

Fazit

Einige Datentypen von Datenbank sind teilweise noch aus der frühen Zeit der EDV, als mögliche Datengrenzen noch in weiter Ferne lagen und die Schonung der Ressourcen noch im Vordergrund stand. Aber auch zwischen den Datenbanksystemen besitzen gleichnamigen Datentypen unter Umständen andere Wertebereiche, hier kann man sich nicht blind auf den Namen des Datentyps verlassen. Die Wahl eines passenden SQL Datentyps ist das A und O, die bei der erstmaligen Datenbankdefinition beginnt und bei Upgrade auf eine neue Datenbankversion nicht aufhört.

Links & Quellen

Deprecated Database Engine Features in SQL Server

[1] <http://msdn.microsoft.com/en-us/library/ms143729.aspx>

ISO Time Format

[2] <http://www.greenwichmeantime.com/info/iso.htm>

Opengeospatial Organisation

[3] <http://www.opengeospatial.org/>

Autorenbox

Thomas Reinwart verfügt über umfangreiche Berufserfahrung auf dem IT Sektor. In den letzten 20 Jahren war er in den Bereichen Softwareentwicklung, Software-design, Architekt und als Consultant tätig. Fokus ist derzeit Microsoft .net und SQL Server, wo er alle aktuellen Microsoft-Zertifizierungen hat.



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From:	binary	varbinary	char	varchar	nchar	nvarchar	datetime	smalldatetime	date	time	datetimeoffset	datetime2	decimal	numeric	float	real	bigint	int(INT4)	smallint(INT2)	tinyint(INT1)	money	smallmoney	bit	timestamp	uniqueidentifier	image	ntext	text	sql_variant	xml	CLR UDT	hierarchyid
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smallint(INT2)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
tinyint(INT1)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
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- Explicit conversion
- Implicit conversion
- Conversion not allowed
- * Requires explicit CAST to prevent the loss of precision or scale that might occur in an implicit conversion.
- Implicit conversions between xml data types are supported only if the source or target is untyped xml. Otherwise, the conversion must be explicit.

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Kurs „Netzwerktechnik“
von Christian Zahler