Yes	
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Use the toolbar at the top of the window to:

- Select the registered connected database from the drop-down list.
- Blend the left-hand column tree in and out.
- Refresh [F5].
- Specify the Autorefresh period.
- Commit transaction when refreshed. If this option is OFF (default) IBExpert executes the monitoring query in the same transaction when a user clicks the Refresh button or an automatic refresh is performed. If this option is ON the current transaction will be committed and a new one will be started immediately.

IBExpert restores the active record after refreshing. The very first field in the record set is used to remember the current position and restore it after reopening.

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Monitor query

Standard monitor queries for Firebird 2.1-2.5 databases can be started by using the context-sensitive menu in the left-hand area.

Monitor	Query
Query Name	Query Category
Database	Standard
SQL Dialed	t 1 SQL Dialect 3
1	SELECT db.mon\$database name as "Database Name",
2	db.mon\$page_size as "Page Size",
3	db.mon\$ods_major <mark>'.'</mark> db.mon\$ods_minor as "ODS Version",
4	db.mon\$oldest_transaction as "Oldest Tr.",
5	db.mon\$oldest_active as "Oldest Active Tr.",
6	db.mon\$oldest_snapshot as "Oldest Snapshot Tr.",
7	db.mon\$next_transaction as "Next Tr.",
8	db.mon\$page_buffers "Page Buffers",
9	db.mon\$sql_dialect "SQL Dialect",
10	case
11	when db.mon\$shutdown_mode = 0 then 'Online'
12	when db.mon\$shutdown_mode = 1 then 'Multi-user'
13	when db.mon\$shutdown_mode = 2 then 'Single-user'
14	when db.mon\$shutdown_mode = 3 then 'Full'
4	
	OK Cancel Help

Categories can also be added and deleted using the same context-sensitive menu.

