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Product	IBM DB2 8.2 Express Edition	Microsoft Server SQL Express (Beta2)	MySQL V4.1.14	Oracle 10g Release 1 Standard Edition
Company	IBM Australia	Microsoft	MySQL AB	Corporation Oracle
Phone	۰۲۱ ۱۳۳ ۰۳۶۶	۰۸۲۰ ۱۲	۸۳۰ ۰۷۳ ۸۲۰۲	۳۸۱ ۳۶۶ ۱۳۰۰
site Web	www.ibm.com	www.microsoft.com.au	www.mysql.com	www.oracle.com/au
Price as per test scenario	Per CPU, unlimited or, per 10 users server \$1037.84 plus \$206.24 per user	Free	without support + \$ US\$595-4995/year MySQL network subscription depending on support requirements	(Per CPU (unlimited users software update +) 1911\$ and support of \$4358.97 per annum), or per named user minimum of 5 users) 396\$ (+ \$87.18 per user for software update and support annum per
Number of CPUs supported	Maximum of two	Single CPU (single user scheduler thread)	Unlimited (dependent OS/hardware on	"cores" Maximum of 4
Maximum buffer pool memory size	Around 3.5GB	GB1	Limited by OS. utilises MySQL multiple buffer pools for different purposes, each tunable individually	hardware Restricted to the size
Maximum size database	Theoretical limits: Per Table space 512GB, maximum 32768 tablespaces, practical smaller limit would be	GB8	GB-64TB per table depending on storage engine, no per-DB/server-wide limits (OS (depending on	hardware Restricted to the size but indicative values are: Win 32-bit: 2.75GB or 64GB extensions. with memory .Theoretical limit 140TB
Hardware requirements (recommended, CPU, RAM, Disk)	Recommended for GB of 500 50GB to data: 100GB to 500GB of disk space, 3GB to 4GB RAM per CPU, One GHz CPUs, 2 or more	GHz processor, 512 MB disk space 1 MB recommended	Anything from for instance 64MB Flash card + 16MB RAM for embedded boxes, to multi-CPU multi-GB environments	GB RAM, 2GB Hard Disk 1 space for Database
supported OS	Windows, Linux	Windows	Any Unix, Linux, NetWare, Windows and Mac OSX	HP, Windows, Linux, Solaris OpenVMS, Mac OS, AIX, IBM z/OS, HP Unix
Computing Support Cluster	No	No	Yes	Yes
ANSI SQL Compliant	Yes	Basic	Extended subset of SQL-99, plus SQL-99 and SQL:2003 features	Yes
Memory Management (auto)	Manual/auto	Yes	info See buffer pool	Yes
Server managed backup and recovery	Yes	Yes	Yes	No
Legato Storage manager compliant	Yes	NA	NA	
Multiple block size support	Yes, 4,8,16,32K Page	No	Yes, with recompile	Yes

Triggers (eg before, after, instead, DB event)	No cascade before, instead of, insert ,after , delete , update	DDL ,After, Instead of	MySQL 4.x (As MySQL ,tested) no 5.0 for each row .triggers, before/after	Yes
procedures Stored	Yes	Yes	MySQL 4.x (As MySQL ,tested) no 5.0 supports SQL:2003 stored procedures and .functions	Yes
Index types supported	Type1, Type2, Multi ,Clustering Dimensional Clustering, spatial index with spatial extender	Btree, XML	Dependent on engine and storage column type used: Btree, Rtree, Hash, T-Tree, FULLTEXT	Function- ,B-Tree, Bitmap Based, Partitioned
support Array	Yes	Not in t-SQL, however .in client yes	No	Supported VARRAYS
User defined functions (list)	Yes	Yes	Yes	N/A
Column name length	30	128	for aliases 012<) 64 (inside queries)	30
Index name length	128	128	64	30
Table name length	128	128	for aliases 012<) 64 (inside queries)	30
Constraint name length	18	128	As column names	30
size 0Max char	2048	8000	1-8000	Variable ,Column size-2000 size-32767
size 0Max varchar	32768	GB2	1-8000	Variable ,Column size-4000 size-32767
Max columns per table	for 32K page 1-12 table	1-24	2099	1000
Max table row length	for 32K page 32768 table	none	any + 60024 cols up to text/blob 4GB each	Unlimited
Max columns per index	16	16	16	Others-32 ,Bitmap-30
Max indexes per table	limit or storage 32768	non clustered, 1 249 clustered	11	Unlimited
Max nested procedure stored levels	16	22	Limited only by stack thread ((OS/configurable	in Unlimited subqueries) 2048 the FROM clause of a top-level SQL query
Password Management	Yes	yes	Yes	Yes
Native Data Encryption	Yes	Yes	Yes	Yes
Features Auditing	Yes	Yes	Yes	Yes
Java	Yes	Yes	Yes	Yes
JDBC	Yes	Yes	Yes	Yes
XML	Yes	Yes	Yes	Yes
ODBC	Yes	Yes	Yes	Yes
Microsoft Transaction Server	Yes	Yes	Yes	Yes
& OLE DB.NET ODBC.NET	ODBC.NET	Yes	Connector/Net	Yes

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