

Oracle 19c Performance Tuning & Monitoring Scripts Summary

1■■■ Session-Level Diagnosis Scripts

Script	Purpose
sess_top.sql	Find top active sessions by CPU, waits, or I/O.
session_wait_chain.sql	Show blocking and waiting session chains.
ash_sample.sql	Sample active sessions from v\$active_session_history.
sql_plan_text.sql	Display current SQL execution plan from memory.
sql_plan_diff.sql	Compare two execution plans for plan regressions.
sql_tuning_advisor_wrapper.sql	Run SQL Tuning Advisor for a SQL_ID.
colusage.sql	Check column usage for missing/stale stats.

2■■■ System-Level Diagnosis (CDB/DB Level)

Script	Purpose
awr_top_sqls.sql	Top SQL by elapsed time, executions, CPU in AWR.
awr_load_profile.sql	Show DB time, CPU, logical/physical reads per snapshot.
awr_io_latency.sql	Analyze average read/write times from AWR.
ash_top_waits.sql	Top wait events in ASH for given time window.
ash_top_sqls.sql	SQLs contributing most to waits or active sessions.
ash_cdb_pdb_compare.sql	Compare ASH activity between CDB\$ROOT and PDBs.
top_segments_io.sql	Find top segments by I/O (AWR or live views).
buffer_busy_waits.sql	Diagnose buffer contention by segment.
db_health_check.sql	Basic health snapshot (CPU, PGA, SGA, I/O).
instance_metrics.sql	Key metrics (sessions, memory, CPU, I/O).
awr_generate_report.sql	Generate AWR report automatically (text format).

3■■■ Multitenant (PDB) Performance Diagnosis Scripts

Script	Purpose
pdb_list_and_status.sql	Lists all PDBs with status (open/read-write).
pdb_resource_usage.sql	CPU, DB_TIME, I/O per PDB between AWR snapshots.
pdb_undo_temp_usage.sql	TEMP and UNDO usage per PDB.
pdb_top_io_objects.sql	Top objects by physical I/O per PDB.
pdb_awr_sql_diff.sql	Compare top SQLs for a PDB between two AWR snapshots.
pdb_service_mapping.sql	Map services to PDBs.

pdb_memory_advice.sql	Approximate SGA/PGA usage per PDB.
pdb_ash_hot_sqls.sql	Top SQLs in ASH for a specific PDB.
pdb_resource_plan_advice.sql	View DBRM plan mappings.
run_pdb_menu.sql	Interactive menu for PDB diagnostics.

4■■■ Utility & Automation Scripts

Script	Purpose
run_menu.sql	Main interactive menu for all system/session diagnostics.
run_pdb_menu.sql	Submenu for multitenant PDB diagnostics.
README.md	Documentation and quickstart guide.

Usage Tips: • Connect as SYSDBA and run @run_menu.sql to start. • Use @multitenant/run_pdb_menu.sql for PDB-level analysis. • Ideal for performance troubleshooting, AWR/ASH diagnostics, and CDB/PDB workload isolation.