1. Installation instructions

1. Download Package.zip from Egnyte

   https://thoughtspot.egnyte.com/fl/DMKBUGKWve

2. Unzip the Package in a folder designated for custom scripts (<script location>)

   unzip Package.zip

3. Inspect the script location for the following listing

   TS Table Analysis.yaml
   sharding_diagnostics.sh
   sharding_diagnostics_autoload.sh
   sharding_diagnostics_load.sh
   table_analysis_DDL.sql

4. Create database TS_Performance_Analysis and the table TS_Table_Analysis in Falcon:

   Cat table_analysis_DDL.sql | tql
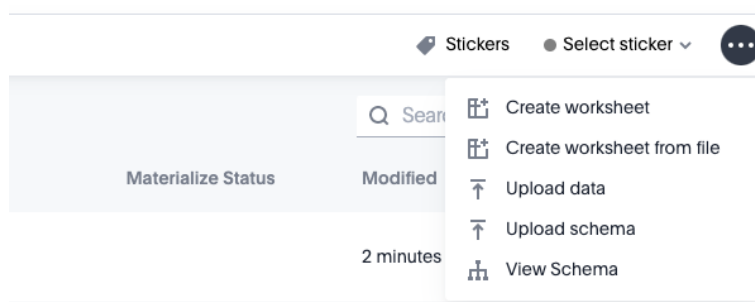
5. Execute load

   ./ sharding_diagnostics_autoload.sh

6. Enter Cronjob to execute autoload.sh nightly at 3am Sunday through Saturday

   *0   3 * * 0-6 /<script location>/ sharding_diagnostics_autoload.sh*

7. *Import TS Table Analysis Worksheet*

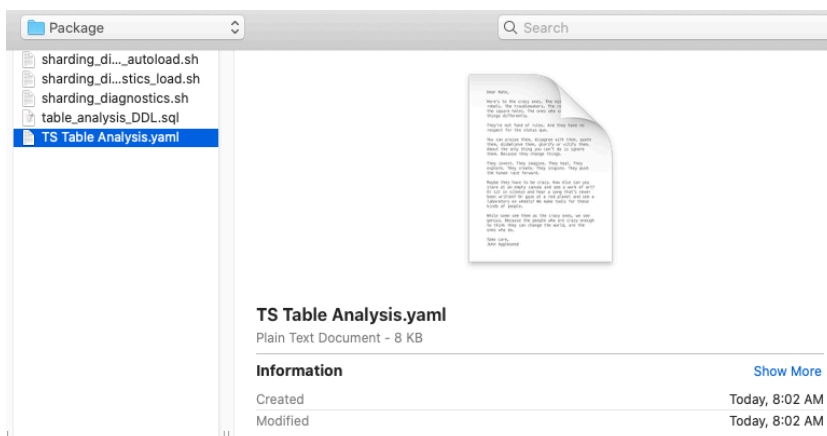   *Select Create worksheet from file*

Click Browse your files

Create worksheet from file

Browse your files

Upload

Navigate to the Package locationand select the YAML file

Package

Q Search

sharding_di..._autoload.sh
sharding_di...stics_load.sh
sharding_diagnostics.sh
table_analysis_DDL.sql
TS Table Analysis.yaml

TS Table Analysis.yaml
Plain Text Document - 8 KB

Information   Show More

Created   Today, 8:02 AM
Modified   Today, 8:02 AM

Click Import and receive the success message

Create worksheet from file

Upload Successful

Go to worksheet

Create an Answer TS Table Shard Analysis

open an answer and copy the following

table name
ideal total shards
recommended total shards
current total shards
current row count skew
current total row count
current rows per shard
recommended rows per shard
table name not contains 'denorm'
re-sharding required
re-sharding required (gating measure)
sort by current total row count descending
is environment undersized
is environment undersized (gating measure)
ideal rows per shard

Pin the report TS Table shard Analysis to the pinboard TS Table Shard Recommendations

Pin the summary of re-sharding required (gating measure) the pinboard TS Table Shard Recommendations and rename it to Tables Requiring Sharding

Tables Requiring Sharding

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Pin the summary of is environment undersized (gating measure) to the pinboard TS Table Shard Recommendations and rename it to Tables in Undersized Cluster

Tables in ...   Explore   🔊   •••

0

The pinboard TS Table Shard Recommendations should look like

TS Table Shard Recommendations ▾

Ⓐ Administrator   💡   🔊 Follow   ⬆   •••

8 pinboard insights ▾

Tables Requiring Sharding	Tables in Undersized Cluster
21	**0**

TS Table Shard Analysis   Explore   •••

Table Name	Re-Sharding Required	Re-Sharding Required (Gating Measure)	Is Environment Undersized	Is Environment Undersized (Gating Measure)	Current Total Shards	Current Rows per Shard	Current Total Row Count	Current Row Count Skew	Recommended Total Shards	Recommended Rows pe...	Ideal Total Shards	Ideal Rows per Shard
fact_prod_offer_rev_usg	yes	1	no	0	66	76,636,658.27	5,058,019,446	49,274	506	9,996,086	506	9,996,086
fact_adjusted_revenue	no	0	no	0	384	11,011,045.17	4,228,241,347	22,947	384	11,011,045	384	11,011,045
fact_ssf	yes	1	no	0	104	37,788,789.25	3,930,034,082	26,829	393	10,000,087	393	10,000,087
fact_ibro	no	0	no	0	86	9,644,988.12	829,468,978	15,967	86	9,644,988	86	9,644,988
fact_prod_offer_activity	yes	1	no	0	35	19,392,596.71	678,740,885	18,002	68	9,981,484	68	9,981,484
fact_occ_trans	yes	1	no	0	12	38,849,882.08	466,198,585	26,217	47	9,919,119	47	9,919,119
fact_common_customer	yes	1	no	0	120	3,443,803.23	413,256,388	8,420	41	10,079,424	41	10,079,424
fact_dla_daa	no	0	no	0	40	7,763,734.35	310,549,374	14,227	40	7,763,734	40	7,763,734
fact_channel_profitability	no	0	no	0	24	11,253,658.29	270,087,799	11,589	24	11,253,658	24	11,253,658
fact_prepaid_summary	no	0	no	0	24	9,405,342.54	225,728,221	11,637	24	9,405,343	24	9,405,343
fact_esf	no	0	no	0	24	6,884,301.08	165,223,226	11,657	24	6,884,301	24	6,884,301
fact_ispu_sdd	no	0	no	0	24	5,031,033.96	120,744,815	12,987	24	5,031,034	24	5,031,034
fact_tmp_tap_activity	no	0	no	0	8	13,715,406.00	109,723,248	10,902	8	13,715,406	8	13,715,406
fact_fios_footprint_hh_walk	no	0	no	0	12	8,144,952.75	97,739,433	16,474	12	8,144,953	12	8,144,953

532 rows total

Schedule TS Table Shard Recommendation Alert to run nightly at 4am Sunday through Saturday

with the following condition