no_cellular_service:

1. **entry_date** (string) – Date data was ingested into back-end servers.
2. **version** (string) – Application version reporting data.
3. **version_code** (int) – Code of application version reporting data.
4. **time_stamp** (bigint) – Timestamp of when data was collected on the device.
5. **time_zone** (string) – Time zone of the device collecting the data.
6. **time_zone_offset** (int) – Offset of device time zone from UTC time in milliseconds.
7. **phone_type** (string) – Type of cellular service (GSM or CDMA)
8. **location_time_stamp** (bigint) – timestamp of location data collection.
9. **location_provider** (string) – location provider (gps/network).
10. **latitude** (double) – latitude.
11. **longitude** (double) – longitude.
12. **accuracy** (int) – location accuracy.
13. **sim_operator_name** (string) – Name of carrier network from sim card.
14. **sim_mnc** (int) – Registered SIM mnc.
15. **sim_mcc** (int) – Registered SIM mcc.
16. **Year** – Year.
17. **Month** – Month.
18. **Day** - Day.

network_diagnostics:

1. **entry_date** (string) – Date data was ingested into back-end servers.
2. **SDK_version** (string) – Version name of the SDK.
3. **SDK_version_code** (int) – Numeric version code of the SDK.
4. **start_time** (bigint) – Unix timestamp, in milliseconds, of when network test started.
5. **end_time** (bigint) – Unix timestamp, in milliseconds, of when network test ended.
6. **time_offset** (int) – Offset in milliseconds of device local time compared to UTC time.
7. **connection_type** (int) – Mobile/WiFi/Bluetooth/etc.
8. **cell_id_changed** (tinyint) – Offset in milliseconds of device local time compared to UTC time.
9. **latency_minimum** (float) – Minimum latency observed during ping test (milliseconds).
10. **latency_maximum** (float) – Maximum latency observed during ping test (milliseconds).
11. **latency_average** (float) – Average latency observed during ping test (milliseconds).
12. **latency_deviation** (float) – Latency Standard Deviation observed during ping test (milliseconds).
13. **latency_jitter** (float) – Latency Jitter observed during ping test (milliseconds).
14. **download_algorithm** (int) – Identifier of algorithm used to calculate download throughput.
15. **download_minimum** (float) – Minimum download throughput observed during the session (bytes/s).
16. **download_maximum** (float) – Maximum download throughput observed during the session (bytes/s).
17. **download_average** (float) – Average download throughput observed during the session (bytes/s).

18. **download_data_size** (bigint) – Total amount of data, in bytes, downloaded during test.
19. **upload_algorithm** (int) – Identifier of algorithm used to calculate upload throughput.
20. **upload_minimum** (float) – Minimum upload throughput observed during the session. (bytes/s).
21. **upload_maximum** (float) – Maximum upload throughput observed during the session. (bytes/s).
22. **upload_average** (float) – Average upload throughput observed during the session. (bytes/s).
23. **upload_data_size** (bigint) – Total amount of data, in bytes, uploaded during test.
24. **mnsi_time_stamp** (bigint) – Timestamp of when signal strength data was collected on the device.
25. **phone_type** (string) – Type of phone connection. Eg. CDMA
26. **network_ type** (string) – Type of network connection Eg. LTE
27. **technology** (string) - Depricated
28. **base_station_id** (int) – Base Station ID for cell tower
29. **base_station_latitude** (decimal(10,7)) – Latitude of cell tower, if attainable.
30. **base_station_longitude** (decimal(10,7)) – Longitude of cell tower, if attainable.
31. **network_ id** (int) – ID of the current network in use.
32. **system_id** (int) – CDMA equivalent to MNC.
33. **cid** (int) – Network Cell ID.
34. **lac** (int) – Location Area Code. Location areas are comprised of one or several radio cells. Each location area is given an unique number within the network.
35. **cell_tower_info_time_stamp** (bigint) – Timestamp of when cell tower data was collected on the device.
36. **dbm** (double) – Signal strength/quality reading from device.
37. **asu** (double) – Signal strength/quality reading from device.
38. **ecio** (int) – CDMA & EVDO Signal strength/quality reading from device.
39. **rsrp** (int) – Current Signal strength/quality reading from device.
40. **rsrq** (int) – Current Signal strength/quality reading from device.
41. **bit_error_rate** (int) – GSM Signal error rate reading from device
42. **wcdma_bit_error_rate** (int) – WCDMA error rate reading from device
43. **location_time_stamp** (bigint) – Timestamp of when location data was collected on the device.
44. **location_provider** (string) – source of location data (gps/network).
45. **latitude** (decimal(10,7)) – Latitude of device as reported by Google Play Services.
46. **longitude** (decimal(10,7)) – Longitude of device as reported by Google Play Services.
47. **accuracy** (int) – Accuracy of long/lat reading (in meters)
48. **network_operator_name** (string) – Name of network operator as reported by the device.
49. **network_country_iso** (string) – ISO country abbreviation as reported by the device.
50. **network_mnc** (int) – Current network mnc.
51. **network_mcc** (int) – Current network mcc.
52. **sim_operator_name** (string) – Name of carrier network from sim card.
53. **sim_country_iso** (string) – Country reported by sim card.
54. **sim_mnc** (int) – Registered SIM mnc.
55. **sim_mcc** (int) – Registered SIM mcc.

