Rocket® D3
System HealthCheck

Are you getting the best performance from your D3 database running on your Unix or Windows server?

Let our MV Professional Services Consultant find the bottlenecks for you, whether they are due to hardware or database configuration.

Rocket Software Has You Covered
Is Your System Sluggish, and You Feel the Need for Speed?

Engage Rocket Software to perform a HealthCheck to verify your D3 database system is running at optimal performance. Our D3 Consultant can find the bottlenecks for you, whether they are due to hardware or database configuration.

Let Our Expert Ensure Your System is Running Optimally

A D3 HealthCheck focuses on what will be most effective in improving overall system performance and has two major components, the actual system review and a Findings and Recommendations Report, our consultant will identify any issues with a single production system, then make suggestions for the most efficient utilization of resources. These will include whether additional hardware could reduce the impact of any resource constraint.

Corrective actions, such as changing a database configuration parameter, will be performed only after your approval. Tasks of longer duration that will extend beyond this engagement will be clearly delineated in the Findings and Recommendations Report.

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Your Place or Mine?

This review can be performed on-site or remotely. If at your location, your staff can watch us perform the work to gain experience. If performed remotely, you will save on travel expenses and the review might be completed sooner.

You Don't Know What You Don't Know

That's why the Findings and Recommendations Report is important. Written remotely at the end of the engagement, this report explains the items reviewed, issues discovered, corrective actions implemented, and those needing to be planned as future enhancements. The Rocket Consultant will send you the report and schedule a conference call to review it with your staff.

A HealthCheck Includes (but is not limited to):

❖ UNIX/Linux/Windows system monitoring and turning

- Suggestions for improved memory usage
- Disk load balancing for improved I/O through-put

❖ Review of system paging requirements and swapping rates

❖ UNIX/Linux kernel parameter analysis and tuning

❖ Review of accumulated system performance statistics for potential problem indicators

❖ Rocket D3 system configuration and tuning

❖ Review and analysis of D3 locks

❖ Review of D3 shared memory parameters

❖ Capacity planning to identify possible future performance bottlenecks

❖ Analysis of the file-of-files file and system impact

❖ Analysis of the system files and needed mainte-nance

❖ Database version upgrade planning

❖ Problem isolation and resolution

If D3 HotBackup is Operational:

❖ Review operational and maintenance procedures for D3 within the Hot Backup environment and make recommendations as necessary

❖ Review the configuration parameters for Hot Backup and review file logging to ensure that D3 is configured to replicate the critical data required for database recovery

❖ Review Hot Backup error logs for problem indica-tors

❖ Analysis of potential self-monitoring and alerting utilities

Time Alowing, These Additional Items May be Addressed:

❖ Assistance in the implementation of performance optimizations

❖ D3 file sizing analysis, maintenance and perfor-mance tuning

- Run diagnostics on applicable production files
- Analysis of MD file
- Analysis of data dictionaries
- Review use of temporary files
- Analysis of overflow and oversize records

❖ Review of the disk subsystem or SAN configura-tion

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If you are interested in any of these solutions regarding application optimization, please email us at:
MVServices@rocketsoftware.com

Full Disclosure: This Project Usually Creates Follow-On Work!

After the D3 HealthCheck has been completed, the recommendations will need to be implemented. Please remember that the implementation of recommendations other than short-duration corrective tasks is not included in the HealthCheck. You will have to choose what recommendations you wish to implement, and whether to do them yourselves or engage MV Professional Services to assist you.

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