Managing Documents in Azure Search

Chad Campbell
INDEPENDENT SOFTWARE ENGINEER

@chadcampbell   www.ecofic.com

Overview

Upload Documents

Remove Documents

Merge Documents

Reading Documents

Uploading Documents

Summary

Create Search Indexes

Update Search Indexes

Read Search Indexes

Remove Search Indexes

Removing a Document from a Search Index

Merging Documents

Beer Information

SQL

SQL Server

Search Experience

Ahool Ale 👍👍

A tasty ale with a biscuity taste behind it. Sure to enjoy.

Agogwe Ale 👍👍👍

A summer time ale. With wheat and floral flavors. Its sure to brighten your day.

Aswang Ale 👍

A hoppier ale with a distinct bread flavor. Make sure to give a try.

@search.action options

~~upload~~

~~delete~~

merge

mergeOrUpload

merge action

Updates an existing document

Send just the data that changed

Faster updates

upload vs merge

Upload Action

```
"value": [
  {
    "@search.action": "upload",
    "id":"2",
    "name":"Another …",
    "slogan":"Good times …",
    "description":"This …",
    "breweryType":"nano",
    "location": { … },
    "averageRating":3.5
  }
]
```

Merge Action

```
"value": [
  {
    "@search.action": "merge",
    "id":"2",
    "averageRating":3.5
  }
]
```

merge action

Delete data from a document

Deleting Document Data

```
{
  "value": [
    {
      "@search.action": "merge",
      "id":"2",
      "abv":null
    }
  ]
}
```

delete action

for deleting entire documents

not for deleting property-level data

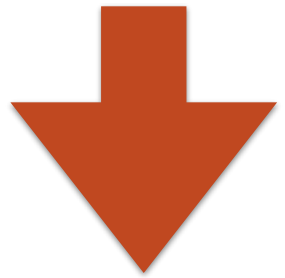# mergeOrUpload action

if document exists

if document does not exist

merge

upload

Performance

is a priority
upload then `merge` later

not a priority
`mergeOrUpload`

Reading a Document from a Search Index

Selecting Document Fields with `select`

Only return the data that you need to

select parameter

specifies which fields to retrieve

defaults to "*"

unretrievable field error

```
{
  "error": {
    "code": "",
    "message": "Invalid expression: 'breweryName' is not a
retrievable field. Only fields marked as retrievable in
the index can be used in $select.\r\nParameter name:
$select"
  }
}
```

Summary

uploading documents

merging documents

deleting documents

reading documents