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YOUR COURSE, YOUR WAY - MORE EFFECTIVE IT TRAINING

LINQ For .Net Developers

Duration: 2 days

Overview:

LINQ is the part of the .NET Framework that provides a generic approach to querying data from different data sources. It has quickly become the next must-have skill for .NET developers.

Aspect Training's LINQ for .NET Developers has the detail you need to grasp Microsoft's new querying technology, and concise explanations to help you learn it quickly.

Prerequisites:

Experience with developing applications using a .NET language

Topics:

1 - Language Extensions

Implicitly typed variables

Extension methods

Object initialization syntax

Anonymous types

Lambda expressions

2 - Introduction to LINQ

LINQ expressions

Using via extension methods

Filtering

Sorting

Aggregation

Skip and Take operators

Joins

3 - Deferred Execution

Benefits and drawbacks

IEnumerable vs IQueryable	
Using across tiers	
4 - Data Projection	
Single result value	
Existing types	
Anonymous types	
Grouping	
5 - LINQ to XML	
New XML classes	
Generating XML	
Querying XML	
Using data projection	
Combining with XPath	
6 - LINQ to SQL	
Attributes and mapping	
Creating a DataContext	
Deferred loading	
Saving changes	
Inserts and deletes	
Transactions	
Concurrency	
Handling exceptions	
7 - LINQ to Entities	
ADO.NET Entity Framework	
Differences from LINQ to SQL	
Available providers	
Defining an Entity Data Model (EDM)	
Database-first vs. Model-first	
Object Services	
Change tracking	
Using EntityClient	
Using stored procedures	
N-tier and service-based applications	

