Tracely I/O Structure output

Key	Туре	Details	Example Format
Key cleaned_trace	Type list	Details A list of dictionaries where each dictionary is a ping in the cleaned trace. The list will have at least in dictionaries if there were in ping in the input payload. There are only three scenarios while creating cleaned trace.  - Cleaned trace can have same latitude longitude for some ping as provided in the input.  - Some ping can be emoved Some ping can be interpolated for the current ping. If the current ping is lets say nth interpolated ping between two consecutive ping dis like ping id _ land ping _id _ then the ping _id for this ping will be ping _id _ n. If ping_id is available in input then that will be used, otherwise it will be generated.  input _latitude <float, none="">: Original latitude of the ping as provided in the input. Will be None in case the ping is an interpolated ping.  input _longitude <float, none="">: Original longitude of the ping as provided in the input. Will be None in case the ping is an interpolated ping.  timestamp <in> - Interpolated fines ping is an interpolated ping.  timestamp <in> - Interpolated ping is an interpolated ping.  timestamp <in> - Interpolated ping is an interpolated ping.  timestamp <in> - Interpolated ping is an interpolated ping.  timestamp <in> - Interpolated ping is an interpolated ping.  timestamp <in> - Interpolated ping is an interpolated ping.  timestamp <in> - Interpolated ping is an interpolated ping.  timestamp <in> - Interpolated ping is an interpolated ping.  timestamp <in> - Interpolated ping is not ping.  - Interpolated ping is an interpolated ping.  timestamp <in> - Interpolated ping is not ping.  - Interpolated ping ping of ping.  - Interpolated</in></in></in></in></in></in></in></in></in></in></float,></float,>	[ {
cleaning_summary	dict	A dictionary summarising the results of trace cleaning. The dictionary has the following keys and values:  total_pings_in_input <int>: Denotes total number of pings in the input. total_non_null_pings_in_input <int>: Denotes total number of non null pings in the input. total_non_null_pings_in_output <int>: Denotes total number of non null pings in the output. total_trace_time <str>: Denotes total number of non null pings in the output. total_trace_time <str>: Denotes total time taken in raw trace, in (value) hours, (value) minutes and (value) seconds unchanged_percentage <float>: The percentage of non null pings from the input trace whose location is unchanged in the cleaned trace. drop_percentage <float>: The percentage of non null pings from the input trace which were dropped in cleaned trace. updation_percentage <float>: The percentage of updated pings w.r.t the number of non null input pings. interpolation_percentage <float>: The percentage of pings which are interpolated w.r.t the number of non null input pings. total_execution_time <float>: Total time taken in seconds for creating cleanable trace (TraceClean) object and applying trace cleaning functions (TraceClean methods)</float></float></float></float></float></str></str></int></int></int>	(total_pings_in_input: 3114, total_non_null_pings_in_input: 2965, total_non_null_pings_in_output: 1644, total_trace_lime: '7 hours, 24 minutes and 38 seconds', tunchanged_percentage: 41.28, 'drop_percentage: 44.55, 'updation_percentage: 14.17, 'interpolation_percentage: 0.0, 'total_execution_time: 0.38711}
distance_summary	dict	A dictionary summarizing distance metrics. The dictionary has the following keys and values:  cumulative_distance_of_raw_trace <float>: Denotes total distance covered in raw trace,  ignoring pings with Nonetype input_latitude and input_longitude. Unit is meters.  cumulative_distance_of_clean_trace <float>: Denotes total distance covered in cleaned trace,  ignoring pings with Nonetype cleaned_latitude and cleaned_longitude. Unit is meters.  percent_redunction_in_dist <float>: The percentage of reduction in distance in  cumulative_distance_of_clean_trace w.r.t. cumulative_distance_of_raw_trace.  If cumulative_distance_of_clean_trace is &gt; cumulative_distance_of_raw_trace then  percent_redunction_in_dist will be 0.  Note: Total distance of trace is calculated by taking summation of haversine distance between  cosecutive pings.</float></float></float>	{cumulative_distance_of_raw_trace': 36788.37, 'cumulative_distance_of_clean_trace': 36788.37, 'percent_redunction_in_dist': 0.0}

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Key	Туре	Details	Example Format
stop_summary	dict	A dictionary summarizing stop event metrics. The dictionary has the following keys and values:  stop_events_info <li>st&gt;: A list of dictionaries, where each dictionary describes an stop event and has the following keys and values:  stop_event_sequence_number <int>: Integer sequence number of the stop event. Each stop event is given a unique integer value.  start_time <str>: start_time <str>: start_time <str>: minestamp when stop event started. Provided in format &lt;'YYYY-MM-DD HH: MM:SS&gt;.  end_time <str>: end_time <str>: Timestamp when stop event ended. Provided in format &lt;'YYYY-MM-DD HH: MM:SS&gt;.  total_stop_event_time <str>: Denotes total time of the the stop event, in {value} hours, {value} minutes and {value} seconds number_of_pings in the stop event.  representative_latitude <float>: Representative latitude of the stop event.  representative_longitude <float>: Representative longitude of the stop event.  global_stop_events_info <dict>: A dictionary describing global stop information and has the following keys and values.  total_trace_time <str>: total_trace_time <str>: Denotes total time taken in raw trace, in {value} hours, {value} minutes and {value}, seconds total_stop_events_time <str>: Denotes total time spent in stopping, in the entire trace, in {value} hours, {value} minutes and {value} seconds stop_events_time <str>: Percentage of total_stop_events_time <str>: Percentage of total_stop_events_time w.r.t. total_trace_time.</str></str></str></str></str></dict></float></float></str></str></str></str></str></str></int></li>	{     "stop_events_info": [