

Query Analysis

Consolidated Query Analysis

Query 1: Battery Power On Geographic Summary

Source: battery_power_on_geographic_summary.json

Table: reporting.system_batt_dc_events

Columns:

- guid
- num_power_ons
- duration_mins

Table: reporting.system_sysinfo_unique_normalized

Columns:

- guid
- countryname_normalized

Query 2: Battery On Duration by CPU Family and Generation

Source: battery_on_duration_cpu_family_gen.json

Table: reporting.system_cpu_metadata

Columns:

- guid
- marketcodename
- cpugen

Table: reporting.system_batt_dc_events

Columns:

- guid
- duration_mins

Query 3: Display Devices Connection Type Resolution Durations AC/DC

Source: display_devices_connection_type_resolution_durations_ac_dc.json

Table: reporting.system_display_devices

Columns:

- guid
- connection_type
- resolution_height
- resolution_width
- duration_ac
- duration_dc

Query 4: Display Devices Vendors Percentage

Source: display_devices_vendors_percentage.json

Table: reporting.system_display_devices

Columns:

- guid
 - vendor_name
-

Query 5: MODS Blockers by OS Name and Codename

Source: mods_blockers_by_osname_and_codename.json

Table: reporting.system_mods_top_blocker_hist

Columns:

- guid
- dt

Table: reporting.system_os_codename_history

Columns:

- guid
 - min_ts
 - max_ts
 - os_name
 - os_codename
-

Query 6: Most Popular Browser in Each Country by System Count

Source: most_popular_browser_in_each_country_by_system_count.json

Table: reporting.system_sysinfo_unique_normalized

Columns:

- guid
- countryname_normalized

Table: reporting.system_web_cat_usage

Columns:

- guid
 - browser
-

Query 7: On/Off MODS Sleep Summary by CPU Market Codename and Generation

Source: on_off_mods_sleep_summary_by_cpu_marketcodename_gen.json

Table: reporting.system_on_off_suspend_time_day

Columns:

- guid
- on_time
- off_time
- mods_time
- sleep_time

Table: reporting.system_cpu_metadata

Columns:

- guid
- marketcodename
- cpugen

Query 8: Persona Web Category Usage Analysis

Source: persona_web_cat_usage_analysis.json

Table: reporting.system_sysinfo_unique_normalized

Columns:

- guid
- persona

Table: reporting.system_web_cat_pivot_duration

Columns:

- guid
- content_creation_photo_edit_creation
- content_creation_video_audio_edit_creation
- content_creation_web_design_development
- education
- entertainment_music_audio_streaming
- entertainment_other
- entertainment_video_streaming
- finance
- games_other
- games_video_games
- mail
- news
- unclassified
- private
- productivity_crm
- productivity_other
- productivity_presentations
- productivity_programming

- productivity_project_management
 - productivity_spreadsheets
 - productivity_word_processing
 - recreation_travel
 - reference
 - search
 - shopping
 - social_social_network
 - social_communication
 - social_communication_live
-

Query 9: Package Power by Country

Source: pkg_power_by_country.json

Table: reporting.system_sysinfo_unique_normalized

Columns:

- guid
- countryname_normalized

Table: reporting.system_hw_pkg_power

Columns:

- guid
 - nrs
 - mean
-

Query 10: Popular Browsers by Count Usage Percentage

Source: popular_browsers_by_count_usage_percentage.json

Table: reporting.system_web_cat_usage

Columns:

- guid
 - browser
 - duration_ms
-

Query 11: RAM Utilization Histogram

Source: ram_utilization_histogram.json

Table: reporting.system_memory_utilization

Columns:

- guid
- sysinfo_ram

- nrs
 - avg_percentage_used
-

Query 12: Ranked Process Classifications

Source: ranked_process_classifications.json

Table: reporting.system_mods_power_consumption

Columns:

- user_id
 - total_power_consumption
-

Query 13: Server Exploration 1

Source: server_exploration_1.json

Table: reporting.system_network_consumption

Columns:

- guid
- nrs
- input_desc
- avg_bytes_sec

Table: reporting.system_sysinfo_unique_normalized

Columns:

- guid
 - chassis_type
 - model_vendor_normalized
 - model_normalized
 - ram
 - os
 - #ofcores
-

Query 14: Top 10 Applications by App Type Ranked by Focal Time

Source: top_10_applications_by_app_type_ranked_by_focal_time.json

Table: reporting.system_frgnd_apps_types

Columns:

- guid
- app_type
- exe_name
- totalsecfocal_day

Query 15: Top 10 Applications by App Type Ranked by System Count

Source: top_10_applications_by_app_type_ranked_by_system_count.json

Table: reporting.system_frgnd_apps_types

Columns:

- guid
- app_type
- exe_name

Query 16: Top 10 Applications by App Type Ranked by Total Detections

Source: top_10_applications_by_app_type_ranked_by_total_detections.json

Table: reporting.system_frgnd_apps_types

Columns:

- guid
- app_type
- exe_name
- lines_per_day

Query 17: Top 10 Processes per User ID Ranked by Total Power Consumption

Source: top_10_processes_per_user_id_ranked_by_total_power_consumption.json

Table: reporting.system_mods_power_consumption

Columns:

