<https://docs.microsoft.com/en-us/sql/relational-databases/tables/tutorial-using-the-hierarchyid-data-type>

# Tutorial: Using the hierarchyid Data Type

2017-3-14 1 min to read Contributors

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This tutorial is intended for users who are experienced with Transact-SQL, but are new to the **hierarchyid** data type.

## What You Will Learn

This tutorial is divided into two lessons:

[Lesson 1: Converting a Table to a Hierarchical Structure](https://docs.microsoft.com/en-us/sql/relational-databases/tables/lesson-1-converting-a-table-to-a-hierarchical-structure)  
In this lesson, you take an existing employee table that is structured as a parent/child hierarchy and move the data into a new table that represents the hierarchy by using the **hierarchyid** data type. This lesson requires the**AdventureWorks2012** sample database.

[Lesson 2: Creating and Managing Data in a Hierarchical Table](https://docs.microsoft.com/en-us/sql/relational-databases/tables/lesson-2-creating-and-managing-data-in-a-hierarchical-table)  
In this lesson, you create a table by using the **hierarchyid** data type to represent the hierarchy structure. Then, you manipulate the data in the table by using the hierarchical methods.

## Requirements

Your system must have the following installed:

* Any edition of SQL Server 2008 or later.
* Either SQL Server Management Studio or Management Studio Express.
* Internet Explorer 6 or a later version.