

Birdstep Database Product Matrix

Updated 31 March 2009

Database Product Name	RDM Server 8.2	RDM Embedded 9.1	RDM Mobile 5.1
Previous Product Name	Velocis	Raima Database Manager	Birdstep DataBase Engine
Key Features			
DB kernel codesize*	2 Mbyte	270 Kbytes	270 Kbytes
SQL module codesize *	1 Mbyte	~140 Kbyte	~140 Kbyte
Very Large Database Support (VLDB)	Yes	Yes	-
Caching to optimize speed	Yes	Yes	Yes
Data models	Network, Relational	Network, Relational	Network, Relational, Hierarchical
Runtime mem requirements	Configurable, 5+ Mbyte min	Configurable, 50 Kbyte min	Configurable, 50 Kbyte min
Administrative API	Yes	-	-
BLOB support	Yes	Yes	Yes
Varchar Support	-	Yes	Yes
Dynamic DB schema	Yes	-	Yes
Heterogeneous clients	Yes	-	-
Hot Backup	Yes	-	Yes
Locking granularity	Row-level/Table-level	Table-level	Database-level
Data Replication/Mirroring	Yes	Yes	Yes
Multitasking/multiple connections	Yes	Yes	Yes
XML Import/Export	Yes	Yes	-
Partial rollbacks	Yes	-	-
Reentrant	Yes	Yes	Yes
SMP support	Yes	-	-
SQL optimizer	Yes	Yes	Yes
SQL support	Yes	Yes	Yes
Transaction support	Yes	Yes	Yes
Unicode	Yes	Yes	Yes
Object Oriented	-	-	Yes
Object Labeling	-	-	Yes
In-Memory Support	Yes	Yes	Yes
Circular Tables	-	Yes	-
Change Tracking Support	-	-	Yes
64 Bit Support	Yes	Yes	-

* Note: memory requirements are dependent on the Operating Systems and may vary among platforms.

API Support

Java	Type 4 JDBC v3.0 and v4.0	Yes, JNI	No
Native API	C	C	C++
ODBC	Yes, ODBC v3.51	-	-
ADO.Net	Yes	-	-
PHP	Yes	-	-
HTTP	-	Yes	-
SQL89 compatible	Yes	-	-
SQL92 compatible	Yes	Yes	Yes

Platform Validation

AIX 5.2	PowerPC 32bit	Yes	Yes	-
AIX 5.2	PowerPC 64bit	Yes	Yes	-
AIX 5.3	PowerPC 32bit	Yes	Yes	-
AIX 5.3	PowerPC 64bit	Yes	Yes	-
AIX 5.4	PowerPC 32bit	Yes	Yes	-
AIX 5.4	PowerPC 64bit	Yes	Yes	-
Fedora Core 2	x86	-	-	Yes
Fedora Core 4	x86	-	-	Yes
FreeBSD 6.1	x86	Yes	Yes	-
FreeBSD 6.2	x86	-	Yes	-
HPUX 11i v3	PA-RISC 32bit	Yes	Yes	-
HPUX 11i v3	PA-RISC 64bit	Yes	Yes	-
HPUX 11i v3	Itanium 2 32bit	Yes	Yes	-
HPUX 11i v3	Itanium 2 64bit	Yes	Yes	-
MacOS X	x86	Yes	Yes	-
Mandriva Linux 2008.1	x86	-	Yes	-
MontaVista Pro 5	x86	-	Yes	-
OSE 4.6.1	PowerPC 32bit	Yes	-	-
QNX Neutrino 6.3	x86	Yes	Yes	Yes
Red Hat Enterprise Linux v2.1	Itanium 2 64bit	-	Yes	-
Red Hat Enterprise Linux v4.0	x86	Yes	Yes	-
Red Hat Enterprise Linux v4.0	x64 / AMD64	Yes	Yes	Yes
Red Hat Enterprise Linux v5.0	x86	Yes	Yes	-
Red Hat Enterprise Linux v5.0	x64 / AMD64	Yes	Yes	Yes
Solaris 8	SPARC 32bit	Yes	Yes	-
Solaris 8	SPARC 64bit	Yes	Yes	-
Solaris 9	SPARC 32bit	Yes	Yes	-
Solaris 9	SPARC 64bit	Yes	Yes	-
Solaris 10	SPARC 32bit	Yes	Yes	-
Solaris 10	SPARC 64bit	Yes	Yes	-
Solaris 10	x86	Yes	Yes	-
Solaris 10	x64 / AMD64	Yes	Yes	-
SUSE Linux 10	x86	Yes	Yes	-
SUSE Linux 10	x64 / AMD64	Yes	Yes	-
Windows 2000 Pro	x86	-	-	Yes
Windows Embedded	x86	-	Yes	-
Windows Server 2003	x86	Yes	Yes	Yes
Windows Server 2003	x64 / AMD64	Yes	Yes	-
Windows Vista Ultimate	x86	Yes	Yes	Yes
Windows Vista Ultimate	x64 / AMD64	Yes	Yes	Yes
Windows XP Embedded	x86	-	Yes	-
Windows XP Professional	x86	Yes	Yes	Yes
Windows XP Professional	x64 / AMD64	Yes	Yes	-
WindRiver Linux v1.3	ARM-9	-	-	Yes
WindRiver Linux v1.4	ARM-9	-	-	Yes