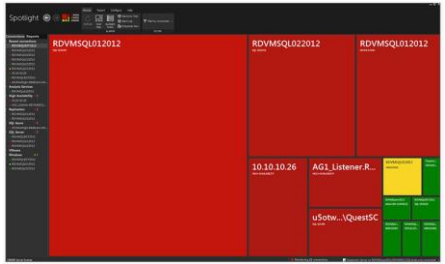
Introducing Spotlight on SQL Server Enterprise

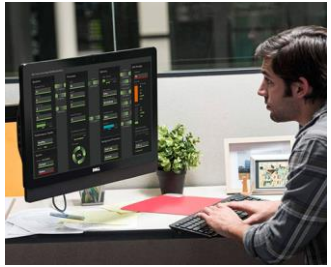
Quest

Spotlight in action



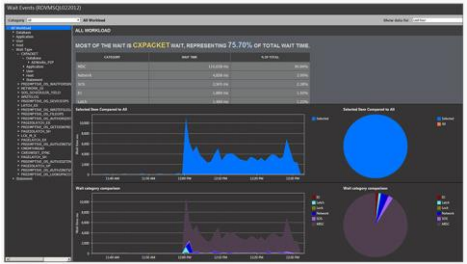
Prioritize at a glance with the intuitive heat map

Operating System diagnostics with SQL Server vNext on Linux

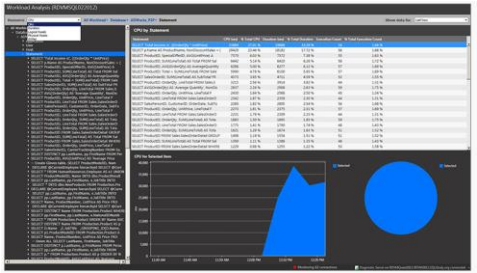


Follow indicators on dashboards to the problem source

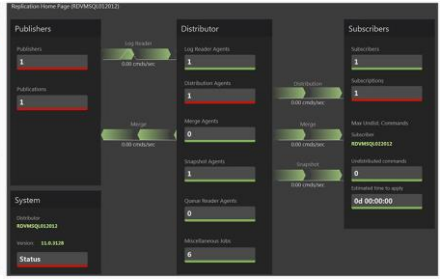
Instantly respond to issues with native apps for your mobile device



Quickly Identify what is waiting on resources, right down to SQL statements



Divide workflow by host, database, user or SQL statement in a few clicks



Watch for any failures or bottlenecks across your replication topology

Monitor instances from the Spotlight dashboard and diagnostic drilldowns

ESOS

Leading provider of HR and payroll services

"The Spotlight solution has reduced DBA activity by 80 percent which gives us more time to focus on adding value to our business in other areas."

Simon Smith - DBA and Continuity Specialist

Challenge

- Cost and complexity of managing data of 280 branches
- Sizing, performance and data corruption
- DBA teams spending 20 percent of time reacting

Results

- By implementing Spotlight on SQL Server, improved efficiency with a centralized, proactive approach to performance monitoring
- Reduced DBA time requirements by 80 percent

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Introducing Foglight for Databases

