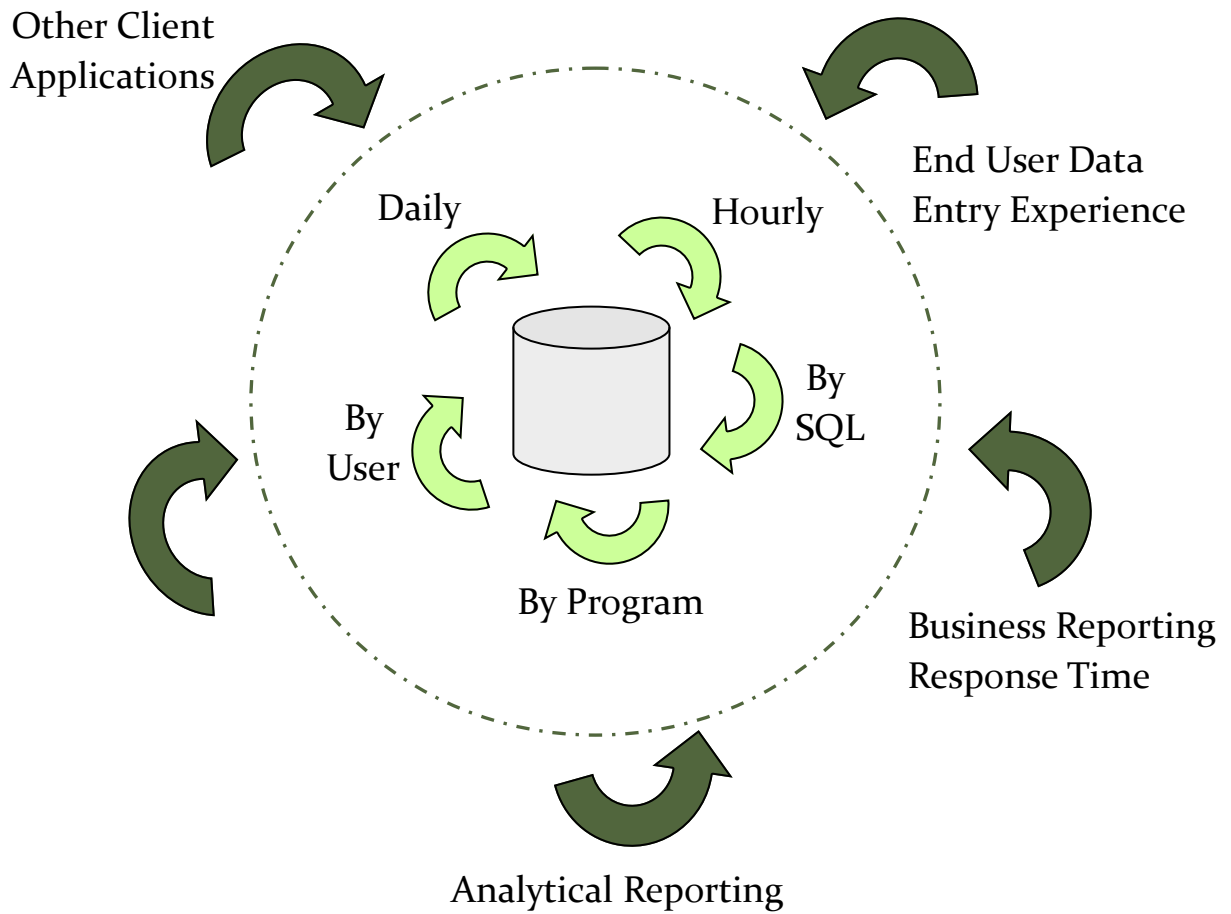




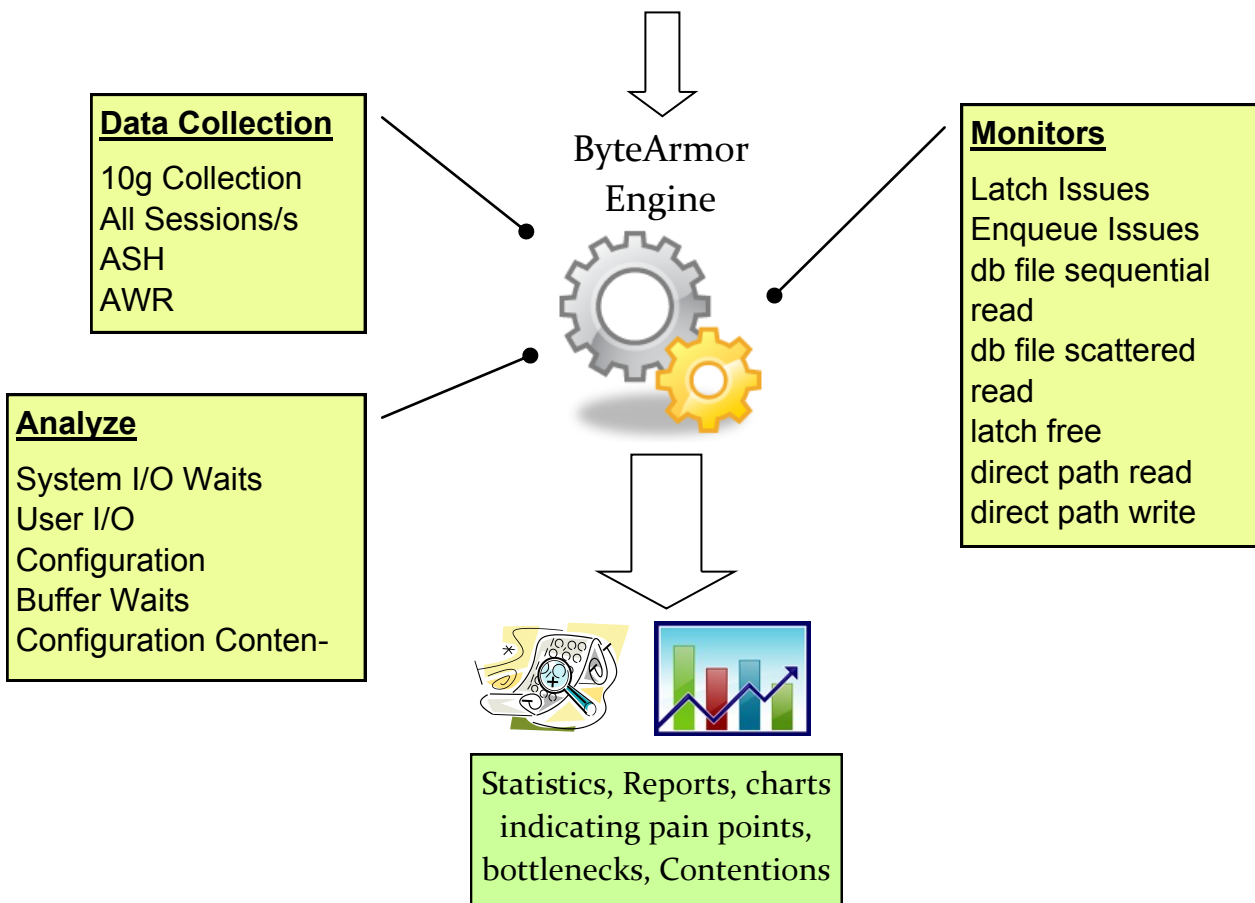