56. **resources_mnc** (int) – Resources mnc.
57. **resources_mcc** (int) – Resources mcc.
58. **registered** (boolean) – Deprecated.
59. **lte_signal_strength** (int) – LTE signal strength reading from device.
60. **lte_rsrp** (int) – LTE rsrp reading from device.
61. **lte_rsrq** (int) – LTE RSRQ reading from device.
62. **lte_rssnr** (int) – LTE RSSNR reading from device.
63. **lte_cqi** (int) – LTE CQI reading from device.
64. **lte_dbm** (int) – LTE dbm reading from device.
65. **lte_asu** (int) – LET ASU reading from device.
66. **cdma_dbm** (int) – CDMA dbm
67. **cdma_asu** (int) – CDMA ASU reading from device.
68. **cdma_ecio** (int) – CDMA ECIO reading from device.
69. **evdo_dbm** (int) – EVDO dbm reading from device.
70. **evdo_aasu** (int) – EVDO AASU reading from device.
71. **evdo_ecio** (int) – EVDO ecio reading from device.
72. **evdo_snr** (int) – EVDO SNR reading from device.
73. **gsm_dbm** (int) – GSM dbm reading from device.
74. **gsm_asu** (int) – GSM ASU reading from device.
75. **gsm_bit_error** (int) – GSM bit error rate reading from device.
76. **tdscdma_dbm** (int) – TDSCDMA dbm reading from device.
77. **tdscdma_asu** (int) – TDSCDMA ASU reading from device.
78. **gps_available** (boolean) – Is GPS available (True/False)
79. **lte_ci** (int) – LTE CI reading from device.
80. **lte_pci** (int) – LTE PCI reading from device.
81. **lte_tac** (int) – LTE TAC reading from device.
82. **wcdmadbm** (int) – WCDMA dbm reading from device.
83. **wcdmaasu** (int) – WCDMA ASU reading from device.
84. **wcdmacid** (int) – WCDMA CID reading from device.
85. **wcdmalac** (int) – WCDMA LAC reading from device.
86. **wcdmapsc** (int) – WCDMA PSC reading from device.
87. **roaming** (boolean) – Is device roaming (True/False).
88. **raw_network_type** (int) – Integer representing the raw network type, as reported by the Android Telephony Manager.
89. **data_network_type** (int) – Integer representing the data network type, as reported by the Android Telephony Manager.
90. **voice_network_type** (int)– Integer representing the voice network type, as reported by the Android Telephony Manager.
91. **lte_earfcn** (int) – LTE channel number.
92. **lte_timing_advance** (int) – LTE timing advance.
93. **gsm_arfcn** (int) – GSM ARFCN.
94. **gsm_bsic** (int) – GSM BSIC.
95. **wcdma_uarfcn** (int) – WCDMA UARFCN.
96. **data_rx** (int) – Data received (in bytes) while connected during this session.