Quest

Complete coverage for cross platform database monitoring

ORACLE DATABASE

IBM DB2

PERCONA Server for MySQL

Amazon Aurora

SYBASE An SAP Company

EDB ENTERPRISEDB

SAP HANA

mongoDB er

PostgreSQL

Microsoft SQL Azure

amazon RDS

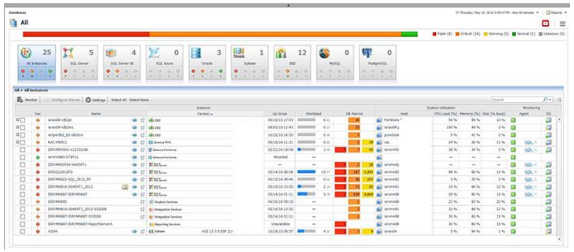
Powered by MySQL

MariaDB

Cassandra

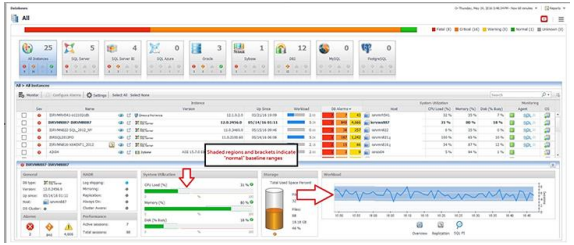
Confidential

Foglight in action



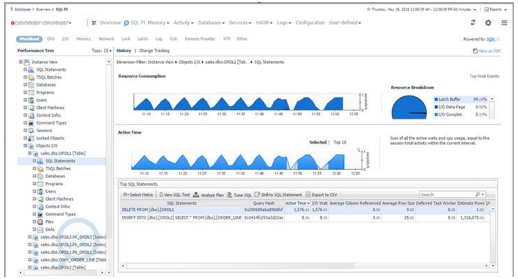
Get a single view of the health and performance of your multi-platform database environment

Quickly drill down and investigate platform specific health through a single web interface



Get alerts about deviations in normal activity and diagnose the root cause of performance issues

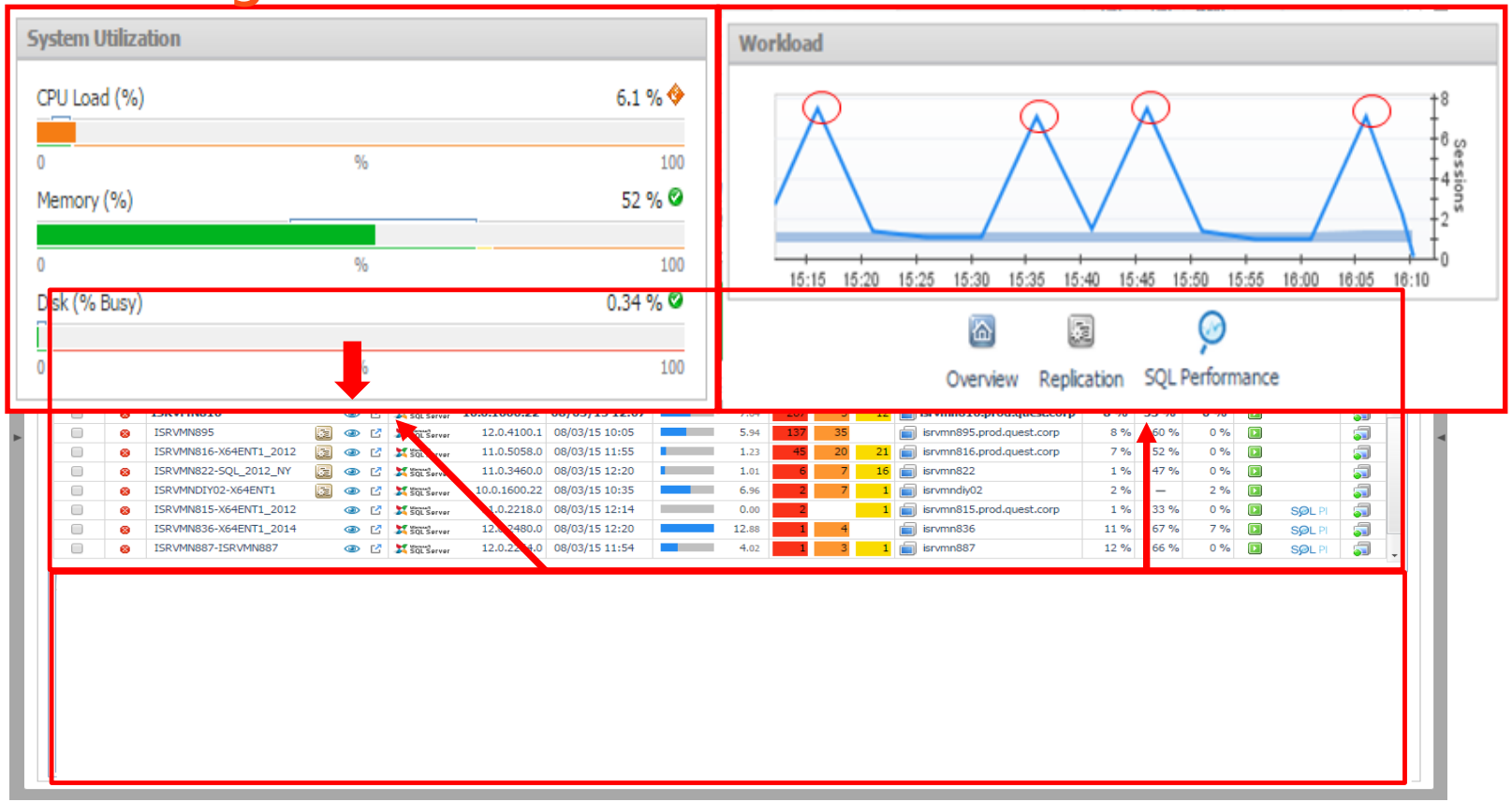
Troubleshoot performance and availability problems in real time or by analyzing historical data



