DATA BASE MANAGEMENT SYSTEMS

SPOTLIGHT

Relational DBMS

COMPANY	PRODUCT	OPERATING SYSTEMS	QUERY LANGUAGES SUPPORTED	VERSION OF SQL	NOTION ATACAMAN	+	PERMITS ASSIGNMENT OF USER SECURITY RATINGS	BACKUP AND RECOVERY CAPABILITIES	OTHER DATA BASE ADMINISTRATOR CAPABILITIES	APPLICATION DEVELOPMENT TOOLS	OFFERS ENTITY RELATIONSHIP	OFFERS DOMAIN INTEGRITY	NUMBER OF LICENSES SOLD	PRICE
Acius, Inc. (408) 252-4444	4th Dimension/4 Runtime		Proprietary	NA	N/	Record	Yes	User implemented	4-D tool to repair, clone, cross reference, rename	Command procedural language with separate editors, screen/form editor, intuitive data base graphical structure editor	No	No	NP	\$695
AD & P, Analysis, Design & Programming (703) 790-9433	Ultra-base	MS-DOS, Unix, Xenix, Primos, CTO		Proprietar				NP	Graphics, word processing, spreadsheet	Built-in code, report generator	Yes	Yes	40,000+	\$595-\$9,000
Advanced Business Microsystems, Inc. (415) 689-4515 Advanced Data Institute,	Data Ace Aladin	MS-DOS MS-DOS	Proprietary	NA	Ye	file		Backup, restore partial, entire data base	Creates, deletes, modifies files	DML	Yes	Yes	3,000	\$645
Inc. (916) 381-8334	Dbase III Plus	PC-DOS, MS-DOS	Proprietary	NA NA	No	Record	Yes	Import, export, restart	Graphics, statistics, word processing, creates, deletes, modifies files	None	Yes	Yes	1,200	\$269-\$369
Ashton-Tate Corp. (213) 329-8000	Dbase IV (set for	PC-DOS, MS-DOS,	Proprietary Query-by-	IBM SAA	No	ļ	Yes	None	Applications generator, report writer, forms manager	Applications generator	Yes	Yes	1.5 million + (registered packages)	\$695
Advanced Microsolutions	July availability)	OS/2 HP's Rocky Mountain	Example, SQL	compatible	No		Yes	Full transaction processe rollback, roll-forward recovery Rollback	manager	4GL, applications generator	1			\$795 or \$1,29 (developer's edition)
(415) 365-9880	DBmagic	Basic Rocky Mountain	SQL	ANSI		_			None	Command-driven interface, keyboard access	Yes	Yes	150	Starts at \$99
Amperif Corp. (818) 998-7666	RDM/2	Basic Unisvs 1100 Exec	SQL,	ANSI	Yes	Record Data item,	No No	Rollback	None	None	No			Starts at \$1.4
(818) 998-7666 Applied Data Research, Inc (201) 874-9000	1	IBM MVS, MVS/XA, VM/CMS, VSE	SQL. proprietary	ANSI	Yes	value		Backup to host or back-es tape Full backup recovery	Data base dump/load; user identification, authorization Performance monitoring, tuning, data modeling, accounting, data base	None Ideal, for building, executing on-line, batch data base	No Yes	No No	NP 1,600	\$280,000- \$300,000 \$92,000- \$160,000
Blyth Software, Inc. (415) 571-0222	Omnis III Plus	Macintosh	None	NA	NP	Record	Yes	None	operations Master password protection,	applications 4GL, applications generator	Yes	Yes	MD	ecar.
