

# Azure Cognitive Search Publisher - Introduction

The Azure Search publisher will post documents to an Azure Search index through:

```
https://<server>/indexes/<index>/docs/index?api-version=<apiVersion>
```

As described by Azure Search in the [Bulk API](#).

## Features

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Features of the Publish to Azure Search publisher include:

- Customizable Azure Search feed by editing the Groovy script.
- Connector-independent.
- Runs from any machine with access to the Azure Search Cloud Service.

## Limitations

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The publisher is subject to the following Azure Search Service limitations.

- Index schema - Certain properties of your index schema can be set only once.
  - They cannot be updated in the future. Therefore, any schema updates that require re-indexing (such as changing field types) are not currently possible after the initial configuration.  
**Important:** *Make sure your index has all the required fields with the correct configuration before saving it.*
- Document keys - can only include, digits, underscores (\_), dashes (-), or equal (=) signs.
- Document field names - must start with a letter and contain only letters, digits, or underscores.
- Batch size - the maximum is **16 MB**. You can pass a batch of multiple documents to the Index API all at once, so the size limit per document depends on how many documents are in the batch.
  - If the batch size exceeds **16 MB**, the publisher will attempt to split the batch to make multiple requests without exceeding the size limit.
  - If a single document size is **16+ MB**, it will not be published successfully to the Azure Index. It is possible to truncate the content of such documents using the Groovy Transformation file.
- Maximums
  - **1000** documents per batch of index uploads, merges or deletes.
  - **32** fields in the \$orderby clause in the schema.
  - **32,766** bytes (32 KB minus 2 bytes) of UTF-8 encoded text for the field size for the *Filterable*, *Sortable*, *Facetable*, and *Searchable* fields.

More information is available at [Service Limits in Azure Search](#) and [Create an Azure Search Index Using the Azure Portal](#).

## Prerequisites

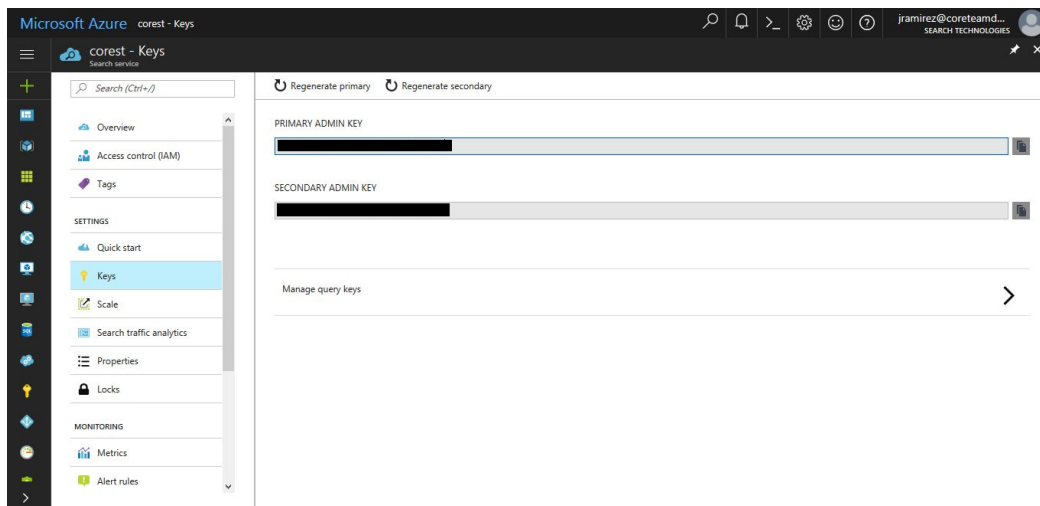
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### API Key

To access Publish to Azure Search, an API Key from the Azure Search Service must be provided.

To obtain the API Key:

- a. Select the **Keys** option from the **Azure Service** instance menu on the **Microsoft Azure** portal.



## Environment

Before using the Azure Search publisher, the index needs to exist with the required schema (containing all fields).

## Windows or Linux

The Azure Search Publisher runs on either Windows or Linux.