Diagnose performance issues using multi-dimensional analysis (SQL Server & Oracle)

Automate report scheduling and delivery to eliminate time consuming and repetitive tasks

Monitoring Overview - Main Dashboard



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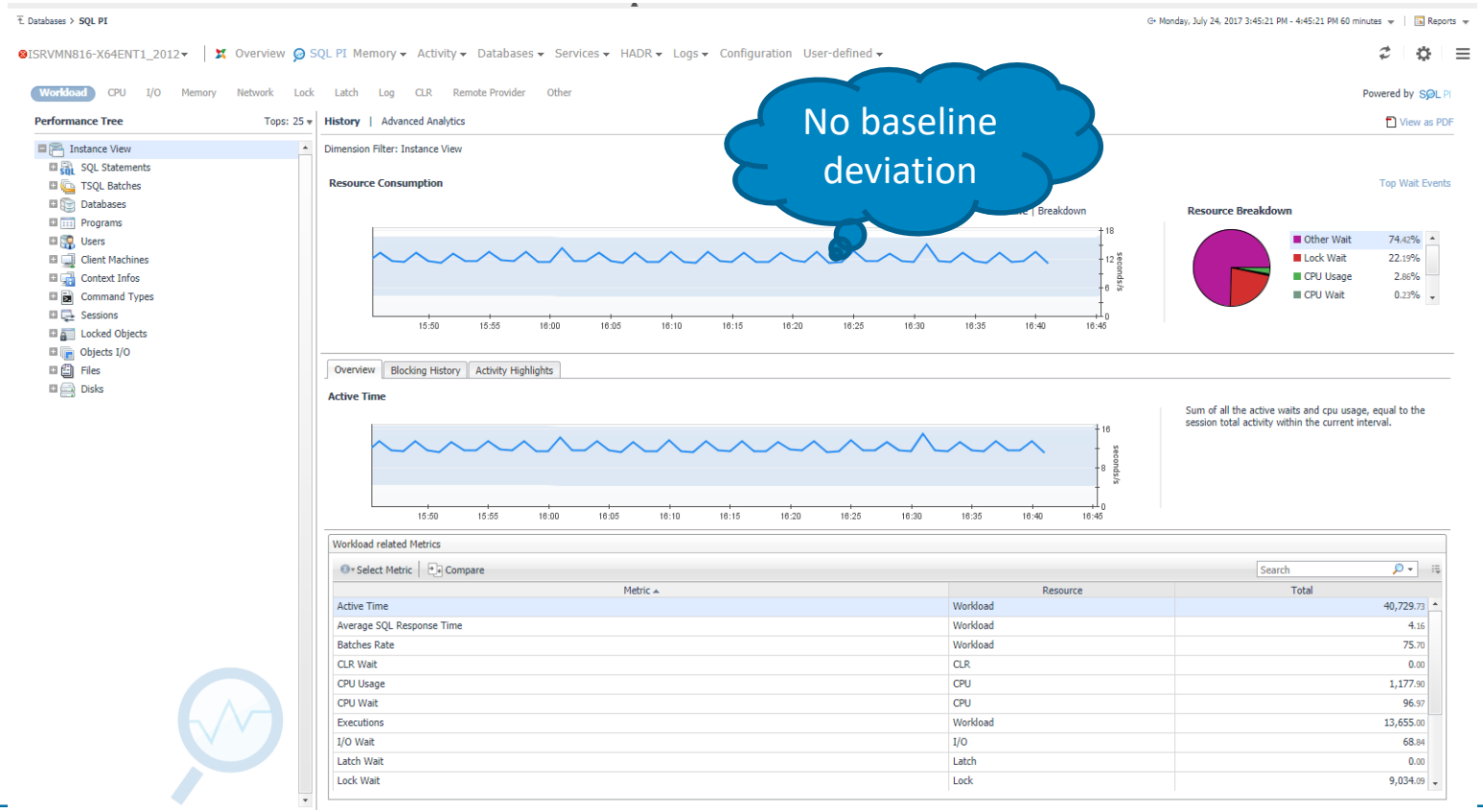
Baseline visualization in Foglight



