

Airport Review Queries

These are example N1QL queries that may can performed to retrieve airport review related data.

Airport Reviews By Airport ID

The following queries will return review related information for a given `airport_id`

Index

[idxairportsreviewsairportcode.n1ql](#)

```
1 CREATE INDEX idx_airports_reviews_airport_code ON `flight-data` ( airport_code, rating, d
2 WHERE doc_type = 'airport-review'
3 USING GSI
```

Query

Get all of the reviews for an airport and sort by most recent

[airportreviewsrecent.n1ql](#)

```
1 SELECT reviews.review_id, reviews.review_title, reviews.rating,
2     MILLIS_TO_STR( reviews.review_date, 'yyyy-mm-dd' ) AS review_date,
3     users.user_id,
4     users.details.first_name || IFNULL( ' ' || SUBSTR( users.details.last_name, 0, 1 ) |
5 FROM `flight-data` AS reviews
6 INNER JOIN `flight-data` AS users
7     ON KEYS 'user_' || TOSTRING( reviews.user_id )
8 WHERE reviews.airport_code = 'ICT'
9     AND reviews.rating IS NOT NULL
10    AND reviews.doc_type = 'airport-review'
11 ORDER BY reviews.review_date DESC
```

Result

```

1  [
2    {
3      "rating": 4,
4      "review_date": "2016-05-21T11:58:24.792Z",
5      "review_id": "4678c58d-b12d-4e93-9e13-39809ae74c0c",
6      "review_title": "Eos voluptates corporis veniam enim molestiae harum vero laborum.",
7      "reviewer_name": "Derick",
8      "user_id": 3
9    },
10   {
11     "rating": 4,
12     "review_date": "2016-05-20T23:27:45.88Z",
13     "review_id": "977ad097-9372-4287-b80a-540e57302c45",
14     "review_title": "Quo animi et voluptas necessitatibus porro voluptatum amet placeat",
15     "reviewer_name": "Myrna",
16     "user_id": 5675
17   },
18   {
19     "rating": 2,
20     "review_date": "2016-04-03T20:16:07.958Z",
21     "review_id": "c73dac2d-466a-481c-ad4d-22ef113a4976",
22     "review_title": "Et quos earum amet.",
23     "reviewer_name": "Leonor S.",
24     "user_id": 5693
25   }
26 ]

```

Query

This query will return the total # of reviews, the average review rating and the best and worst rating.

[airportreviewsaggregates.n1ql](#)

```

1  SELECT COUNT( 1 ) AS total_reviews,
2         ROUND( AVG( reviews.rating ), 2 ) AS avg_rating,
3         MIN( reviews.rating ) AS worst_rating,
4         MAX( reviews.rating ) AS best_rating
5  FROM `flight-data` AS reviews
6  WHERE reviews.airport_code = 'JFK'
7         AND reviews.rating IS NOT NULL
8         AND reviews.doc_type = 'airport-review'
9  GROUP BY reviews.airport_id

```

Result

Both queries output the same exact results.

```
1  [
2    {
3      "avg_rating": 3.4,
4      "best_rating": 5,
5      "total_reviews": 10,
6      "worst_rating": 1
7    }
8  ]
```

User Airport Reviews by User ID

The following indexes and queries show to retrieve which reviews for an airport a user has submitted based on their `user_id`.

Index

[idxairportsreviewsuserid.n1ql](#)

```
1  CREATE INDEX idx_airports_reviews_user_id ON `flight-data` ( user_id, airport_code, doc_t
2  WHERE doc_type = 'airport-review'
3  USING GSI
```

Query

[airportreviewsbyuserid.n1ql](#)

```
1  SELECT reviews.review_id, reviews.review_title, reviews.rating,
2     MILLIS_TO_STR( reviews.review_date ) AS review_date,
3     IFNULL( airports.airport_iata, airports.airport_icao, airports.airport_ident ) AS ai
4     airports.airport_name
5  FROM `flight-data` AS reviews
6  INNER JOIN `flight-data` AS codes
7     ON KEYS 'airport_code_' || reviews.airport_code
8  INNER JOIN `flight-data` AS airports
9     ON KEYS 'airport_' || TOSTRING( codes.id )
10 WHERE reviews.user_id = 2097
11     AND reviews.doc_type = 'airport-review'
12 ORDER BY reviews.review_date DESC
```

Results

```
1  [
2    {
3      "airport_code": "GFY",
4      "airport_name": "Grootfontein",
5      "rating": 5,
6      "review_date": "2016-05-21T16:04:42.8Z",
7      "review_id": "c2fb0aa5-d6fa-4559-b24d-1614d0fd7aa2",
8      "review_title": "Nam eveniet autem consequatur."
9    },
10   {
11     "airport_code": "DIL",
12     "airport_name": "Presidente Nicolau Lobato Intl",
13     "rating": 2,
14     "review_date": "2016-05-21T11:55:40.096Z",
15     "review_id": "7e88b938-5c3b-4147-8a48-8166f43496d5",
16     "review_title": "A quod molestiae."
17   },
18   {
19     "airport_code": "BAQ",
20     "airport_name": "Ernesto Cortissoz",
21     "rating": 2,
22     "review_date": "2016-05-21T07:23:24.711Z",
23     "review_id": "64e9de0f-3166-4abd-ab54-8a40a44d6ff1",
24     "review_title": "Ut consectetur voluptatibus non odit ratione."
25   },
26   {
27     "airport_code": "ILU",
28     "airport_name": "Kilaguni",
29     "rating": 5,
30     "review_date": "2016-05-21T00:50:57.329Z",
31     "review_id": "32e8d390-c4b5-4466-a71c-53bcc63e6731",
32     "review_title": "Eum quam blanditiis voluptas debitis sit magni porro voluptatum."
33   },
34   {
35     "airport_code": "KCM",
36     "airport_name": "Kahramanmaras Airport",
37     "rating": 2,
38     "review_date": "2016-05-20T22:30:57.84Z",
39     "review_id": "304ecaa4-1314-46e7-8606-c03f0a9013b3",
40     "review_title": "Nemo at et est quod iste distinctio esse."
41   }
42 ]
```