- user_id
- app_id
- total_power_consumption

Query 18: Top 20 Most Power Consuming Processes by Avg Power Consumed

Source: top_20_most_power_consuming_processes_by_avg_power_consumed.json

Table: reporting.system_mods_power_consumption

Columns:

- app_id
- total_power_consumption

Query 19: Top MODS Blocker Types Durations by OS Name and Codename

Source: top_mods_blocker_types_durations_by_osname_and_codename.json

Table: reporting.system_mods_top_blocker_hist

Columns:

- guid
- blocker_name
- active_time_ms
- activity_level
- blocker_type
- dt

Table: reporting.system_os_codename_history

Columns:

- guid
- os_name
- os_codename
- min_ts
- max_ts

Query 20: UserWait Top 10 Wait Processes

Source: userwait_top_10_wait_processes.json

Table: reporting.system_userwait

Columns:

- guid
- proc_name
- total_duration_ms
- number_of_instances
- event_name

Query 21: UserWait Top 10 Wait Processes by Wait Type AC/DC

Source: userwait_top_10_wait_processes_wait_type_ac_dc.json

Table: reporting.system_userwait

Columns:

- event_name
- acdc
- proc_name
- total_duration_ms
- number_of_instances

Query 22: UserWait Top 20 Wait Processes Comparing AC/DC/Unknown Durations

Source: userwait_top_20_wait_processes_compare_ac_dc_unknown_durations.json

Table: reporting.system_userwait

Columns:

- guid
- proc_name
- acdc
- number_of_instances
- total_duration_ms
- event_name

Query 23: Xeon Network Consumption

Source: Xeon_network_consumption.json

Table: reporting.system_sysinfo_unique_normalized

Columns:

- guid
- cpuname
- cpucode
- os

Table: reporting.system_network_consumption

Columns:

- guid
- nrs
- input_desc
- avg_bytes_sec

Query 24: Average Platform Power, C0, Frequency, and Temperature by Chassis

Source: avg_platform_power_c0_freq_temp_by_chassis.json

Table: reporting.system_sysinfo_unique_normalized

Columns:

- guid
- chassis_type

Table: reporting.system_psyst_rap_watts

Columns:

- guid
- nrs
- avg_psyst_rap_watts

Table: reporting.system_pkg_C0

Columns:

- guid
- nrs
- avg_pkg_c0

Table: reporting.system_pkg_avg_freq_mhz

Columns:

- guid
- nrs
- avg_avg_freq_mhz

Table: reporting.system_pkg_temp_centigrade

Columns:

- guid
- nrs
- avg_temp_centigrade

Summary

Summary of All Tables and Columns Required

1. reporting.system_batt_dc_events
Columns: guid, num_power_ons, duration_mins
Used in queries: 1, 2
2. reporting.system_sysinfo_unique_normalized
Columns: guid, countryname_normalized, chassistype, modelvendor_normalized, model_normalized, ram, os, #ofcores, cpuname, cpucode, persona
Used in queries: 1, 6, 8, 9, 13, 23, 24
3. reporting.system_cpu_metadata
Columns: guid, marketcodename, cpugen
Used in queries: 2, 7
4. reporting.system_display_devices
Columns: guid, connection_type, resolution_heigth, resolution_width, duration_ac, duration_dc, vendor_name
Used in queries: 3, 4
5. reporting.system_mods_top_blocker_hist
Columns: guid, dt, blocker_name, active_time_ms, activity_level, blocker_type
Used in queries: 5, 19
6. reporting.system_os_codename_history
Columns: guid, min_ts, max_ts, os_name, os_codename
Used in queries: 5, 19
7. reporting.system_web_cat_usage
Columns: guid, browser, duration_ms
Used in queries: 6, 10
8. reporting.system_on_off_suspend_time_day
Columns: guid, on_time, off_time, mods_time, sleep_time
Used in queries: 7
9. reporting.system_web_cat_pivot_duration
Columns: guid and all web category duration fields
Used in queries: 8
10. reporting.system_hw_pkg_power
Columns: guid, nrs, mean
Used in queries: 9
11. reporting.system_memory_utilization
Columns: guid, sysinfo_ram, nrs, avg_percentage_used
Used in queries: 11

12. reporting.system_mods_power_consumption
Columns: user_id, app_id, total_power_consumption
Used in queries: 12, 17, 18
13. reporting.system_network_consumption
Columns: guid, nrs, input_desc, avg_bytes_sec
Used in queries: 13, 23
14. reporting.system_frgnd_apps_types
Columns: guid, app_type, exe_name, totalsecfocal_day, lines_per_day
Used in queries: 14, 15, 16
15. reporting.system_userwait
Columns: guid, proc_name, acdc, number_of_instances, total_duration_ms, event_name
Used in queries: 20, 21, 22
16. reporting.system_psys_rap_watts
Columns: guid, nrs, avg_psys_rap_watts
Used in queries: 24
17. reporting.system_pkg_C0
Columns: guid, nrs, avg_pkg_c0
Used in queries: 24
18. reporting.system_pkg_avg_freq_mhz
Columns: guid, nrs, avg_avg_freq_mhz
Used in queries: 24
19. reporting.system_pkg_temp_centigrade
Columns: guid, nrs, avg_temp_centigrade
Used in queries: 24