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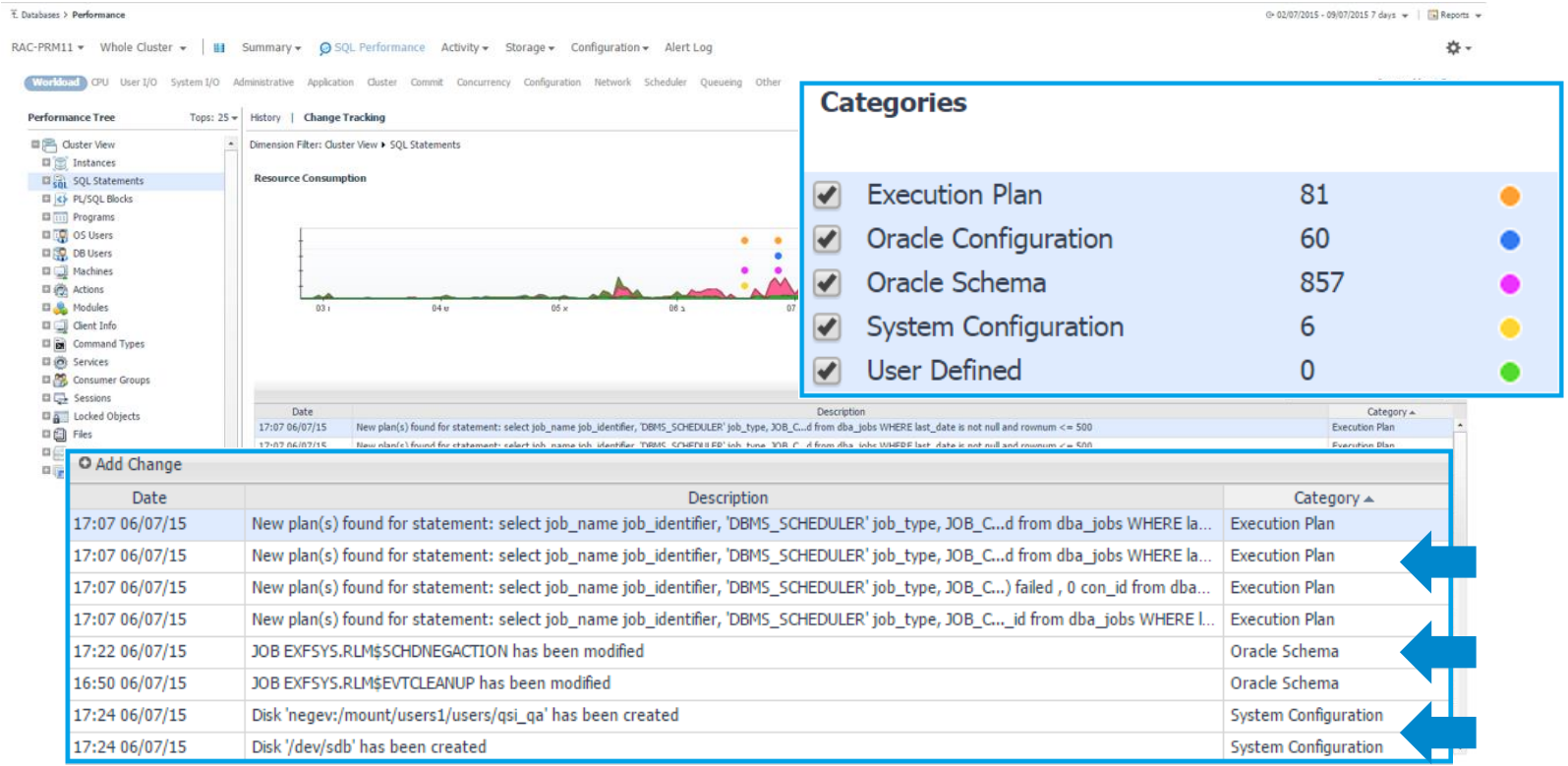