(415) 511-0222	Omnis Quartz	MS-DOS	None	NA	NP	Record	Yes	None	report writer, field generator Master password protection.	4GL, applications generator	Yes	Yes		\$575 \$795
Boeing Computer Services, Inc. (206) 865-3660	Boeing Rim	VMS, MVS, VM, NOS	Proprietary	NA	Yes	Field	Yes	Transaction logging, rollback	report writer, field generator Report generator, screen formatter	None	No	No	450	\$6,000-\$25.0
Borland International (800) 543-7543	Paradox 2.0	MS-DOS, PC-DOS	Query-by- Example	NA	Yes	Field	Yes	Table recovery	Multicolumn reports; label generation; table, record- locking channels; program editor	Programming language, applications generator	No	Yes	NP	\$725
	Paradox 386	MS-DOS, PC-DOS	Query-by- Example	NA	Yes	Field	Yes	Table recovery	Musticolumn reports; label generation; table, record- locking commands; program editor	Programming language, applications generator	Yes	Yes	NP	\$895
Brock Software Products, Inc. 815) 459-4210	Brock Keystroke Relational Data base	Macintosh	None	NA	No	File	Yes	Rebuild function, floppy backup	Label, report printing, merge utilities, batch updating	None	No	Yes	Approx. 480	\$49-\$149
Campus America, Inc. 615) 523-9506	Poise DMS-Plus	VAX/VMS, RSTS, PC-DOS, MS-DOS	Proprietary	NA	Yes	Record, field, file	No	None	Report writer, forms, screen generation; labels	Proprietary file access	Yes	Yes	420	\$495-\$25,000
entury Analysis, Inc. 415) 680-7800	CFMS	NCR VRX, VRX/E	Proprietary	NA	Yes	Field	Yes	Event rollback		routines Screen generator, interactive	Yes	Yes	50	\$8,000-\$40,00
Chang Laboratories, Inc. 800) 972-8800; 800) 831-8080 in Calif.	C.A.T.	Macintosh	Proprietary	NA	No	File	Yes	None	Controls dictionary, design of files, fields	file maintenance None	Yes	No	12,000	\$399.95
incom Systems, Inc. 513) 662-2300	Supra	MVS/SP, MVS/XA, DOS/VSE, VSE/SP, VM/CMS		ANSI (in de- velopment)			Yes	Automatic system, transaction-level recovery	Data base design, generation; interactive relational view development, testing; on- line, batch directory maintenance	4GL (Mantis)	Yes	Yes	350+	\$77,000- \$499.000
	Ultra		Proprietary	ANSI (in de- velopment)			Yes	Automatic system, transaction-level recovery		4GL (Mantis)	Yes	No		\$20,000- \$99,000
ognos 300) 4-COGNOS	Powerhouse	AOS/VS		NA		File, field, record	Yes	Uses backup utilities of RDB/VMS, DG/SQL	Dictionary maintenance,	Proprietary development anguage	Yes	No	9,000	NP
ommand Business systems, Inc. 800) 223-2942; 214) 259-7531 in Calif.	Structure/4			NA	Yes	Record		None		GL screen generators;	Yes	Yes		\$16,900- \$26,500
ompuserve Data fechnologies 517) 661-9440	System 1032 4GL/DBMS					Record	Yes	True VMS backup ournaling, rollback	Not required 5	ystem 1032/AF application enerator	Yes	Yes	720	\$3,000-\$56,000
omputer Associates nternational, Inc. 300) 343-4133		DOS/VSE, VM/CMS	SQL, QUEL	ANSI	Yes	Field	Yes	Import, export, restart	Data modeling, statistic to monitoring to	JIMS — includes generator, ditor, driver, 4GL	Yes	Yes :	300+	\$84.000- \$238,000
f America (17) 492-8860		VM/CMS, DOS/VSE			_	record	Yes	Full, transaction backup; system, media recovery	parameterized configuration, in file loading	GL, applications generator, senu-driven prototyping tool	No	No 6	600	\$30,000- \$200,000
omputer lepresentatives, Inc. 08) 980-9898	Relate/DB	AOS/VS, VAX/VMS, MPE	SQL	roprietary		File, field, record	Yes	ogging, recovery		rocedural 4GL	No	Yes 6	500	\$15,000- \$90,000

Systems Application Architecture *Computer-aided systems engineering *Data base management system 'Random-access memory *Artificial intelligence

The companies included in this chart responded to a recent telephone survey conducted by *Computerworld*. When a vendor is unable to provide specific information about its product, this is designated NP (not provided). When a question does not apply to a vendor's product, this is designated NA (not applicable). Further product information is available from the vendors.

