



SQL Server CONVERT() Function

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Example

Convert an expression to int:

```
SELECT CONVERT(int, 25.65);
```

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Definition and Usage

The CONVERT() function converts a value (of any type) into a specified datatype.

Tip: Also look at the [CAST\(\)](#) function.

Syntax

```
CONVERT(data_type(length), expression, style)
```

Parameter Values

Value	Description																																																							
<i>data_type</i>	Required. The datatype to convert <i>expression</i> to. Can be one of the following: bigint, int, smallint, tinyint, bit, decimal, numeric, money, smallmoney, float, real, datetime, smalldatetime, char, varchar, text, nchar, nvarchar, ntext, binary, varbinary, or image																																																							
<i>(length)</i>	Optional. The length of the resulting data type (for char, varchar, nchar, nvarchar, binary and varbinary)																																																							
<i>expression</i>	Required. The value to convert to another data type																																																							
<i>style</i>	<p>Optional. The format used to convert between data types, such as a date or string format. Can be one of the following values:</p> <p>Converting datetime to character:</p> <table><tr><th></th><th>Without century</th><th>With century</th><th>Input/Output</th><th>Standard</th></tr><tr><td>0</td><td></td><td>100</td><td>mon dd yyyy hh:miAM/PM</td><td>Default</td></tr><tr><td>1</td><td></td><td>101</td><td>mm/dd/yyyy</td><td>US</td></tr><tr><td>2</td><td></td><td>102</td><td>yyyy.mm.dd</td><td>ANSI</td></tr><tr><td>3</td><td></td><td>103</td><td>dd/mm/yyyy</td><td>British/French</td></tr><tr><td>4</td><td></td><td>104</td><td>dd.mm.yyyy</td><td>German</td></tr><tr><td>5</td><td></td><td>105</td><td>dd-mm-yyyy</td><td>Italian</td></tr><tr><td>6</td><td></td><td>106</td><td>dd mon yyyy</td><td>-</td></tr><tr><td>7</td><td></td><td>107</td><td>Mon dd, yyyy</td><td>-</td></tr><tr><td>8</td><td></td><td>108</td><td>hh:mm:ss</td><td>-</td></tr><tr><td>9</td><td></td><td>109</td><td>mon dd yyyy hh:mi:ss:mmmAM</td><td>Default + millisec</td></tr></table>		Without century	With century	Input/Output	Standard	0		100	mon dd yyyy hh:miAM/PM	Default	1		101	mm/dd/yyyy	US	2		102	yyyy.mm.dd	ANSI	3		103	dd/mm/yyyy	British/French	4		104	dd.mm.yyyy	German	5		105	dd-mm-yyyy	Italian	6		106	dd mon yyyy	-	7		107	Mon dd, yyyy	-	8		108	hh:mm:ss	-	9		109	mon dd yyyy hh:mi:ss:mmmAM	Default + millisec
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8		108	hh:mm:ss	-																																																				
9		109	mon dd yyyy hh:mi:ss:mmmAM	Default + millisec																																																				

(or PM)			
10	110	mm-dd-yyyy	USA
11	111	yyyy/mm/dd	Japan
12	112	yyyymmdd	ISO
13	113	dd mon yyyy hh:mi:ss:mmm	Europe (24 hour clock)>
14	114	hh:mi:ss:mmm	24 hour clock
20	120	yyyy-mm-dd hh:mi:ss	ODBC canonical (24 hour clock)
21	121	yyyy-mm-dd hh:mi:ss:mmm	ODBC canonical (24 hour clock)
	126	yyyy-mm- ddThh:mi:ss:mmm	ISO8601
	127	yyyy-mm- ddThh:mi:ss:mmmZ	ISO8601 (with time zone Z)
	130	dd mon yyyy hh:mi:ss:mmmAM	Hijiri
	131	dd/mm/yy hh:mi:ss:mmmAM	Hijiri

Converting float to real:

Value	Explanation
0	Maximum 6 digits (default)
1	8 digits
2	16 digits

Converting money to character:

Value	Explanation
0	No comma delimiters, 2 digits to the right of decimal
1	Comma delimiters, 2 digits to the right of decimal
2	No comma delimiters, 4 digits to the right of decimal

Technical Details

Works in: SQL Server (starting with 2008), Azure SQL Database, Azure SQL Data Warehouse, Parallel Data Warehouse

More Examples

Example

Convert an expression from one data type to another (varchar):

```
SELECT CONVERT(varchar, 25.65);
```

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Example

Convert an expression from one data type to another (datetime):

```
SELECT CONVERT(datetime, '2017-08-25');
```

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Example

Convert an expression from one data type to another (varchar):

```
SELECT CONVERT(varchar, '2017-08-25', 101);
```

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