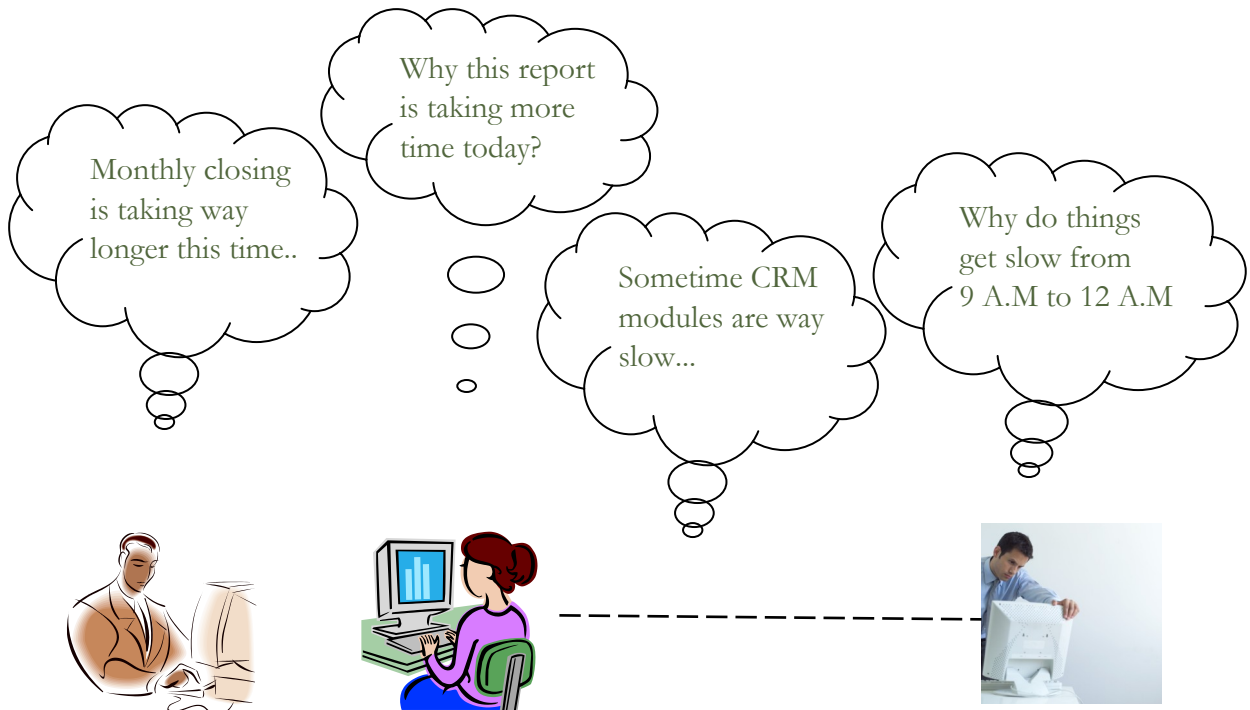
Orabyte ByteArmor