MARCH 14, 1988 COMPUTERWORLD S9

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Conceptual Software,	Prodas		None	NA	Yes	Field	No	Backup copies of files	Report writing, sorting, statistics, graphics	None	Yes	Yes	600	\$720-\$2,520
Inc. 713) 667-4222 Concurrent Computer	Reliance Plus		Proprietary	NA	Yes	Field	Yes	Transaction roll-forward, rollback, transaction	Monitoring, simulation, report generator	4GL	Yes	Yes	300	\$10,000- \$30,000
Corp. (800) 631-2154 Condor Computer Corp.	Condor 3 Release	PC-DOS, MS-DOS	Proprietary	NA	Yes	None	No	logging Automatic audit trails	Report writer, statistics, full mathematical functions	Creates menus; import, export ASCII files; 4GL	No	No	200,000	\$495
(313) 971-8880 Cosmic, the University of Georgia (404) 542-3265	2.20 Rim5	CDC Cyber 170 series	Proprietary	NA	No	File, field, record	Yes	None	Password protection on files, commands; report writer	Complete source code	Yes	Yes		\$3,000
(404) 542-3265 Cullinet Software, Inc. (800) 551-4555	IDMS/SQL	VAX/VMS	SQL	ANSI	Yes	File, field, record	Yes	On-line dynamic backup, automatic restart	Utilities to load, unload data; define, delete logic file names; check status of journal file; handle unexpected data base terminations	Application generator	Yes	Yes	NA (in beta- testing)	\$1,000- \$196,000
	IDMS/R	BS2000, Fuitsu MSP	SQL, proprietary	ANSI	Yes	Field	Yes	Automatic rollback, warm- start	Backup, restore; load, unload; rollback, roll-forward	CASE ² , expert systems, 4GL, Cobol, Fortran, PL/1, assembler precompilers	Yes	Yes	2,400+	\$104,000- \$390,000
Data Access Corp. (305) 238-0012	Dataflex 2.3	for Facom-M line Supports more than 30 operating systems	Proprietary	NA	Yes	Field	No	Reindexing utility (allows user to recreate damaged indexes)	Modifies data dictionary, user-saved queries; modifies, recreates indexes; creates reports; allows for ad hoc queries; reindexes post processing facility	Program editor, compiler, applications generator	No	No		\$695 (single user), \$1,250 (multiuser), \$1,800 (VAX/VMS, Unix V version
Data General, Corp. (800) DATAGEN	DG/SQL	AOS/VS	SQL	ANSI	Yes	Table, record, field	Yes	Archive backups, undo/redo logging for rollback/ roll-forward	Data Definition and System Administrators Utility	Powerhouse (Cognos 4GL), present-interactive query, graphics, report writer	Yes			\$1,390-\$17,4
Dataease International, Inc. (203) 374-8000	Dataease	MS-DOS, CTOS, BTOS	Proprietary	NA	Yes	Field, record, file, menu	Yes	Import, export; backup, restore of data base	Assigning user passwords, menus; hardware, configuration set up; printer communications	Applications generator	Yes	Yes	150,000	\$600 (single user), \$700 (multiuser)
DB/Access, Inc. (408) 255-2920	Enhansys	VMS, VM, Tandem Guardian	SQL, proprietary	ANSI	Yes	File	No	Table replacement	File mapping, linkage, menu system	4GL	No	No	40	\$10,000- \$49,000
(408) 255-2920 Dialogue, Inc. (212) 425-2665	Analect/Rim	VAX/VMS, VM/CMS, Primos	Proprietary	NA	Yes	Relation	No	Transaction logging, rollback	Modeling, report writer, graphics, forecasting, statistics	4GL, screen control	No	No	15	\$2,500-\$60.6
Digital Equipment Corp. Contact your local DEC dealer	VAX RDB/VMS (Relational)	VAX/VMS	Information Builders' Focus; Smartstar; Cognos	ANSI	Yes	Field	Yes	VMS backup for full data base backup; transaction rollback; before/after image journaling with roll- forward, rollback recovery	Statistics, dump, monitor, backup, restore, change, define, convert	Application generator, 4GL, SQL	Yes	Yes	5,500	NP
