













Full-Text Search Catalogs Typically a single catalog will handle all the full-text searches for a database

Dedicating a single catalog to a very large table (one with over a million rows) will improve performance

MS Search Service Availability

- MS Search Service included with workstation-class and server-class operating systems
- Possible to install it from the SQL Server professional edition installation
- Can not be installed on any version of Window 9X or Windows XP Home

Creating a Catalog with the Wizard

- Select "Full-Text Indexing" from "Tools" menu of Enterprise Manager
- Specify a unique index to identify the rows indexed with MS Search
- Choose the columns to be full-text indexed





Create a Catalog With T-SQL Code Not covered in this discussion

Pushing Ongoing Change to a Full-Text Index Incremental populations – uses a timestamp to pass any rows that have changed since the last population Change Tracking and background population – update occurs in the background slightly behind the SQL DML transaction











ContainsTable Syntax

Select tablename.title, FTS.rank from tablename join **containstable** (tablename, *, 'Lion', 2) FTS on tablename.id = FTS.[KEY] Order by FTS.Rank Desc

Advanced Search Options

- Multiple Word Searches
- Searches with wildcards
- Phrase Searches
- Word-Proximity Searches
- Word-Inflection Searches
- Variable-Word-Weight Searches
- Fuzzy Searches

Multiple Word Searches Select title from tablename where contains(*, 'Tortoise and Hare')

Search through multiple columns

Words has to be in the same column





Word-Inflection Searches Select title from tablename where contains(*, 'FORMSOF (INFLECTIONAL, fly') • Will look for "flying", "flew" – verb form

Variable-Word-Weight Search • On a scale of 0.0 to 1.0 Select tablename.title, FTS.Rank from tablename join containstable(tablename, column, **Visabout**(Lion weight (.2), Eagle weight (.5)', 20) FTS on order by



Fuzzy Search Example

Select tablename.title, FTS.Rank from tablename join **FREETEXTTABLE** (tablename.*, 'The brave hunter kills the lion', 20) FTS on tablename.id = FTS.[KEY] Order by Rank,DESC