A photograph of a small, grey and white tabby kitten sitting on a wooden chair with a cane backrest. The kitten is looking down and to the left. The background is a soft, out-of-focus indoor setting.

Bryan Soltis
Kentico Technical
Evangelist
Microsoft Azure
MVP

It's 2018.
Why aren't you
using
Azure Search?

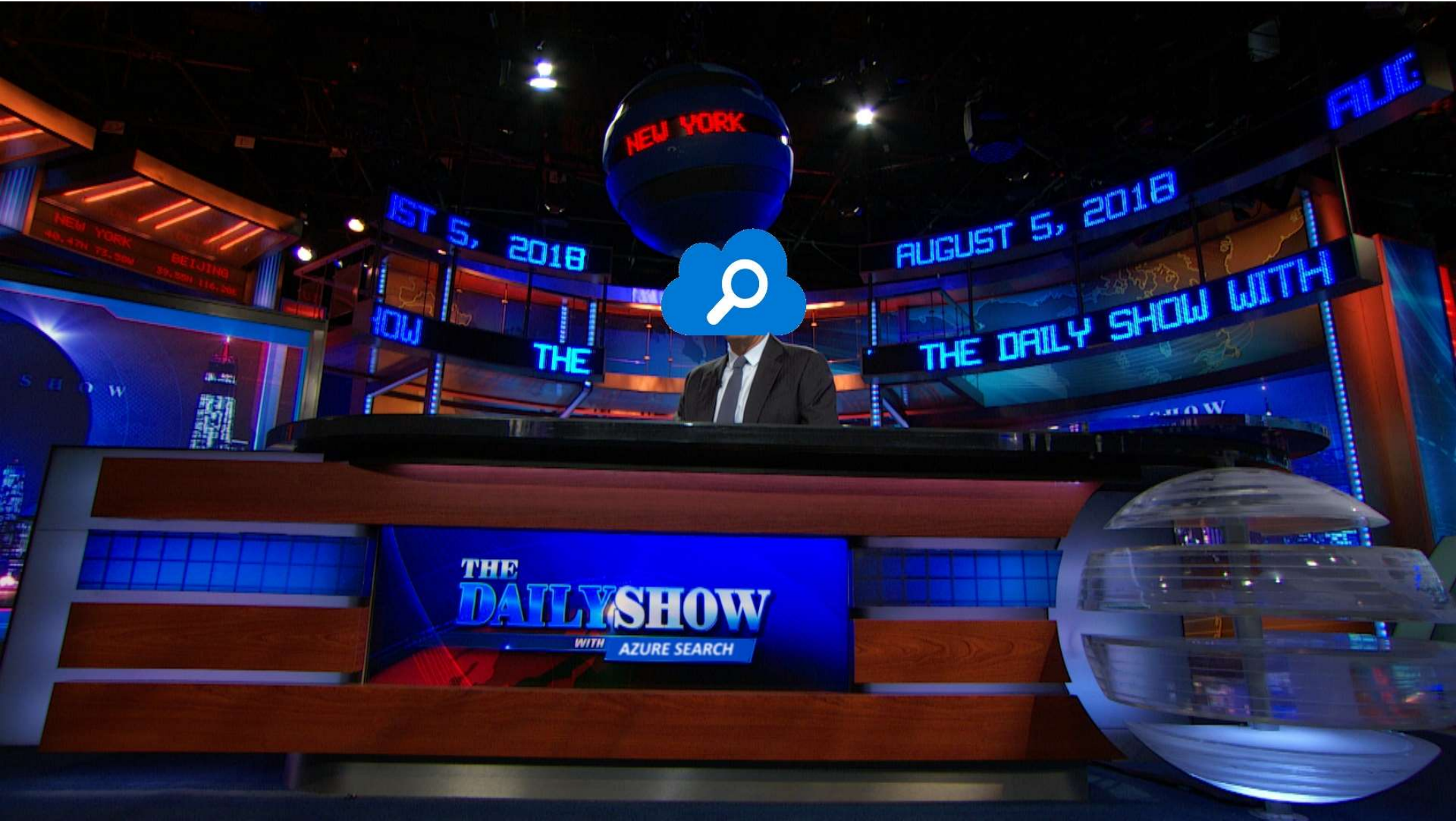




Does your current search not fit your needs?



Are users not able to find what they want?