Empress Software, Inc.	Empress with M-	Unix, VMS, MS-DOS	Powerhouse SQL	ANSI	Yes	Record	Yes	Transaction logging, warm restart, backup recovery	Field deleting, modifying, report generator	4GL (M-Builder)	Yes	Yes		\$1,750- \$100,000
(416) 922-1743 Exact Systems & Programming Corp. (914) 285-9444	Builder DNA-4	AOS/VS, AOS, RDOS	Proprietary	NA		Field	Yes	Transaction logging	Defines logical files, maintenance of data dictionary	4GL		Yes	150	\$1,250-\$36,
1st Desk Systems, Inc. (800) 522-2286; (617) 533-2203 in Mass.	1stFile	Macintosh	Proprietary	NA	No	NA	NA	None	None	None	Yes		20,000	\$95
	1stFile 4.0 1stTeam	Macintosh Macintosh	Proprietary Proprietary	NA NA	No No	NA Record, file,	NA NA	None File copy	None	Run macro documents created by istTeam Takes manual repetitive	Yes		20	\$295 \$795
		MS-DOS, PC-DOS,	Proprietary	NA.	No	field Record, field,	No	None	None	tasks; plays back automatically Supports any program	Yes	Yes	30.000	\$395
Fox Software, Inc. (419) 874-0162 General Data Systems, Inc.	Foxbase +	MS-DOS, PC-DOS, Macintosh MVS, VSE, MS-DOS Intel IRMX			Yes	Field	Yes	Roll-forward, rollback, warm start	Group deletes, reformats; unload, reload utilities; data dictionary driver; users can	written in Dbase Application generator, 4GL	L	<u> </u>		\$2,500- \$180,000
(215) 985-1780 Henco Software, Inc.	Info-DB+	VAX/VMS	Proprietary	NA	Yes	Item	Yes	None	create own utilities Add/changes security classes	4GL	No	Yes	60	\$4,500- \$165,000
Henco Software, Inc. (617) 890-8670 Hewlett-Packard Co. Contact local HP	Allbase-HP SQL	HP-UX, MPE	SQL	ANSI	Yes	Field, record	Yes	Roll-forward, recovery, single, dual logging	NP	4GL (HP Today), query/reporting (HP Visor)	No	No	NP	\$165,000 NP
sales office Honeywell Bull, Inc. (800) 328-5111 ext. 99	Interel	GCOS 8	SQL, proprietary	ANSI	Yes	Data base, column, row	Yes	Operating system	Bulk load of data utility, model generation, statistical analysis, data extract	Cobol, Infoedge (proprietary tool kit)	No	No	NP	\$8,000-\$14 (original lice fee)
IBM Contact local IBM sales office	OS/2EE	OS/2	SQL, prompted query	ANSI, SAA	Yes	Data base	Yes	Full, selected backup; restore to state of last backup; load, unload table output; warm restart; commit, rollback functions	Full, selected backup; restor to state of last backup; load, unload table output; table reorganization; import,	e Report generator, IBM C/2 language		Yes	set for availability in July; Version 1.1 in November	\$795
	DB2	MVS/XA, MVS/370	SQL, QBE	ANSI, SAA	Yes	Field	Yes	On-line full, partial backup on-line recovery to current time or point-in-time; conditional, point-in-time restart: two-phase commit recovery; restart with IMS/VS, CICS	On-line load, reorganization; the update of DB2 catalog statistics; full-screen suppor for executing SQL	4GL, application generator, application directory, report writing, query, graphics, da base input, editing applications	:		NP	\$93,625- \$149,800 (F license-OTC
	SQL/DS	VM/JS, VM/SP, VSE Advanced Function	SQL, QBE	ANSI, SAA	Yes	Field	Yes	On-line data base, log sarchives; recovery to sarchives; recovery to time; warm restart; two-phase commit, recovery, restart with CGS; commit rollback functions	Data bad, unload, rerespinata hor, presenta bad, unload, rerespinata hor, preses bat to \$QL statements; on-line update of \$QLDS. Catalog statistics; interactive \$QL_i, accounting, redimentary security audit, problem determination traces, relational design tool, data base record esting	46L application directory for the proper writing query; graphs, data base input, editing	No	Yes	NP	\$8,700-\$34 (First license OTC)

