# FULLTEXT CATALOG

A full-text catalog is a logical container for a group of full-text indexes. You have to create a full-text catalog before you can create a full-text index. A full-text catalog is a virtual object that does not belong to any filegroup.

CREATE FULLTEXT CATALOG ftCatalog AS DEFAULT

## FULLTEXT INDEX

The information in full-text indexes is used by the Full-Text Engine to compile full-text queries that can quickly search a table for particular words or combinations of words. A full-text index stores information about significant words and their location within one or more columns of a database table. A full-text index is a special type of token-based functional index that is built and maintained by the Full-Text Engine for SQL Server. The process of building a full-text index differs from building other types of indexes. Instead of constructing a B-tree structure based on a value stored in a particular row, the Full-Text Engine builds an inverted, stacked, compressed index structure based on individual tokens from the text being indexed.

Only one full-text index is allowed per table. For a full-text index to be created on a table, the table must have a single, unique nonnull column. You can build a full-text index on columns of type **char**, **varchar**, **nchar**, **nvarchar**, **text**, **ntext**, **image**, **xml**, **varbinary**, and **varbinary(max)** can be indexed for full-text search. Creating a full-text index on a column whose data type is **varbinary**, **varbinary(max)**, **image**, or **xml** requires that you specify a type column. A *type column* is a table column in which you store the file extension (.doc, .pdf, .xls, and so forth) of the document in each row.

Creates a full-text index on a table or indexed view in a database in SQL Server. Only one full-text index is allowed per table or indexed view, and each full-text index applies to a single table or indexed view. A full-text index can contain up to 1024 columns.

CREATE FULLTEXT INDEX ON table\_name

[ ( { column\_name

[ TYPE COLUMN type\_column\_name ]

[ LANGUAGE language\_term ]

[ STATISTICAL\_SEMANTICS ]

} [ ,...n]

) ]

KEY INDEX index\_name

[ ON <catalog\_filegroup\_option> ]

[ WITH [ ( ] <with\_option> [ ,...n] [ ) ] ]

[;]

CREATE UNIQUE INDEX ui\_ukJobCand ON HumanResources.JobCandidate(JobCandidateID);

CREATE FULLTEXT CATALOG ft AS DEFAULT;

CREATE FULLTEXT INDEX ON <Table Name>(Col1,col2…)

KEY INDEX ui\_ukJobCand WITH STOPLIST = SYSTEM;