

`objCmd.Parameters.Append objCmd.CreateParameter(name, data type, direction, size, value)`

Syntax:

`objCmd.Parameters.Append objCmd.CreateParameter(name, data type, direction, size, value)`

example:

*'create parameter "@last\_name" as a varchar input, length 35, value from 'lname' variable*

`objCmd.Parameters.Append objCmd.CreateParameter("@last_name", 200, 1, 35, lname)`

<code>name</code>	Optional. The name of the Parameter object.
<code>dataType</code>	Optional. One of the <b>DataTypeEnum</b> constants that specifies the data type for the Parameter object. Default is <code>adVarChar</code> . If you choose a variable-length data type, you will also need to specify the <code>size</code> parameter or the <code>size</code> property. If you specify <code>adText</code> data type, you must also set the <code>direction</code> and the <code>precision</code> properties of the Parameter object.
<code>direction</code>	Optional. One of the <code>adDirection</code> constants that defines the direction of the Parameter object. Default is <code>adParamInput</code> .
<code>size</code>	Optional. Specifies the length of a variable-length data type, if such a type was declared in the <code>type</code> parameter. Default is zero.
<code>value</code>	Optional. The value of the Parameter object

**DataTypeEnum**: Specifies the data type of a Field, Parameter, or Property object. \*Not all types are listed here; see <https://learn.microsoft.com/en-us/sql/ado/reference/ado-api/datatypeenum?view=sql-server-ver16> for complete set.

Value	Direction	Description
<code>adEmpty</code>	0	No value
<code>adSmallInt</code>	2	2-byte signed integer
<code>adInteger</code>	3	4-byte signed integer
<code>adSingle</code>	4	single-precision floating-point
<code>adDouble</code>	5	double-precision floating-point
<code>adCurrency</code>	6	Currency
<code>adDate</code>	7	The number of days since December 30, 1899 + the fraction of a day.

adUnsignedTinyInt	17	1-byte unsigned integer
adUnsignedSmallInt	18	2-byte unsigned integer
adUnsignedInt	19	4-byte unsigned integer
adBigInt	20	8-byte signed integer
adUnsignedBigInt	21	8-byte unsigned integer
adGUID	72	globally unique identifier (GUID)
adBinary	128	Binary value
adChar	129	String value fixed
adWChar	130	null-terminated Unicode character string
adDBDate	133	A date value (yyyymmdd).
adDBTime	134	A time value (hhmmss)
adVarNumeric	139	A numeric value (Parameter object only).
adVarChar	200	A variable length string value (Parameter object only).

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Constant Name	Value	Description
adParamUnknown	0	unknown
adParamInput	1	input
adParamOutput	2	output
adParamInputOutput	3	Input/output (Stored Proc)
adParamReturnValue	4	Return Value (Stored Proc)