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Infocom, Inc. (617) 576-1851	Cornerstane	MS-DOS	None	NA	No	None	No	Backup, restore	Update, change records;	None	Y	+	es NP	\$99.95
Information Builders, Inc. (212)736-4433	Focus	VM, MVS	SQL, proprietary	ANSI	Op- tio- nal	Field	Yes	Absolute file integrity	Access command control, encryption, password assignment, display control	Application generator	Y	es Y	es 2.200	\$50,000- \$100,000
Information Dimensions, Inc. (800) DATA MGT	DM	VMS, NOS/VE	Proprietary	NA	Yes	Pield	Yes	Backup, restore data be lists contents of backup sets		i.	rs; Y	es Y	es 175	\$17,400- \$96,000
Information Resources, Inc. (617) 890-1100	Express	IBM VM; Primos	Proprietary	NA	Yes	File, field, record	Yes	Update command backs all changes	Data reader, dictionary manipulation	Menu generator; procedur nonprocedural 4GL	al, Ye	:s Ye	es 175	\$85,000 +
	Express MDB	IBM VM, MVS; Primos; DEC VMS; HP MPE/XL	Proprietary	NA	Yes	File, field, record	Yes	Update command backs all changes	up Data reader, dictionary manipulation	Menu generator; procedur nonprocedural 4GL	al, Ye	s Ye	s 10	\$100,000 +
Information Structures, Inc. (303) 293-2911	Base/OE	VMS, RSX	Proprietary	NA	Yes	File	Yes	Operating system backs	File copy, file restructuring	proprietary application	Ye	s Ye	s 30	\$13,500- \$36,000
Informix Software, Inc. (415) 322-4100	Informix SQL, Informix 4GL	Unix, DOS, VMS, OS/2	SQL	ANSI	Yes	Fiel, field, record	Yes	Transaction logs	Audit trails, index file check	programming language Forms generator, report generator, ad hoc query capabilities (Informix 4GL can create screens, reports menus, windows)	No.) No	NP	\$795 (Informi SQL), \$995 (Informix-4GL
Intelligent Information Systems, Inc. (212) 966-4468	IIS/Destiny	VAX/VMS	Proprietary	NA	Yes	Field, key	Yes	On-line recovery, transaction rollback	Loader to transfer Destiny, RMS files	4GL, symbolic debugger	Ye	i No	12	\$3,600-\$40,0
Interactive Software Systems, Inc. (800) 962-8367; (303) 987-1001 in Canada Interactive Technology,	UDMS RDM: The	VMS	Proprietary	NA		Field	Yes	None	Dictionary, extracts, import interface to other relational DBMS63; report generator	s, 4GL	Yes	s Ye	s 300+	\$2,500-\$15,3
Inc. (503) 644-0111 Interbase Software Corp.	Application Developer	VMS, RSTS/E, RSX, RSX11M+, MicroRSX, TSX+, RT-11, P/OS, MS- DOS VMS; Ultrix; SUN	Query by form, query by interactive process			File, field	Yes	NP	Copy, extract, merge, purge expand, delete, rename, sort ASCII conversion, Help files	developer create files form	s, No	No	2,000	\$895-\$89,995
(617) 649-3977 Landmark Software		SunOS; Apollo Aegis; Domain/IX	SQL, proprietary	ANSI		Field	Yes	Backup, recovery utility	Backup, recovery utility	4GL, forms editor, preprocessor	Yes	Yes	800	\$5,000-\$75,0
Systems, Inc. (201) 722-5100	X-ample	VMS	Proprietary	NA	Yes	Field, file, record	Yes	Load, unload; index consistency; failure recovery	Import, expoert to RMS file structures	Menu, screen, report generators	Yes	Yes	NP	\$20,000- \$60,000
Macon Systems, Inc. (719) 520-1555	ADBM	MS-DOS	Query-by- Example	NA	Yes	File, field, record	Yes	Internal backup, damager file recovery	File creation, deletion, update, report generator, statistical analysis	Import file structures	Yes	Yes	6,000	\$99-\$2,500
MDBS, Inc. (800) 344-5832	Knowledgeman/ 2	PC-DOS, MS-DOS, VMS	SQL	Proprietary	Yes	File, field, record	Yes	NP	statistical analysis NP	Spreadsheet, graphics, text processing, report generator	No	No	20,000	\$595
