

Oracle 19c Performance Monitoring and Tuning - Summary

This document summarizes the key SQL scripts used for Oracle 19c multitenant performance tuning. 1. **sess_top.sql** – Lists top sessions by CPU, I/O, or wait time. Use this to isolate problematic sessions. 2. **awr_top_sqls.sql** – Extracts high-load SQLs from AWR. Useful for identifying resource-heavy queries. 3. **ash_active_sessions.sql** – Captures real-time session activity using Active Session History (ASH). 4. **wait_event_summary.sql** – Summarizes system-wide wait events for diagnosing bottlenecks. 5. **tablespace_usage.sql** – Monitors space usage across datafiles and tablespaces. 6. **io_stats.sql** – Provides I/O performance details by file and tablespace. 7. **sql_plan_details.sql** – Displays the execution plan and tuning hints for specific SQL_IDs. 8. **pdb_resource_usage.sql** – Monitors CPU, memory, and I/O usage across pluggable databases (PDBs). 9. **system_stats_snapshot.sql** – Captures system-level performance stats for comparison and baselining. 10. **locking_issues.sql** – Detects active blocking and waiting sessions to troubleshoot locking contention. --- The below flowchart guides you through a step-by-step approach for diagnosing performance issues.

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