**Tool for
Oracle E-business
Performance Management**

360 Degree Performance Analysis



How Does ByteArmor function



ByteArmor Features

Identify problems before they become bottleneck. Reports and charts in ByteArmor give DBAs advance notice of performance bottlenecks and database problems, providing valuable data for proactive maintenance.

Reports in ByteArmor let Users analyze long-term database trends across their organization against different dimensions. Capturing high precision Oracle Wait Event data over days, weeks, months, ByteArmor enable users to slice and dice the performance matrices against wide range of parameters.

Following is the partial list of reports ByteArmor offers category.

Database

- AWR, ASH and ADDM interfaces
- Locks and Latch contention in the database
- Trends for various performance and metrics
- Resource usage per application
- Per SQL waits per second
- Top resource consuming sessions by category
- Database Auditing and information reports

Oracle Applications

- Applications Information reports
- Patch application details
- Profile option value details
- Workflow Item activity and notification reports
- Applications System Administration reports
- Concurrent Managers and Requests activity
- Summary reports for user activity

SOX Auditing Reports

- User-Role assignment
- Functions and Reports accessibility by user
- Users with super user or administration privileges
- Organization hierarchy details
- Application objects customization report
- Database and Applications Auditing reports

Other Reports

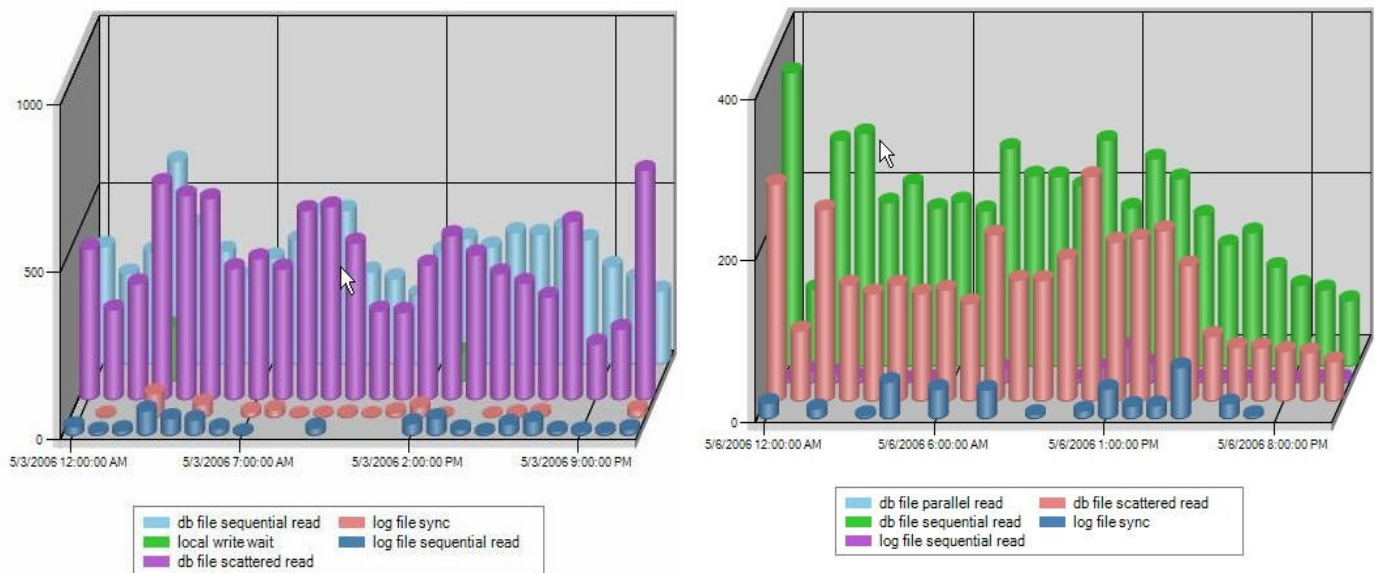
- 10046 Trace Analyzer summary
- Snap reports for performance testing
- OWI Reports for wait event trends for Oracle 9i
- Statspack reports for 9i
- License details for Database and Oracle Applications
- RAC aware reports for reporting performance metrics by instance
- Datapump and Oracle Streams jobs monitoring