97. **data_tx** (int) – Data transmitted (in bytes) while connected during this session.
98. **indoor_outdoor_weight** (float) – Weighting of probability of device being indoors or outdoors. 0=neutral weighting, lower negative value indicates higher probability of being outdoors and higher positive number indicates higher probability of being indoors.
99. **nr_nci (bigint)** – NR(New Radio 5G) Cell Identity.
100. **nr_arfcn (int)** – New Radio Absolute Radio Frequency Channel Number.
101. **nr_pci (int)** – New Radio physical cell id.
102. **nr_tac (int)** – New Radio tracking area code.
103. **nr_asu_level (int)** – New radio RSRP in ASU.
104. **nr_csi_rsrp (int)** – New Radio Channel State Information reference signal received power in dBm.
105. **nr_csi_rsrq (int)** - New Radio Channel State Information reference signal received quality.
106. **nr_csi_sinr (int)** – New Radio Channel State Information signal to noise ratio.
107. **nr_dbm (int)** – New Radio dbm.
108. **nr_level (int)** – New Radio abstract level.
109. **nr_ss_rsrp (int)** – New Radio Synchronization Signal reference signal received power in dBm.
110. **nr_ss_rsrq (int)** – New Radio Synchronization Signal reference signal received quality.
111. **nr_ss_sinr (int)** – New Radio Synchronization Signal signal to noise ratio.
112. **is_using_carrier_aggregation (boolean)** – Indicates when device is using carrier aggregation for current connection.
113. **secondary_cell_nr_nci (bigint)** – NR Cell Identity when secondary NR cell is being used.
114. **test_trigger (int)** – Indicates how the test was triggered (0 = Automated, 1 = User Initiated)
115. **test_type (int)** – Indicates the types of tests that were performed (0 = All, 1 = Jitter and Latency, 2 = Download Throughout, 3 = Upload Throughput)
116. **wifi_time_stamp (bigint)** – Timestamp of WiFi data collection.
117. **wifi_ssid (string)** – SSID for WiFi connection.
118. **wifi_ip_address (string)** – Internal WiFi IP address at start of test.
119. **wifi_connection_speed (int)** – WiFi connection speed at start of test.
120. **wifi_signal_strength_dbm (int)** – WiFi signal strength at start of test.
121. **wifi_connected_wifi_band_frequency (int)** – WiFi connection frequency at start of test.
122. **wifi_location_time_stamp (bigint)** – Timestamp of location reading used.
123. **wifi_location_provider (string)** – Source of location data (fused/gps/network).
124. **wifi_latitude (double)** – Latitude at start of test.
125. **wifi_longitude (double)** – Longitude at start of test.
126. **wifi_accuracy (float)** – Location accuracy in meters.
127. **wifi_data_rx (bigint)** – Quantity of data received during the testing period (bytes).
128. **wifi_data_tx (bigint)** – Quantity of data transmitted during the testing period (bytes).
129. **is_5g_connected (boolean)** – Indicates if 5G is connected for the current connection.
130. **Year** – Year.
131. **Month** – Month.
132. **Day** - Day.

mobile_network_signal_info

1. **entry_date (string) –** Date data was ingested into back-end servers.
2. **time_stamp (bigint) –** Timestamp of when signal strength data was collected on the device.
3. **time_zone (string)** – Time zone of the device collecting the data.
4. **phone_type (string)** – Type of phone connection. Eg. CDMA
5. **network_ type (string)** – Type of network connection Eg. LTE
6. **technology (string)** - Depricated
7. **base_station_id (int)** – Base Station ID for cell tower
8. **base_station_latitude (decimal(10,7))** – Latitude of cell tower, if attainable.
9. **base_station_longitude (decimal(10,7))** – Longitude of cell tower, if attainable.
10. **network_ id (int)** – ID of the current network in use.
11. **system_id (int)** – CDMA equivalent to MNC.
12. **cid (int)** – Network Cell ID.
13. **lac (int)** – Location Area Code. Location areas are comprised of one or several radio cells. Each location area is given an unique number within the network.
14. **cell_tower_info_time_stamp (bigint)** – Timestamp of when cell tower data was collected on the device.
15. **dbm (double)** – Signal strength/quality reading from device.
16. **asu (double)** – Signal strength/quality reading from device.
17. **ecio (int)** – CDMA & EVDO Signal strength/quality reading from device.
18. **rsrp (int)** – Current Signal strength/quality reading from device.
19. **rsrq (int)** – Current Signal strength/quality reading from device.
20. **bit_error_rate (int)** – GSM Signal error rate reading from device
21. **wcdma_bit_error_rate (int)** – WCDMA error rate reading from device
22. **location_time_stamp (bigint)** – Timestamp of when location data was collected on the device.
23. **location_provider (string)** – source of location data (gps/network).
24. **latitude (decimal(10,7))** – Latitude of device as reported by Google Play Services.
25. **longitude (decimal(10,7))** – Longitude of device as reported by Google Play Services.
26. **accuracy (int)** – Accuracy of long/lat reading (in meters)
27. **network_operator_name (string)** – Name of network operator as reported by the device.
28. **network_country_iso (string)** – ISO country abbreviation as reported by the device.
29. **network_mnc (int)** – Current network mnc.
30. **network_mcc (int)** – Current network mcc.
31. **sim_operator_name (string)** – Name of carrier network from sim card.
32. **sim_country_iso (string)** – Country reported by sim card.
33. **sim_mnc (int)** – Registered SIM mnc.
34. **sim_mcc (int)** – Registered SIM mcc.
35. **resources_mnc (int)** – Resources mnc.
36. **resources_mcc (int)** – Resources mcc.
37. **registered (boolean)** – Deprecated.
38. **lte_signal_strength (int)** – LTE signal strength reading from device.
39. **lte_rsrp (int)** – LTE rsrp reading from device.
40. **lte_rsrq (int)** – LTE RSRQ reading from device.

