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## RELATEDTABLE Function (DAX)

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Evaluates a table expression in a context modified by the given filters.

### Syntax

```
RELATEDTABLE(<expression>,<filter1>,<filter2>,...)
```

### Parameters

Term	Definition
<b>expression</b>	The table expression to be evaluated
<b>filter1,filter2,...</b>	A Boolean expression or a table expression that defines a filter

The expression used as the first parameter must be a table or an expression that returns a table.

The following restrictions apply to Boolean expressions that are used as arguments:

- The expression cannot reference a measure.
- The expression cannot use a nested CALCULATE function.
- The expression cannot use any function that scans a table or returns a table, including aggregation functions.

However, a Boolean expression can use any function that looks up a single value, or that calculates a scalar value.

### Return Value

A table of values.

### Remarks

The RELATEDTABLE function changes the context in which the data is filtered, and evaluates the expression in the new context that you specify. For each column used in a filter argument, any existing filters on that column are removed, and the filter used in the filter argument is applied instead.

This function is a synonym for CALCULATETABLE function.

### Example

The following example uses the RELATEDTABLE function to get Internet Sales for 2002; this value is later used to calculate a ratio of sales compared to the sales in year 2002.

The following table shows the results of using the code shown here.

Row Labels	Internet SalesAmount_USD	RelatedTable 2002 Internet Sales	Internet Sales to 2002 ratio
2001	\$2,627,031.40	\$5,681,440.58	0.46
2002	\$5,681,440.58	\$5,681,440.58	1.00
2003	\$8,705,066.67	\$5,681,440.58	1.53
2004	\$9,041,288.80	\$5,681,440.58	1.59
Grand Total	\$26,054,827.45	\$5,681,440.58	4.59

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```
= SUMX( RELATEDTABLE('InternetSales_USD', 'DateTime'[CalendarYear]=2002)
, [SalesAmount_USD])
```

## See Also

### Reference

[CALCULATETABLE Function \(DAX\)](#)

### Other Resources

[Filter Functions \(DAX\)](#)

[Relationships Between Tables](#)

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