Microrim, Inc. (206)885-2000	R:Base	DOS	Proprietary, SQL	ANSI	Yes	Table, row,	Yes	Load, unload, reload, veri integrity of data base	fy Network administration	forms management Reports, forms, applications		No	NP	\$725-\$2695
	R:Base for OS/2 (available by March 31)	OS/2	Proprietary, SQL	ANSI	Yes	Table, row, item	Yes	Load, unload, reload, veri integrity of data base	y Network administration	Report, forms, applications generator	Yes	No	NP	\$895
Vantucket Corp. 213) 390-7923	Clipper	MS-DOS	None	NA		File, field, record	Yes	File copy	Create, edit data base files; indexes, views; prototyping	Report, label form generator	No	No	NP	\$695
	МсМах	Macintosh	None	NA	No	File, field, record	Yes	Backup, restore programs via programming language	Clipper commands Report, label generator	Report, label generator; resource editor; resource	No	No	NP	\$295
National Information Systems, Inc. 408) 985-7100	Accent'r	VMS, TOPS 20, 10	Proprietary	NA	Yes	File, record, field	No	Programmable to users'	File renaming, programming language, report writer	compiler; text editor Built-in programming language, program	Yes	Yes	300	\$5,000-\$99,00
ioveil, Inc. 512) 346-8380	XQL	MS-DOS, PC-DOS, DOS 3.0, 3.3 LANS	SQL	Partial ANSI standard	Yes	Field	Yes	Proprietary	Proprietary	generators Proprietary	No	Yes	3,000	\$795
0desta Corp. 800) 323-5423; 312) 498-5615 in III.		Macintosh	Query by form, query by field	NA	Yes	File, field. record	Yes	Logging, autosave, save as evert to previous save	User permissions; form permissions; validation; submenus; custom, design modes	5GL	Yes	Yes	NP	Starts at \$4,500
	Double Helix II	Macintosh	Proprietary	NA		File, field, record	Yes I	ogging, autosave, save as evert to previous save	. User permissions; form permissions; validation; submenus; custom, design modes	5GL	Yes	Yes	NP	\$595
nline Software Systems, Inc. 300) 642-0177	System	OS, DOS/VSE, VSE/SP2.1, MVS/TSO, MVS/XA, VM/CMS	Proprietary	NA	Yes I	Data base, file, record, field	No 1	None	Data maintenance; on-line error analysis; full-screen editor to create, modify, validate file descriptions	Structured development language; tool kit for creating, maintaining files; file descriptions; data dictionaries; libraries; procedures, screen, report requests; includes formatted screen manager to build	No	Yes	1,200	\$30,000- \$126,000
•	Ramis/PC Uworkstation	PC-DOS, MS-DOS	Proprietary	NA	Yes F	île	No N	lone	processing; automated DOS utilities for directory, file management; encryption, decryption	screen-based applications Integrated development language; screen painting, interface for uploading, downloading; utility for developing relational fileset procedures that run on PC,	Yes	Yes	3,000+	\$495
racie Corp. 00) 345-DBMS	l t	MS-DOS, OS/2, Unix, S Ultrix, VMS, MVS, OS, Xenix, VM	QL .	ANSI	Yes F	ile, field, ecord, value	Yes R	oll-forward, rollback covery	Export, import SQL*Loader,	procedures that run on PC, mainframe Forms, report, menu generator	Yes	Yes	70,900	Starts at \$199

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Prime Computer, Inc. 617) 655-8000				NA	Yes	Field	No	On-line transaction logging, roll-forward recovery, tape or disk backup	File sizing without tape restore; globally accessed, RAM* disk data base; new field addition in real time; real-time index creation	Simple (menu-based development tool), Escape (application code generating, documenting language)	Yes	No	5,000 + (multiuser version), 6,000 + (DOS version)	\$895 (DOS), \$3,000-\$35,000 (multiuser)