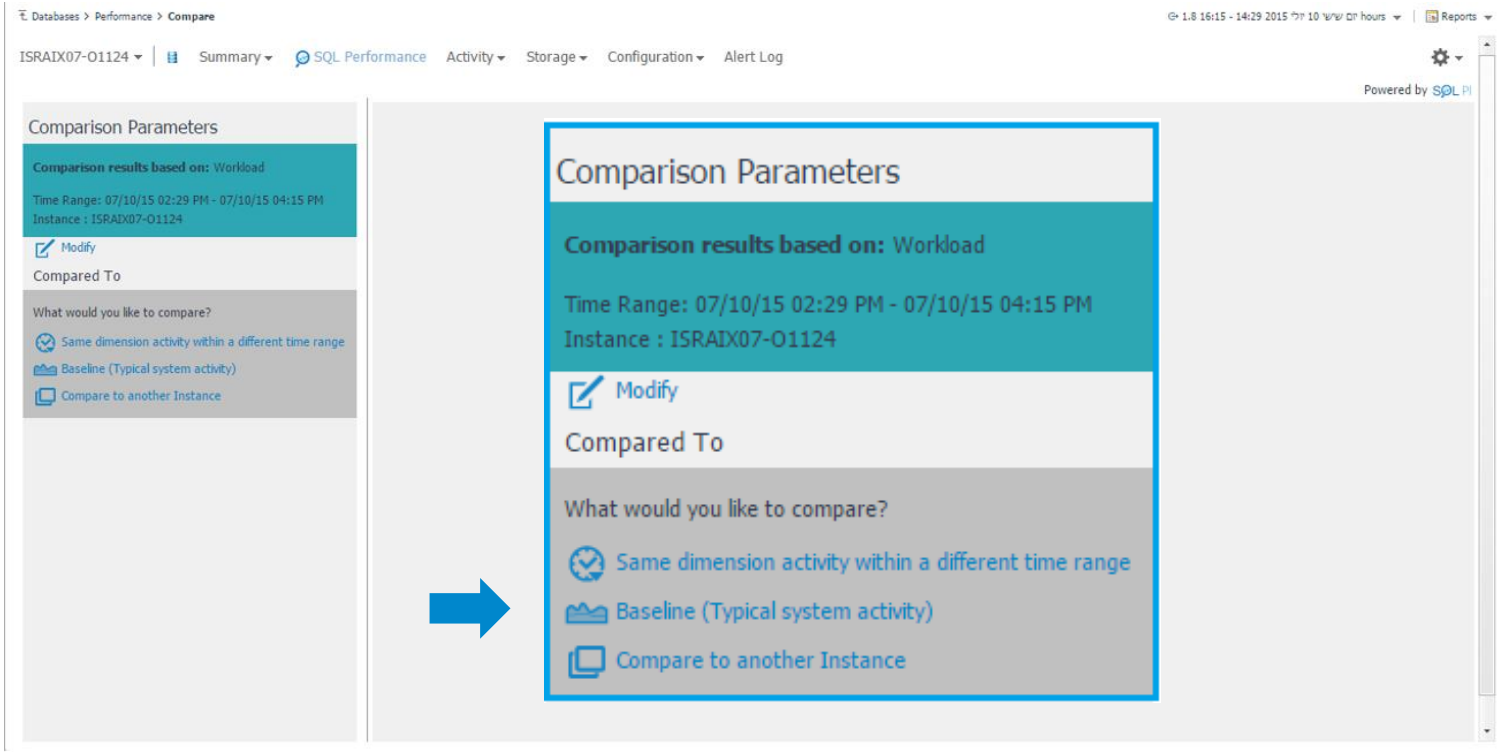
Track Changes & Correlate them with your workload



