

	Characteristics	Usage Benefits	Length in Bytes	Regularity
BigInt	An integer negative or positive to a maximum of 9,223,372,036,854,775,807	Best for identity column that will have a large number of rows	Always 8	Rarely
Int	An integer negative or positive to a maximum of 2,147,483,647	Apply to most identity column as primary key and for data entry	Always 4	Very Widely
SmallInt	An integer negative or positive to a maximum of 32,767	Apply to some identity column if the number of rows is limited	Always 2	Sometimes
TinyInt	Positive integer from 0 to 255	Mostly for data entry with very limited positive integer value	Always 1	Rarely
Date	Date and time with time suppressed	Apply to date entry where time is not important	Always 8	Often
DateTime	Date and time sensitive	Apply to InputOn and ModifiedOn and other date and time sensitive fields	Always 8	Often
Decimal	Specify the size of digits and decimals places	Required for number with decimal places	Variable with Scale	Often
Money	Negative or positive to 922,337,203,685,477.5807	Best used for money related data entry	Always 8	Often
Char	Specify number of English characters or digits	Best used for fields that has a known number of alphanumeric characters	Variable	Sometimes
NChar	Specify number of Unicode characters or digits	Best used for fields that has a known number of multilingual characters	Variable	Often
VarChar	Specify maximum number of English characters or digits	Best used for fields that has an unknown number of alphanumeric characters	Variable; 0 means no maximum	Often
NVarChar	Specify maximum number of Unicode characters or digits	Best used for fields that has an unknown number of multilingual characters	Variable; 0 means no maximum	Very Widely
Binary	Specify size	N/A	Variable	Rarely
VarBinary	Specify maximum usually	Apply to all images and passwords	Variable; 0 means no maximum	Often