

Microsoft®
.net™

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ADO.NET 2.0 OOP Class Layout

IDb* interfaces (e.g. IDbConnection)

Db* abstract base classes (e.g. DbConnection)

Db*Base implementation classes

Sql

OleDb

ODBC

Oracle

**3rd
Party 1**

**3rd
Party 2**

Provider-
Indep. apps
code to this
layer

Provider-
specific
apps
code to
this layer

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What is LINQ?

- Language **I**Ntegrated **Q**uery
- Query as part of the language
- Querying over multiple data types
 - LINQ to ADO.NET
 - LINQ to DataSet
 - LINQ to Entites
 - LINQ to SQL (formerly DLinq)
 - LINQ to other types
 - LINQ to XML (formerly XLinq)
 - LINQ to objects

The LINQ Project

VB

C#

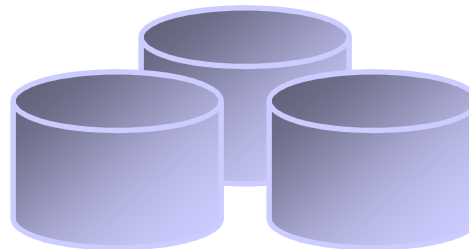
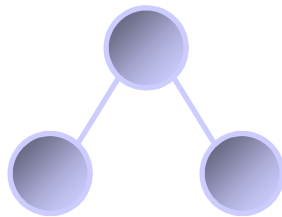
Others...

.NET Language Integrated Query

Standard
Query
Operators

LINQ to SQL

LINQ to XML



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<book>  
<title/>  
<author/>  
<year/>  
<price/>  
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```

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