Azure AI Search tools for the Azure MCP Server

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The Azure MCP Server allows you to manage Azure AI Search resources, including search services, indexes, and queries with natural language prompts without having to remember specific command syntax.

Azure AI Search (formerly known as Azure Cognitive Search) is a cloud search service that gives developers APIs and tools for building rich search experiences over private, heterogeneous content in web, mobile, and enterprise applications.

> ⓘ **Note**
>
> The Azure MCP Server tools define parameters for data they need to complete tasks. Some of these parameters are specific to each tool and are documented below. Other parameters are global and shared by all tools. For more information, see **Tool parameters**.

List accounts

The Azure MCP Server can list all AI Search accounts in a subscription. This provides a quick overview of your search services.

Example prompts include:

- **List accounts**: "List all my AI Search services in my subscription."
- **Show accounts**: "What AI Search accounts do I have?"
- **Find accounts**: "I need to see my Azure AI Search resources"
- **Query accounts**: "Show me all my search services"
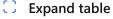- **Check accounts**: "AI Search services in subscription abc123"

⌗ Expand table

Parameter	Required or optional	Description
Subscription	Required	The Azure subscription ID or name.

List indexes

The Azure MCP Server can list all indexes in an AI Search service. This helps you view the search indexes available in a specific service.

Example prompts include:

- **List indexes**: "Show me all indexes in my 'mysearchservice' AI Search account."
- **View indexes**: "What indexes do I have in search service 'cognitive-search-prod'?"
- **Find indexes**: "List indexes in my search service 'data-search'"
- **Query indexes**: "Show all indexes in my AI Search account"
- **Check indexes**: "What indexes are available in my 'analytics-search' service?"

⛶ Expand table

Parameter	Required or optional	Description
Subscription	Required	The Azure subscription ID or name.
Service name	Required	The name of the AI Search service.

Get index details

The Azure MCP Server can retrieve detailed information about a specific index in an AI Search service. This includes the index schema, fields, analyzers, scorers, and other index properties.

Example prompts include:

- **Get index details**: "Show me details of the 'products' index in my 'mysearchservice' service."
- **View index schema**: "What fields are in the 'users' index?"
- **Index structure**: "Describe the schema for 'documents' index in my search service"
- **Check index configuration**: "Show me the configuration of my 'content' index"
- **Index definition**: "What's the definition of my 'catalog' search index?"

⛶ Expand table

Parameter	Required or optional	Description
Subscription	Required	The Azure subscription ID or name.
Service name	Required	The name of the AI Search service.
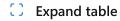
Parameter	Required or optional	Description
Index name	Required	The name of the index to describe.

Query index

The Azure MCP Server can execute search queries against an AI Search index. This powerful feature allows you to find specific content using search terms.

Example prompts include:

- **Simple query**: "Search for 'machine learning' in the 'documents' index"
- **Filter query**: "Find all products with category 'electronics' in my product index"
- **Text search**: "Search my 'content' index for anything mentioning 'climate change'"
- **Query search**: "Look up 'azure functions' in my documentation index"
- **Search request**: "Search for 'security best practices' in my knowledge base index"

⛶ Expand table

Parameter	Required or optional	Description
Subscription	Required	The Azure subscription ID or name.
Service name	Required	The name of the AI Search service.
Index name	Required	The name of the index to query.
Query	Required	The search query to execute against the index.

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ⓘ **Note:** The author created this article with assistance from AI. Learn more