Tests

Test No.	Description
Test 1	Create and Drop a Database
Test 2	Open the employee database and run a query
Test 3	ad hoc queries
Test 4	Update, Insert and Delete Queries
Test 5	Update/Insert Returning and Activity Check
Test 6	Blob Handling
Test 7	Create and read back an Array
Test 8	Create and read back an Array with 2 dimensions
Test 9	Database Information tests
Test 10	Event Handling
Test 11	Services API
Test 12	Character Sets
Test 13	Transaction over two databases
Test 14	Non select procedures
Test 15	Blob Handling and BPBs
Test 16	Error handling
Test 17	Date/Time tests and Firebird 4 extensions
Test 18	Firebird 4 Decfloat extensions
Test 19	Firebird 4 Batch Operations
Test 20	Firebird 4 Batch Stress Test

Test Cases

Objective	Module	Feature	Coverage
TC1	ClientAPI	Create a Database	10
TC2	ClientAPI	Attach to an existing Database	8
TC3	ClientAPI	Start Transaction on multiple	1
TC4	ClientAPI	Allocate A DPB	18
TC5	ClientAPI	Attach to the Service Manager	2
TC6	ClientAPI	Allocate an SPB	2
TC7	ClientAPI	Access last Status Information	1
TC8	Database	Populate a DPB	18
TC9	Database	Update a DPB	2
TC10	Database	Start a Transaction	16
TC11	Database	Execute Immediate	9
TC12	Database	Open a Cursor	12
TC13	Database	Prepare a Statement (Positional Parameters)	11
TC14	Database	Prepare a Statement (Named Parameters)	11
TC15	Database	Drop the Database	9
TC16	Database	Disconnect	4
TC17	Database	Reconnect to the Database	1
TC18	Database	Create an Event Handler	1
TC19	Database	Get Database Information	2
TC20	Database	Open an existing Blob	1
TC21	Database	Test for recent database activity	1
TC22	Database	Get Blob MetaData	2
TC23	Database	Get Array Metadata	2
TC24	DBInfo	Operation Counts	1
TC25	DBInfo	Characteristics	1
TC26	DBInfo	Environment	1
TC27	Events	Sync Wait	1
TC28	Events	Async Wait	1
TC29	Events	Cancel Async Wait	1
TC30	Transactions	Default Transaction End	14
TC31	Transactions	Commit	10
TC32	Transactions	Rollback	4
TC33	Transactions	CommitRetaining	1
TC34	Transactions	RollbackRetaining	1
TC35	Transactions	Restart transaction	1
TC36	Transactions	Check transaction state	1
TC37	Transactions	Test for recent activity	1
TC38	Transactions	Multi-database transaction	1
TC39	Statement	Get metadata	7
TC40	Statement	Get SQLParams	5
TC41	Statement	Show Plan	1
TC42	Statement	Execute with no input or output	3
TC43	Statement	Execute procedure with input	1
TC44	Statement	Execute Procedure with single output row	1
TC45	Statement	Populate Params (Positional)	9
TC46	Statement	Populate Params (By Name)	11
TC47	Statement	Update Query	6
TC48	Statement	Update Query with affected row counts	3
TC49	Statement	Update Returning	2
TC50	Statement	Insert Query	6
TC51	Statement	Insert Query with affected row counts	3

TC52	Statement	Insert Returning	1
TC53	Statement	Delete Query	1
TC54	Statement	Delete Query with affected row counts	1
TC55	Statement	Open Cursor and list results	10
TC56	Statement	Reprepare query with same transaction	1
TC57	Statement	Reprepare query with different transaction	1
TC58	Statement	Execute Query with different transaction	1
TC59	Statement	Open Cursor with different transaction	1
TC60	Statement	Retain Interfaces	1
TC61	Statement	Show Unique Relation Name	1
TC62	Statement	Batched Updates	1
TC63	Statement	Batched Inserts	1
TC64	SQLData	Integer Data	11
TC65	SQLData	String Data	14
TC66	SQLData	String Data with non-default code page	2
TC67	SQLData	Blob	2
TC68	SQLData	Text Blob	5
TC69	SQLData	Text Blob with non -default code page	2
TC70	SQLData	Blob with Blob Filter	1
TC71	SQLData	Array	4
TC72	SQLData	Floating Point Data	2
TC73	SQLData	Fixed Point Data	4
TC74	SQLData	Date & Time Types	6
TC75	SQLData	NULL Result	1
TC76	SQLParams	Integer types	10
TC77	SQLParams	String Data	7
TC78	SQLParams	String Data with non-default code page	3
TC79	SQLParams	Blob	3
TC80	SQLParams	Text Blob with non -default code page	2
TC81	SQLParams	Text Blob	5
TC82	SQLParams	Inline Blobs	3
TC83	SQLParams	Blob with Blob Filter	1
TC84	SQLParams	Array	5
TC85	SQLParams	Floating Point Data	3
TC86	SQLParams	Fixed Point Data	3
TC87	SQLParams	Date & Time Types	6
TC88	SQLParams	NULL Parameter	2
TC89	SQLParams	Non unique param names	1
TC90	Results	Retain Interfaces	1
TC91	Array	Single Row Array	4
TC92	Array	Multi-row array	1
TC93	Array	Reduce Slice on read	1
TC94	Array	Reduce Slice on write	1
TC95	Services	Start a Service	2
TC96	Services	Query a Service	1
TC97	Services	Detach	1
TC98	Services	Re-attach	1
TC99	ClientAPI	invalid database name on attach	1
TC100	ClientAPI	invalid username/password on attach	1
TC101	ClientAPI	invalid database name on create	2
TC102	ClientAPI	Prepare invalid SQL	1
TC103	ClientAPI	Open Cursor invalid SQL	1
TC104	ClientAPI	Invalid Service Name	1

Test Cases

TC105	ClientAPI	invalid username/password on Service attach	2
TC106	Database	Transaction not started for Prepare and OpenCursor	1
TC107	ISQLParam	Incorrect data type for SQL Type	1
TC108	SQLData	Timestamp with Time Zone	1
TC109	SQLData	Time with Time Zone	1
TC110	SQLParams	Timestamp with Time Zone	1
TC111	SQLParams	Time with Time Zone	1
TC112	SQLData	DecFloat(16)	1
TC113	SQLData	DecFloat(34)	1
TC114	SQLData	Extended Numerics	1
TC115	SQLParams	DecFloat(16)	1
TC116	SQLParams	DecFloat(34)	1
TC117	SQLParams	Extended Numerics	1
TC118	ClientAPI	Parse Date String	1
TC119	Statement	Stale References check	1

Test Cases

Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7
X					X	X
	X	X	X	X		
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X	X	X	X	X	X	X
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Test Cases

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	X		X	X		X
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	X	X	X	X	X	X
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Test Cases

Test 8	Test 9	Test 10	Test 11	Test 12	Test 13	Test 14
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Test Cases

Test 15	Test 16	Test 17	Test 18	Test 19	Test 20
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