41. **lte_rssnr (int)** – LTE RSSNR reading from device.
42. **lte_cqi (int)** – LTE CQI reading from device.
43. **lte_dbm (int)** – LTE dbm reading from device.
44. **lte_asu (int)** – LET ASU reading from device.
45. **cdma_dbm (int)** – CDMA dbm.
46. **cdma_asu (int)** – CDMA ASU reading from device.
47. **cdma_ecio (int)** – CDMA ECIO reading from device.
48. **evdo_dbm (int)** – EVDO dbm reading from device.
49. **evdo_aasu (int)** – EVDO AASU reading from device.
50. **evdo_ecio (int)** – EVDO ecio reading from device.
51. **evdo_snr (int)** – EVDO SNR reading from device.
52. **gsm_dbm (int)** – GSM dbm reading from device.
53. **gsm_asu (int)** – GSM ASU reading from device.
54. **gsm_bit_error (int)** – GSM bit error rate reading from device.
55. **tdscdma_dbm (int)** – TDSCDMA dbm reading from device.
56. **tdscdma_asu (int)** – TDSCDMA ASU reading from device.
57. **gps_available (boolean)** – Is GPS available (True/False)
58. **lte_ci (int)** – LTE CI reading from device.
59. **lte_pci (int)** – LTE PCI reading from device.
60. **lte_tac (int)** – LTE TAC reading from device.
61. **wcdmadbm (int)** – WCDMA dbm reading from device.
62. **wcdmaasu (int)** – WCDMA ASU reading from device.
63. **wcdmacid (int)** – WCDMA CID reading from device.
64. **wcdmalac (int)** – WCDMA LAC reading from device.
65. **wcdmapsc (int)** – WCDMA PSC reading from device.
66. **roaming (boolean)** – Is device roaming (True/False).
67. **raw_network_type (int)** – Integer representing the raw network type, as reported by the Android Telephony Manager.
68. **data_network_type (int)** – Integer representing the data network type, as reported by the Android Telephony Manager.
69. v**oice_network_type (int)** – Integer representing the voice network type, as reported by the Android Telephony Manager.
70. **lte_earfcn (int)** – LTE channel number.
71. **lte_timing_advance (int)** – LTE timing advance.
72. **gsm_arfcn (int)** – GSM ARFCN.
73. **gsm_bsic (int)** – GSM BSIC.
74. **wcdma_uarfcn (int)** – WCDMA UARFCN.
75. **data_rx (int)** – Data received (in bytes) while connected during this session.
76. **data_tx (int)** – Data transmitted (in bytes) while connected during this session.
77. **indoor_outdoor_weight (float)** – Weighting of probability of device being indoors or outdoors. 0=neutral weighting, lower negative value indicates higher probability of being outdoors and higher positive number indicates higher probability of being indoors.
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85. **nr_csi_sinr (int)** – New Radio Channel State Information signal to noise ratio.
86. **nr_dbm (int)** – New Radio dbm.
87. **nr_level (int)** – New Radio abstract level.
88. **nr_ss_rsrp (int)** – New Radio Synchronization Signal reference signal received power in dBm.
89. **nr_ss_rsrq (int)** – New Radio Synchronization Signal reference signal received quality.
90. **nr_ss_sinr (int)** – New Radio Synchronization Signal signal to noise ratio.
91. **is_using_carrier_aggregation (boolean)** – Indicates when device is using carrier aggregation for current connection.
92. **secondary_cell_nr_nci (bigint)** – NR Cell Identity when secondary NR cell is being used.
93. **is_5g_connected (boolean)** – Indicates if 5G is connected for the current connection.
94. **Year (int)** – Year.
95. **Month (int)** – Month.
96. **Day (int)** - Day.