Compare different Instances or Dimensions



Compare different Instances or Dimensions

Databases > Performance > Compare

ISRAIX07-O1124 | Summary | SQL Performance | Activity | Storage | Configuration | Alert Log

1.8 16:22 - 14:36 2015 יולי 10 יום שישי hours | Reports

Powered by SQL PI

Comparison Parameters

Comparison results based on: Workload

Time Range: 07/10/15 02:29 PM - 07/10/15 04:15 PM
Instance : ISRAIX07-O1124

Modify

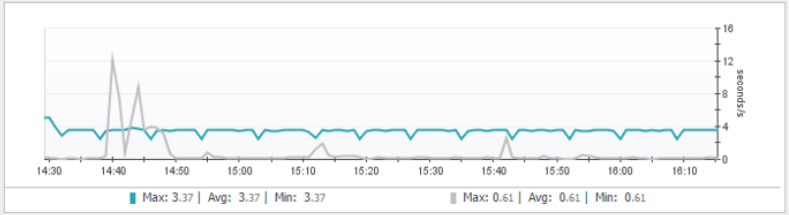
Compared To

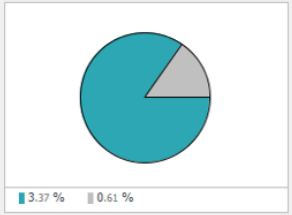
Time Range: 07/10/15 02:29 PM - 07/10/15 04:15 PM
Instance : ISRVMRH541-o12102cdb

Start New Comparison

Workload

View as PDF





Comparison: **Overview** | Configuration

Statistics

Active Time (second)	14,641	3,239
Average SQL Response Time (seconds)	0.00	1.6
Buffer Gets (operations)	13,171,942	1,874,691
Bytes sent via SQL*Net to client (byte)	7,594,584	11,219,666
Direct Writes (writes)	74,268,829	22,045
Disk Reads (reads)	74,268,829	22,045
Elapsed Time (second)	15,330	10,861
Executions	74,262,008	5,404
Fetches	74,268,829	22,045
Parse Count (hard) (parses)	11	105
Parse Count (total) (parses)	5,444,142	6,326
Recursive Calls (calls)	5,545,822	89,818
Rows Processed	74,344,928	198,566
Sorts	10,419	3,341
SQL*Net roundtrips to/from client (roundtrips)	18,362	28,412
User Commits (commits)	2.7	10

Total Changes

Execution Plan	0	0
Oracle Configuration	0	0
Oracle Schema	5	20
System Configuration	0	0
User Defined	0	0

Change Tracking

Compare different Instances or Dimensions

Databases > Performance > Compare

ISRAIX07-O1124 | Summary | SQL Performance | Activity | Storage | Configuration | Alert Log

Comparison Parameters

Comparison: Overview | **Configuration**

Configuration

audit_file_dest	/oravl01/oracle/admin/O1124/ad...	≠	/oravl01/oracle/admin/o12102cd...
audit_sys_operations	FALSE	≠	TRUE
background_dump_dest	/oravl01/oracle/diag/rdbms/o11...	≠	/oravl01/oracle/product/12.1.0...
backup_tape_io_slaves	FALSE	≠	TRUE
blank_trimming	FALSE	≠	TRUE
compatible	11.2.0.4.0	≠	12.1.0.2.0
control_files	/oravl01/oracle/oradata/O1124/...	≠	/oravl01/oracle/oradata/O12102...
core_dump_dest	/oravl01/oracle/diag/rdbms/o11...	≠	/oravl01/oracle/diag/rdbms/o12...
cpu_count	8	≠	4
db_cache_size	0	≠	234881024
db_file_multiblock_read_count	30	≠	34
db_name	O1124	≠	o12102cd
db_securefile	PERMITTED	≠	PREFERRED
db_unique_name	O1124	≠	o12102cdb
dg_broker_config_file1	/oravl01/oracle/product/11.2.0...	≠	/oravl01/oracle/product/12.1.0...
dg_broker_config_file2	/oravl01/oracle/product/11.2.0...	≠	/oravl01/oracle/product/12.1.0...
dispatchers	(PROTOCOL=TCP) (SERVICE=O1124X...	≠	(PROTOCOL=TCP) (SERVICE=o12102...
dml_locks	4080	≠	5384

Computer Science Corporation

Computer Services

"Foglight has helped us as IT Professionals by allowing us to quickly find and resolve our issues".

