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Oracle Database 19c: Performance Tuning

Course Topics

- Tuning Tools
- Tracing (SQL Trace/Autotrace)
- Different methods to run an explain plan
- Identifying Problem SQL Statements
- Execution plan Interpretation
- Influencing the Optimizer
- Statistics
- Hints
- Plan Stability(Stored Outlines/SQL Profiles/SQL Baseline)
- SQL Tuning Sets
- Transporting Stats/STS/Outline/SQL Profiles From One DB to Other DB
- SQL Tuning Advisory
- Using SQL Performance Analyzer
- SQL Plan Management
- Tuning the Shared Pool
- Tuning the Buffer Cache



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- **Tuning PGA and Temporary Space**
- **Automatic Memory Management**
- **Tuning Segment Space Usage**
- **Tuning I/O**
- **Using Automatic Workload Repository**
- **Defining Problems**
- **Using AWR Baselines**
- **Using AWR Based Tools**
- **Interpreting AWR/ASH/ADDM/Trace Reports.**
- **Enhancement of AWR/ADDM/ASH/SPM**
- **What is your objective when tuning a query?**
- **In-depth analysis of Statspack**
- **How to troubleshoot when we can't use AWR/ADDM because the customer is not licensed.**
- **In-depth analysis of explain plan with real time plans and issues**
- **How do you determine if the explain plan you are reading is good or bad?**
- **Tune database using initialization parameters**
- **Use and impact of histograms in query tuning**



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- Adaptive Query Optimization
- Adaptive Plans
- SQL Plan Directives
- Commonly Observed Wait Event and their resolutions
- RAC internode tuning like global waits
- Tracing (SQL Trace 10046/10053 Trace)
- Real cases study based performance tuning of 11g and 12c both
- Parallel query Execution plan Interpretation
- Table and Index Partition
- Identifying on which column to create index
- B-tree and Bitmap Index Usage
- Materialized View and Materialized View Log
- Partitioned Table query Execution plan Interpretation
- Deep Dive on OS Commands/OS Watcher/Other Tools To Monitor PT

For Any Clarification please feel free to contact @ +91 9867328291.

Cheers,
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