The screenshot displays the ByteArmor application window. The main area shows a grid with the following data:

INST_ID	NAMESPACE	LOCKS	LOADS	PINS	RELOADS	INVALIDATIONS	TRUNC
1	TRIGGER	205	23	549	0	0	0
1	TABLE/PROCEDURE	9548	3530	19785	220	0	0
1	SQL AREA	26864	3837	125681	322	98	0
1	JAVA DATA	1	1	5	0	0	0
1	INDEX	1272	1240	2497	0	0	0
1	CLUSTER	161	9	509	0	0	0
1	BODY	1867	99	3350	0	0	0

ByteArmor Features

- Reporting Features
 - Expose performance trends on weekly, monthly or quarterly data.
 - Two and three dimensional reporting.
 - Publish performance trends in Excel Sheets .



- RAC Enabled.
- Unique extensible framework allowing users to tailor the software to their needs.
- Sox Auditing compliance reports.

Why Invest in ByteArmor ?

- Reduce Troubleshooting time by 30% - 40%.
- Bridge the knowledge gap Between Consultants and Employees.
- Best Practice Deployed To Troubleshooting.
- Common Knowledge Base For All levels of IT staff.
- Save Custom scripts using Extendible Application Architecture.
- Reports to Justify cost allocation by Application Usage
- Reactive Response time.
- Proactive and Predictive application behavior.
- Caters diversified audience including Performance Analysts, DBAs, Advanced SQL Developers, Functional analysts.

BYTEARMOR
AUTOMATES WAIT-TIME
ANALYSIS THAT
IDENTIFIES SOURCES OF
ORACLE DATABASE
BOTTLENECKS AND
FACILITATING USERS TO
ISOLATE AND
ELIMINATE ROOT CAUSE
OF APPLICATION
PROBLEMS.



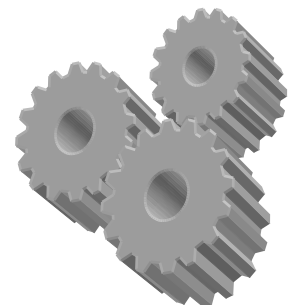
Put ByteArmor to the full use

Reactive Performance Tuning

- SQL Response Time > 4 second.
- Logical and Physical Buffer Gets.
- Per SQL Response Time, Per SQL CPU Used.
- Concurrent Programs, Forms Application.
- SQLs Loaded during last 10 minutes in SHARED Pool.
- Per SQL waits per second.
- Capture & Trace Sessions for Sudden Slowness (10046)
- Armor 10046 Analysis Component

Proactive Performance Tuning

- Per SQL waits per second.
- Go Back in Time.
- Review Historical Waits Per Business Application.
- Locate Stress Time Trending
- Review Past Execution Plans And Locate Repeat Pattern



Who can benefit from ByteArmor?

DBAs

DBAs responsible for maintaining database performance and availability can use ByteArmor to diagnose and eliminate problems quicker and operate the systems efficiently. ByteArmor makes the DBA more effective and responsive in maintaining the database.

Performance Analysts.

ByteArmor offers state of the art reporting interface with bit and byte level details of the oracle database performance. Performance Analysts can determine bottlenecks and pain points, critical areas in the system using these reports and statistics.

Developers

Developers can use ByteArmor in a controlled environment to analyze the custom code performance which facilitates efficient code writing.

Management/Auditors

ByteArmor gives easy and fast access to several business oriented reports for management users' needs. Along with operational statistics , detailed SOX reports offers objective insight of the data which will interest auditors as well.