		Primos, Unix, MS- DOS	SQL	ANSI	Yes	Field	No	Rollback after image journaling; dynamic or static creation at AF files; import, export utility	Reorganization, restore capability; Oracle diplay system to track locking bottlenecks; data loader to load flat files into data bases	ProOracle, PRO*SQL, SQL*Forms, SQL*Plus	Yes	No	500+	\$1,000-\$92,000
Progress Software Corp. 617) 275-4500	Progress	Unix, PC-DOS, VAX/VMS, Xenix, Ultrix, CTOS/ BTOS	Proprietary	ANSI (in de- velopment)	Yes	Field, record	Yes	Crash-proof data base engine, before image filing, roll-forward recovery, backup utilities		4GL			10,000+	\$1,000- \$125,000
Provue Devlopment Corp.	Overvue	Macintosh	None	NA	No	None	No	Hard-disk backup	Report writer, charts	None	No	Yes	Approx. 10,000 shipped	\$295
714) 969-2431 Quodata Corp. 203) 728-6777	QDMS-R	VAX/VMS	Proprietary	NA	Yes	Field	Yes	Error recovery through VMS	Describes data elements (up to 26 attributes), defines relationships between tables, allocates space, report writer	Screen generator, generalized data entry; mass change, delete, add; letter generator	Yes	Yes	NP	\$16,000- \$25,000
Relational Technology, Inc.	Ingres	DOS, VMS, VM/CMS, Unix, MVS	SQL, QUEL	ANSI	Yes	Field, time, data, value	No	Checkpoint, journaling, rollback, roll-forward	Storage structure modification, data relocation	Ingres (4GL)	Yes	Yes	6,500	\$5,000- \$160,000
Inc. (800) 4-INGRES Rim Technology, Inc. (206) 451-8144	RTI Rim		Proprietary	NA	Yes	range File, record	Yes	None	Removing users, setting user access, recovering deleted file space, recovering deleted rows, repairing damaged file structures	Application interface	Yes	Yes	100	\$700-\$13,000
Ruf Corp. (913) 782-8544	Information Management Processing and Reporting System		Proprietary	NA	Yes	Record	Yes	Transaction logging		Data manipulation language		Yes		\$6,000-\$20.00
Smith, Abbott & Co. (301)561-8411	Autopro	RSTS/E, VMS, MS- DOS, Novell Netware	Query-by- form	NA	Yes	Field	Yes	Audit trails, change logging	File creation, deletion; data base add, delete, modify; report writer	Screen generator, menu generator, query-by-form		Yes	200+	\$750-\$15,000
Software AG of North America, Inc. (703) 860-5050	Adabas	VSE SP 1.3, SP 2.1, SP 3.1, MVS/XA, VS1; VMS; Semiens BS2000; Futjitsu OS	SQL	Proprietary	Yes	File, field, value	Yes	Save, restore; walk forward, backup functions	Load, unkad; compress, decompress; save, restore; define data base; format space; file maintenance; data base maintenance	Editors, screen generators, debugging aids, CASE-aided application life cycle support, SQL-based syntax for 3GLs	Yes	Yes	2,500	\$25,000- \$186,000
The Software Group, Inc. (518) 877-8600	Enable	IV; Hitachi VOS DOS	None	NA	No	File, field, record	No	Automatic data base backup, restore	Add, edit, display, sort, merge, archive, delete, undelete, destroy, update, copy, browse, report, export, replace, index, graph, rename	Menu generator, procedural language for data base applications	Yes	Yes	NP	\$695
Stone Edge Technologies, Inc. (215) 641-1825	DB Master Version 5 Professional	Apple II PRO DOS	None	NA	Yes	File, field	Yes	None	Report generator, statistics, password settings, data exchange with other file types, data merge, global edit, file restructure	NA	Yes	Yes	NP	\$295
Sun Microsystems, Inc.	Sun Unify	Unix	SQL	ANSI	Yes	Field	Yes	Backup, roll-forward recovery	Table statistics, schema access, specify disk layout	NP	Yes	Yes	1,000	\$3,195
(415) 960-1300	Sun Ingres	Unix	SQL. proprietary	ANSI	Yes	Record	Yes	Rollback, roll-forward recovery	Data base backup to disk or tape; journaling; restore data base after hard, soft crashes; modify data base structures; allowing network access; copy data base	Applications by form, C, Fortran			1,000	\$3,990
