

Comparison of DBI Products and BMC SmartDBA

Feature	Brother-Panther	SmartDBA	Notes
Streamlined performance workflow	X		<i>Brother-Panther</i> will start the user off with the performance status of all their databases and allow them to drill into problem areas and identify and fix performance issues.
Identify configuration changes that lead to performance issues	X		<i>Brother-Panther</i> will add the ability to identify changes to databases and servers that have lead to performance issues.
Diagnose and resolve space management performance problems	X	X	<i>Brother-Panther</i> will continue to diagnose and resolve space related performance problems.
Online reorganization	X	X	<i>Brother-Panther</i> will continue to support online reorganizations.
Diagnose and resolve SQL execution performance problems	X	X	<i>Brother-Panther</i> will continue to diagnose and resolve SQL execution performance problems.
SQL Equalization	X	X	<i>Brother-Panther</i> will continue to use the patented SQL equalization method for analyzing SQL performance.
Explain SQL SELECT statements	X	X	<i>Brother-Panther</i> will continue to explain and graphically display SQL execution plans.
Generate SQL rewrites	X	X	<i>Brother-Panther</i> will continue to generate alternative SQL rewrites for Oracle that improve performance.
Physical database design analysis	X	x	<i>Brother-Panther</i> will leverage the Oracle and DB2 design advisor to provide physical design recommendations to improve performance.
Real-time database performance monitoring	X	X	<i>Brother-Panther</i> will continue to allow the user to monitor the performance of a database in real-time.
Identify and terminate blocking/runaway sessions	X	x	<i>Brother-Panther</i> will streamline the process of identifying and terminating blocking or runaway sessions. This will continue to be part of the real-time database

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			performance monitoring component.
E-mail alert notification	X	X	<i>Brother-Panther</i> will continue to allow users to be alerted of performance issues via e-mail.
User customizable performance alert thresholds	X	X	<i>Brother-Panther</i> will continue to allow users to customize performance alert thresholds.
Expert performance advice	X	x	<i>Brother-Panther</i> will enhance the expert advice provided to the user.
Performance trend reports	X		<i>Brother-Panther</i> will add a set of canned performance trend reports.
User developed performance reports	X	x	<i>Brother-Panther</i> will allow customers to create their own reports against the central performance repository.
Auto-generated schedulable resolution scripts	X		<i>Brother-Panther</i> will generate standard scripts that can be scheduled and executed within a customer's preferred job management and change control systems.
Space performance data collection	X	X	<i>Brother-Panther</i> will continue to collect space related performance statistics necessary to efficiently and effectively diagnose space performance issues.
Static and dynamic SQL performance data collection	X	X	<i>Brother-Panther</i> will continue to collect SQL execution performance statistics necessary to efficiently and effectively diagnose SQL performance issues.
Configuration data collection	X		<i>Brother-Panther</i> will add the ability to collect system and database configuration information to efficiently and effectively identify environment changes that may have caused performance issues.
Autonomic performance data collection	X		<i>Brother-Panther</i> will add the ability to collect more or less performance statistics based on performance thresholds and trends.
Centralized performance data repository	X	x	<i>Brother-Panther</i> will use a central performance data repository for both DB2 and Oracle. In addition, it will contain logical data model that can

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			be accessed by the customer directly for their own reporting needs.
Fault-tolerant	X		<i>Brother-Panther</i> will be self-diagnosing and fault-tolerant to network and database outages. Collectors will cache their collected data if the repository goes down and will automatically load the cached data when it becomes available again. Collectors can be disabled when databases are brought down for routine maintenance.
Execute native SQL statements interactively	X	X	<i>Brother-Panther</i> will continue to allow users to execute ad-hoc native SQL statements interactively.
Simplified install and configuration	X		<i>Brother-Panther</i> will simplify the install and configuration of the solution to reduce or eliminate systemic problems encountered by SmartDBA.
New licensing mechanism	X	x	<i>Brother-Panther</i> will provide a new database server based licensing mechanism.

Target Environments

Q60: What Target Environments will be supported by the DBI Products?

A60: *Brother-Panther* will be available for the following database server environments:

OS	Architecture	Oracle 9i & 10g	UDB 8.1 & 9	Comments
Windows XP Pro	x86 (32 bit)	X	X	
Windows Server 2003	x86 (32 bit)	X	X	
IBM AIX 5.3	32/64 bit	X	X	
IBM AIX 5.2	32/64 bit	X	X	
Solaris 10	32/64 bit	X	X	
Solaris 9	32/64 bit	X	X	
RedHat Linux 3.0	x86 (32 bit)	X	X	
RedHat Linux 4.0	x86 (32 bit)	X	X	
<i>HP-UX 11.11</i>	<i>32/64 bit</i>	X		<i>To be determined.</i>

Obsolete Functionality

Q70: When I migrate to the DBI Products, what functionality is removed? And why?

A70: DBI carefully evaluated all of the features and functions of SmartDBA when creating the replacement products Brother-Eagle and Brother-Panther. Some functions were removed because they were made obsolete by native functionality provided by the database itself.

Removed Features and Functions Include:

- DBA Cockpit is removed. This is redundant with IBM Control Centre.
- Overflow Row Repair is removed because DB2 REORG INPLACE provides a better solution.
- View/edit database and database manager parameters. These changes should be under some kind of customer change management control. As part of the performance resolution process, the replacement product will make prescribed parameter changes (and physical design changes) under DBA control.
- Job Management – use customer job management and change control systems. Mission critical environments are locked down and have strict change control processes and procedures in place that must be adhered to by applications vendors.