CUBESET

The function defines a calculated set of members or tuples by sending a set expression to the cube on the server, which creates the set, and then returns that set to Microsoft Excel.

Before You Begin

Ensure you know the syntax and specifics of the CUBESET. For details, see CUBESET function.

Syntax

```
CUBESET(connection, set_expression, [caption], [sort_order], [sort_by])
```

Consider that for `set_expression` in-line MDX functions besides the range operator ":" are not supported. It can also be a cell reference to an Excel range that contains one or more members, tuples, or sets included in the set.

The following examples show how you can use the CUBESET function.

CUBESET(Connection, Set_expression(CUBEMEMBERs), Caption)

Here, the CUBEMEMBERs are from the same dimension.

MDX query name:

```
C3= CUBEMEMBER- United States
C4=CUBEMEMBER- Accessories
C5= CUBEMEMBER- Germany
C6= CUBEMEMBER-France
```

Example:

```
C24=CUBESET("Connection Name",C4:C6, "My Countries")
C25=CUBESET("Connection Name",(C3,C5,C6),"My Countries")
```

CUBESET(Connection, Set_expression, Caption)

Here, `set_expression` uses attributes from the same dimension.

Example:

```
CUBESET("Connection Name", {"[Customer].[Customer Geography].[Customer Country].&[Germany]","[Customer].
[Customer Geography].[Customer Country].&[France]","[Customer].[Customer Geography].[Customer Country].&[United
States]"},"My Countries")
```

CUBESET(Connection, Set_expression, Caption)

Here, `set_expression` uses attributes from lower level of the hierarchy.

MDX query name:

```
[CA] - California
[US] - United States
[TX] - Texas

[4] = Accessories (Product Category)
[26] = Bike Racks
[27] = Bike Stands
```

Example:

```
C26=CUBESET("Connection Name", {"[Customer].[Customer Geography].[Customer Country].& [United States].& [CA] & [US]","[Customer].[Customer Geography].[Customer Country].& [United States].& [TX] & [US]"} ,"My US States")

C27= CUBESET("Connection Name", ,"{[Product].[Product Categories].[Category].&[4].&[26],[Product].[Product Categories].[Category].&[4].&[27]}","My Accessories")
```

CUBESET(Connection, Set_expression(), Caption)

Here, `set_expression` is defined by member range - 'Date Range'.

MDX query name:

```
C24-startdate= 5/1/2007
C25-enddate= 5/30/2007
```

Example:

```
C26=CUBESET("Connection Name","[DateCustom].[StandardMonth].["&C21&"]:[DateCustom].[StandardMonth].["&C22&"]","Date Range")
```

CUBESET(Connection,Set_expression(CUBEMEMBER),Caption)

MDX query name:

```
C10=CUBEMEMBER("Connection Name",  (C3,C4),"US-Accessories")
```

Example:

```
C28=CUBESET("Connection Name",(C10),"Tuple Set")
```

CUBESET(Connection, Set_expression(CUBEMEMBER1,CUBEMEMBER2,...), Caption)

The syntax shown in this example is not supported.

Here, CUBEMEMBER1, CUBEMEMBER2, and so on are different dimensions.

MDX query name:

```
C3= CUBEMEMBER- United States
C4= CUBEMEMBER- Accessories
```

Example:

```
C29=CUBESET("Connection Name",C3:C4,"Tuple Set")
```

CUBESET(Connection, Set_expression(), Caption)

The syntax shown in this example is not supported.

Here, `set_expression` uses dimension attribute with Children function

MDX query name:

```
[4]  -(Accessories Product Category)
```

Example:

```
C30=CUBESET("Connection Name","[Product].[Product Categories].&[4].Children","Products")
```

CUBESET(Connection,EXCEPT(),Caption)

The syntax shown in this example is not supported.

Here, EXCEPT uses multidimensional tuple.

MDX query name:

```
C3= CUBEMEMBER- United States
C5= CUBEMEMBER- Germany
```

Example:

```
C31=CUBESET("Connection Name",EXCEPT(C3,C5),"My Set")
```

More Information

Using CUBE functions