Sybase, Inc. (415) 548-4500	Sybase System, Dataserver, Datatoolset	VAX/VMS, Sun/Unix, Pyramid OSX (Data- server), VAX/VMS, Ultrix, Sun Unix, Pyramid OSX, Pc- DOS (Datatoolset), OS/2 (Sybase system in second half of 1988)	sqi.	ANSI	Yes	Field	Yes	Physical logging; multiple data base support; controllable guaranteed recovery time; log recovery; bulk copy program; journaling; table generator; monitoring tools; resource control; maintenance tools; consistency checker	Integrity control through stored procedures, configuration management, performance tuning	Proprietary toolset; Information Builders' Focus; DB Access's Access/Star; Network Innovation's Multiplex: Natural Language Inc.'s NLI Datatalker				\$1,000- \$150,000
Synercom Technology, Inc. (713) 240-5000	Informap III	VMS	Proprietary	NA	Yes	File	Yes	NA	NA	User creatable	Yes	Yes	160	\$1,500-\$80,0
Tandem Computers, Inc. (408) 725-6000	Nonstop SQL	Guardian (proprietary)	SQL	ANSI	Yes	Record, file	Yes	Transaction monitoring; backup, restore programs	Where-used reporting; performance monitoring; data base conversion; disk compression; disk space analysis	Screen generator; transaction processing monitor	No	No	NP	\$4,000-\$8,00 (initial license fee)
3Cl, Inc. (800) 525-2001	Infocen	VMS, AOS/VS, Primos, GCOS 8, OS/32	SQL	Proprietary	Yes	Field	Yes	Checkpointing; autorecovery; logging, journaling file access control; system accounting; file access control	Change data set characteristics, rebuild dataset structures, control security, performance analysis, data base tuning	Macro/4GL builder; forms generator; painted forms; report writer; graphics, import, export utility; 3GL applications library; network module; command prompter Help facility; load, off-load utilities	Yes	Yes	100+	\$4,900- \$169,000
Unify Corp. (916) 920-5553	Accell IDS	Unix, Xenix, all Unix compatible	SQL	ANSI		Field	Yes	Transaction logging, data base backup, roll-forwared recovery	maintain executable menus, Help documentation	4GL, windowing interface, applications generator, host language interface		Yes		\$2,995- \$120,000
	Unify relational DBMS	DOS, Unix, all Unix compatible	SQL	ANSI		Field	Yes	Transaction logging, data base pickup, roll-forward recovery	Security maintenance; data dictionary reports; utilities to maintain executable menus, Help documentation	Data entry, query-by-forms, report writer, custom- formatted listings, full-acree editor for screen forms	n		200,000	\$795-\$80,00
Unisys Corp. (215) 542-4187	UDS RDMS 1100	Unisys Series 1100/2200	SQL	ANSI		File, field, record, table, view	Yes	Duplexed file, audit trial options; optional check- sum feature; automatic tape backup	Statistics, performance analysis; automated application recovery; fast dump, load; on-line duplexed file leg reconstruction; file placement for performance	SQL integrated with Cobol, Fortran, C compilers; 4GL; Interactive Programming Facility for SQL prototyping design				
Wang Laboratories, Inc. (617) 459-5000	Pace	vs	Query-by- Example, SQL	Proprietary	Yes	Field	Yes	Backup at data base, file levels; before-image journaling; rollback, roll- forward recovery	Copy table definitions, control file conversions	Application builder; data dictionary facility to define processing, integrity rules in data dictionary	1_		2,000	\$13,000- \$39,000
Wordperfect, Corp. (801) 227-5000	Dataperfect	MS-DOS	None	NA	Yes	File, field	Yes	Regenerates indexes, file copy	Proprietary language used to build or modify a structure	NA	Yes	Yes	NP	\$595