NEW YORK

AUGUST 5, 2018

AUGUST 5, 2018

FILE

THE

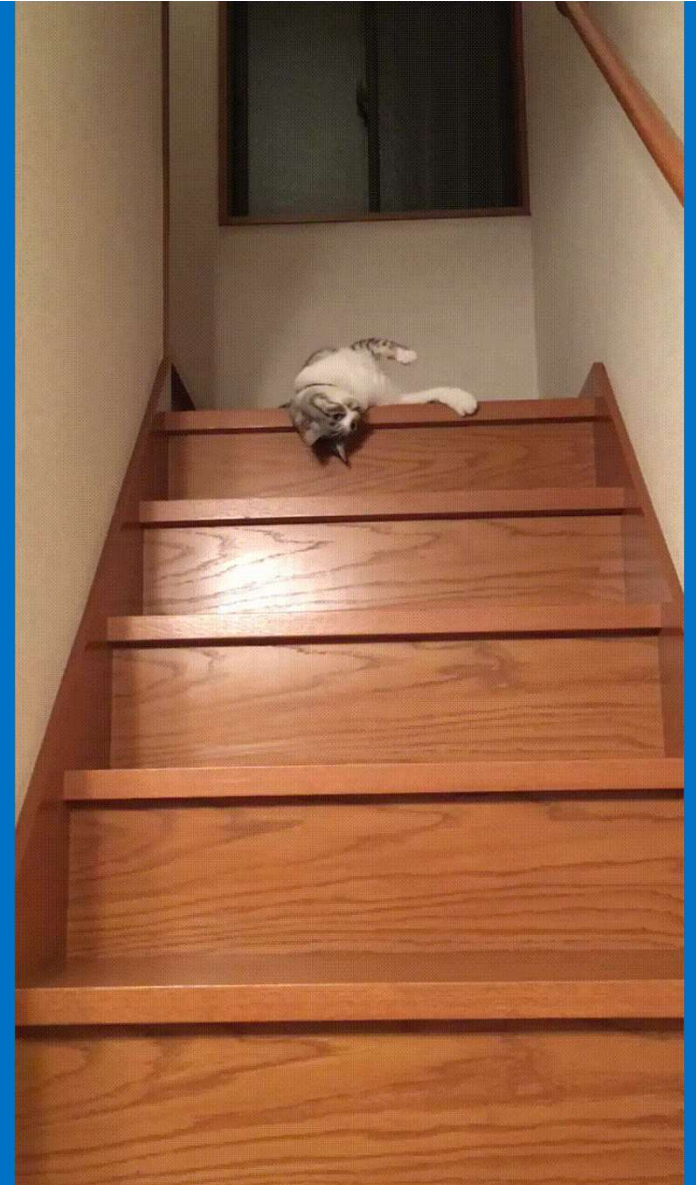
THE DAILY SHOW WITH

THE DAILY SHOW WITH AZURE SEARCH



Why hosted search?

- Search can be complex
- Requires constant rebuilding / tuning
- Needs to be industry / site / context specific
- Difficult to predict load
- If it doesn't work, you'll know really fast
- lot's a lot harder than it should be



Creating Indexes

- Data hosted in Azure
- Push / Pull Model
 - Push – SDK / REST APIs
 - Pull = Indexers (SQL Database / VM SQL / Document DB)
- Can have up to 1000 fields in each index
- Field Properties
 - Key
 - Searchable
 - Sortable
 - Filterable
 - Retrievable
 - Suggestions
 - Analyzer



Searching data

- Single index only
- Full-text queries
 - Prefix matching
- Syntax
 - OData syntax for Boolean
 - Simple query syntax for full-text
- Search=* (all fields) / Specific columns
- Scoring
 - Scoring Profiles
 - Field weighting
 - Custom functions
- Azure Search SDK / REST API



Past the TOC

- Facets
 - Schema-driven
 - Define columns to categorize
 - Facet=Rating,value:1|2|3|4
- Filters
 - Used with facets
 - Operators
- Scoring Profiles
 - Weighting
 - Distance
- Highlighting
- Synonym mapping



Analyzing Your Data

- Power BI Content Pack
 - Free!
 - Contains major data points
- Search Reports
 - Most Common Search Queries
 - Searches Over Time
 - Number of Searches
- Indexing Reports
 - Indexing Requests
 - Documents Indexed
 - 503s Report
- Service Reports
 - Results Over Time



Real-world examples



Pricing

	FREE	BASIC	STANDARD S1	STANDARD S2	STANDARD S3
Storage	50 MB	2 GB per service	25 GB/partition (max 300 GB documents per service)	100 GB/partition (max 1.2 TB documents per service)	200 GB/partition (max 2.4 TB documents per service)
Max indexes per service	3	5	50	200	200 or 1000/partition in high density ² mode
Scale out limits	N/A	Up to 3 units per service (max 1 partition; max 3 replicas)	Up to 36 units per service (max 12 partitions; max 12 replicas)	Up to 36 units per service (max 12 partitions; max 12 replicas)	Up to 36 units per service (max 12 partitions; max 12 replicas) up to 12 replicas in high density ² mode
Data transfer	Standard rates apply	Standard rates apply	Standard rates apply	Standard rates apply	Standard rates apply
Price per unit	Free	\$0.101/hour	\$0.336/hour	\$1.344/hour	\$2.688/hour

Learn more

- Azure Search
<https://azure.microsoft.com/en-us/services/search/>
- Azure Search Documentation
<https://docs.microsoft.com/en-us/azure/search/>
- Integrating Azure Search with Kentico
<https://devnet.kentico.com/articles/integrating-azure-search-with-kentico>
- Azure Search Roadmap
<https://azure.microsoft.com/en-us/roadmap/?query=azure+search/>



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