

# 3rd Party Access/MDX: Supported Schemas and Defined Syntax Elements

## Supported Schemas

Below are all the supported schemas with all elements that are implemented:

Schema	Elements
Catalog	<ul style="list-style-type: none"><li>• Catalogname</li><li>• Description</li></ul>
Cube	<ul style="list-style-type: none"><li>• Catalogname</li><li>• Cubename</li><li>• Cubetype</li></ul>
Dimension	<ul style="list-style-type: none"><li>• Catalogname</li><li>• Cubename</li><li>• Dimensionname</li><li>• Dimensionuniqueename</li><li>• Dimensioncaption</li><li>• Dimensionordinal</li><li>• Dimensiontype</li><li>• Dimensioncardinality</li><li>• Defaulthierarchy</li><li>• Description</li></ul>

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Hierarchy

- Catalogname
- Cubename
- Dimensionuniquename
- Hierarchyname
- Hierarchyuniquename
- Hierarchycaption
- Dimensiontype
- Hierarchycardinality
- Defaultmember
- Allmember
- Description
- Hierarchystructure

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Level

- Catalogname
- Cubename
- Dimensionuniquename
- Hierarchyuniquename
- Levelname
- Leveluniquename
- Levelcaption
- Levelnumber
- Levelcardinality
- Leveltype
- Description

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Measures

- Catalogname
- Cubename
- Measurename
- Measureuniqueid
- Measurecaption
- Measureaggregator
- Datatype
- Numericprecision
- Numericsscale
- Description

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Properties

- Propertytype
- Catalogname
- Cubename
- Dimensionuniqueid
- Hierarchyuniqueid
- Leveluniqueid
- Propertyname
- Propertycaption
- Datatype
- Description

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Members	<ul style="list-style-type: none"><li>• Levelnumber</li><li>• Memberordinal</li><li>• Membername</li><li>• Memberuniquename</li><li>• Membertype</li><li>• Membercaption</li><li>• Childrencardinality</li><li>• Parentlevel</li><li>• Parentuniquename</li><li>• Parentcount</li><li>• Depth</li><li>• Description</li></ul>
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Sets	<ul style="list-style-type: none"><li>• only schema data</li></ul>
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Functions	<ul style="list-style-type: none"><li>• Function name</li><li>• Description</li><li>• Parameterlist</li><li>• Returntype</li><li>• Origin</li><li>• Interfacename</li><li>• Object</li><li>• Caption</li></ul>
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Property	<ul style="list-style-type: none"><li>• Propertyname</li><li>• Propertydescription</li><li>• Propertytype</li><li>• Propertyaccesstype</li><li>• Isrequired</li><li>• Value</li></ul>
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## Defined Syntax Elements

### Identifiers

Identifiers are the names used for cubes, dimension, members, levels, or measures. There are two types of identifiers: regular and delimited.

### Regular Identifiers

A regular identifier can be used with or without delimiters. It can not contain embedded spaces or special characters (such as ex: &,.....) .

### Delimited Identifiers

These are regular identifiers that must always be delimited by using brackets ([ ]). they can contain embedded spaces. **Way of definition:**

[crayon-5d5faae4bf595483716804/]

### Member

A member is a representation of one or more occurrences of data. It represents an item from a dimension. **Way of definition:**

[crayon-5d5faae4bf59c455927564/]

[crayon-5d5faae4bf59e386896878/]

### Tuple

A tuple defines a slice of data from a cube. It can contain one or more

members. **Way of definition:**

[crayon-5d5faae4bf5a0683325275/]

Set

A set is a collection of zero or more tuples + identifier. **Way of definition:**

[crayon-5d5faae4bf5a2481217644/]

[crayon-5d5faae4bf5a4267928406/]

Level

Each dimension is broken down into different levels.

[crayon-5d5faae4bf5a5840021888/]

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