CSC Database Manager

Challenge

- Lack of visibility into cross platform environment
- Time to resolution
- Tuning and optimizing the database
- Reacting and firefighting

Results

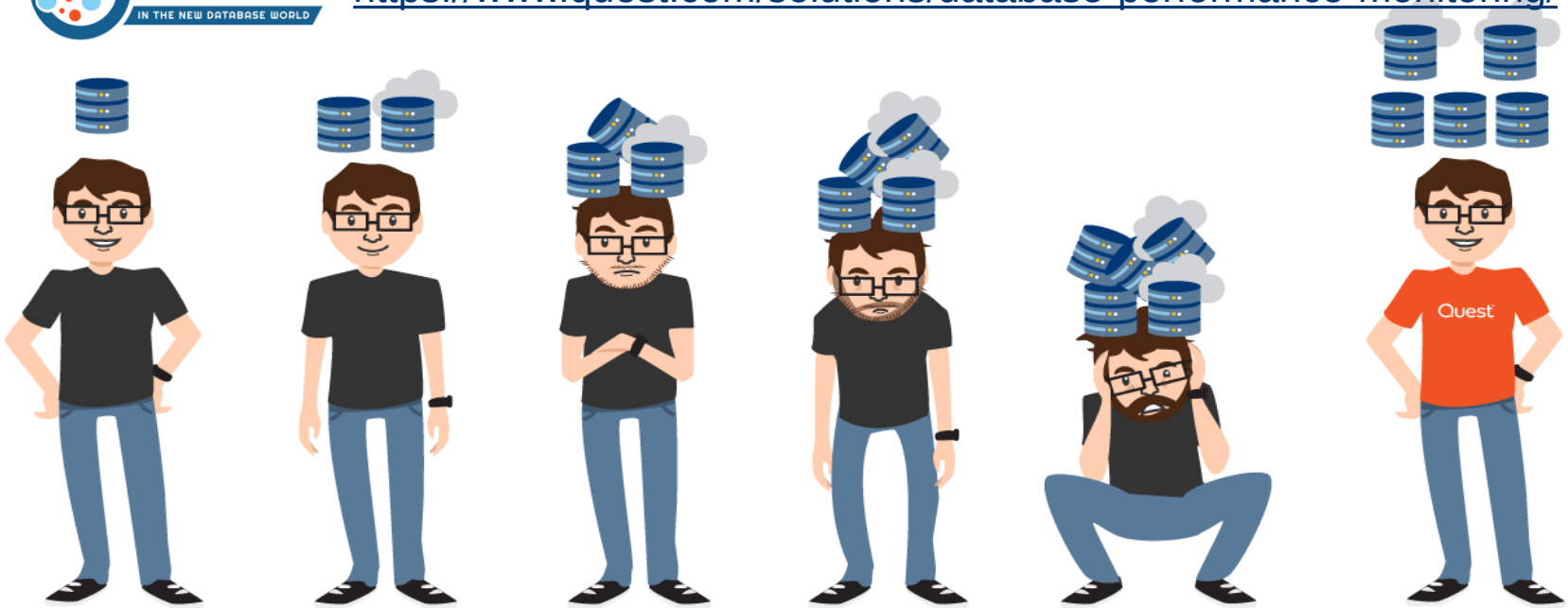
- By implementing Foglight, CSC improved efficiency with a centralized, proactive approach to performance monitoring across platforms.
- Improved uptime and availability overall
- Created team collaboration

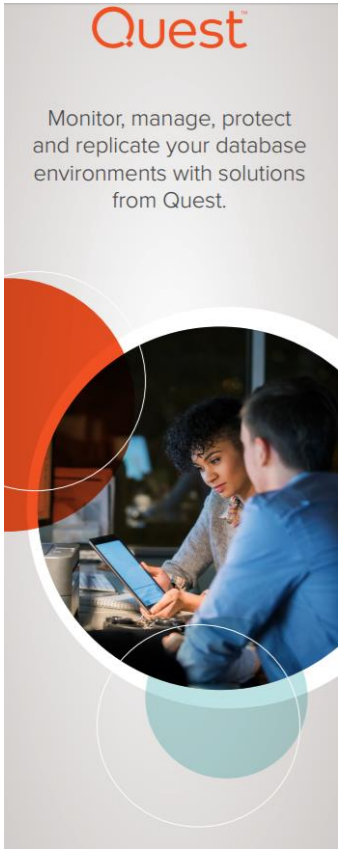
Quest

Quest Software: Information Management

THRIVE IN THE NEW DATABASE WORLD

https://www.quest.com/solutions/database-performance-monitoring/





Information Management Portfolio

- ***Toad*** database development & management tools
- ***SharePlex*** for heterogeneous database replication
- ***Database Performance Monitoring***
  Spotlight & Foglight database performance monitoring solutions
  LiteSpeed for SQL Server database backup & recovery