



# RAC Performance Assessment

*“Viscosity has earned their place as a most valued Partner for our IT department. Their professionalism and dedication allowed us to meet our commitments to internal business units, and provide a better performing, better architected system.”*

- Senior Director,  
IT McAfee, Inc.  
(an Intel Company)



Oracle Certified GoldenGate  
Implementation Specialists

Oracle Certified RAC Experts

OEM Cloud Control Monitoring

OEM Cloud Control Management  
Integration

[www.viscosityna.com](http://www.viscosityna.com)



**The RAC Database Performance Assessment from Viscosity will chart the course to help you achieve rapid return on investment in your technology and its underlying infrastructure.**

**Whether you have stability problems on a tier one mission critical database or need evaluation by an independent third party prior to go-live, Viscosity has you covered. By systematically assessing your cluster configuration and performance, Viscosity will outline a plan to address performance problems and industry best practices.**

## Overall Tasks

Perform discovery on servers and database

Assess hardware configuration: Host, Network, and Storage

- Assess OS configuration and recommend best practices
- Review Grid Infrastructure configuration
  - Evaluate patches on Grid Infrastructure
- Assess utilization of CPU, Memory, and shared storage layout
- Review Interconnect performance
- Review cluster wait events
- Review database workload peak IOPs, throughput and performance metrics
- Assess Operating System, ASM or Filesystem,
  - Verify ASM Disk Group
  - Verify ASK groups
  - Cross-reference with best practices, and provide a roadmap for performance
  - Review OS and ASM logs for errors
  - Review kernel parameters and OS settings
- Recommend industry best practices

## Database Tasks

- Review initialization parameters
  - Ascertain non default init parameters
- Review AWR and ASH reports
  - Analyze database wait events
  - Identify top running SQL statement
- Review ORAchk for Oracle software stack health check and compatibility
- Review backup and recovery strategy and verify status of backups
  - Review DR strategy relative to RPO and RTO
  - Review archive retention strategy
  - Evaluation of the backup strategy against stated client requirements
- Confirm flashback configurations
- Review patches on the database environment
- Review, classify, and rank wait events and identify their causes
- Review database and listener logs for Oracle errors

## Deliverables

**Document Assessment findings, industry best practices, and outline strategy to implement**

- A summary presentation that includes the key findings and recommendations of the database workload
- Provide a findings report complete with discovered gaps and remediation recommendations if any needed

*Why Viscosity...* Viscosity is a recognized premier consulting firm of database technologies. Viscosity was founded by industry and authored experts. Many of our experts are prominent thought leaders with backgrounds in Oracle internals and performance tuning. Learn more about how you can maintain and maximize your investments at [www.viscosityna.com](http://www.viscosityna.com), or email us at [sales@viscosityna.com](mailto:sales@viscosityna.com).