ADO.NET Overview

Herve Roggero
http://www.herveroggero.com
hroggero@bluesyntax.net

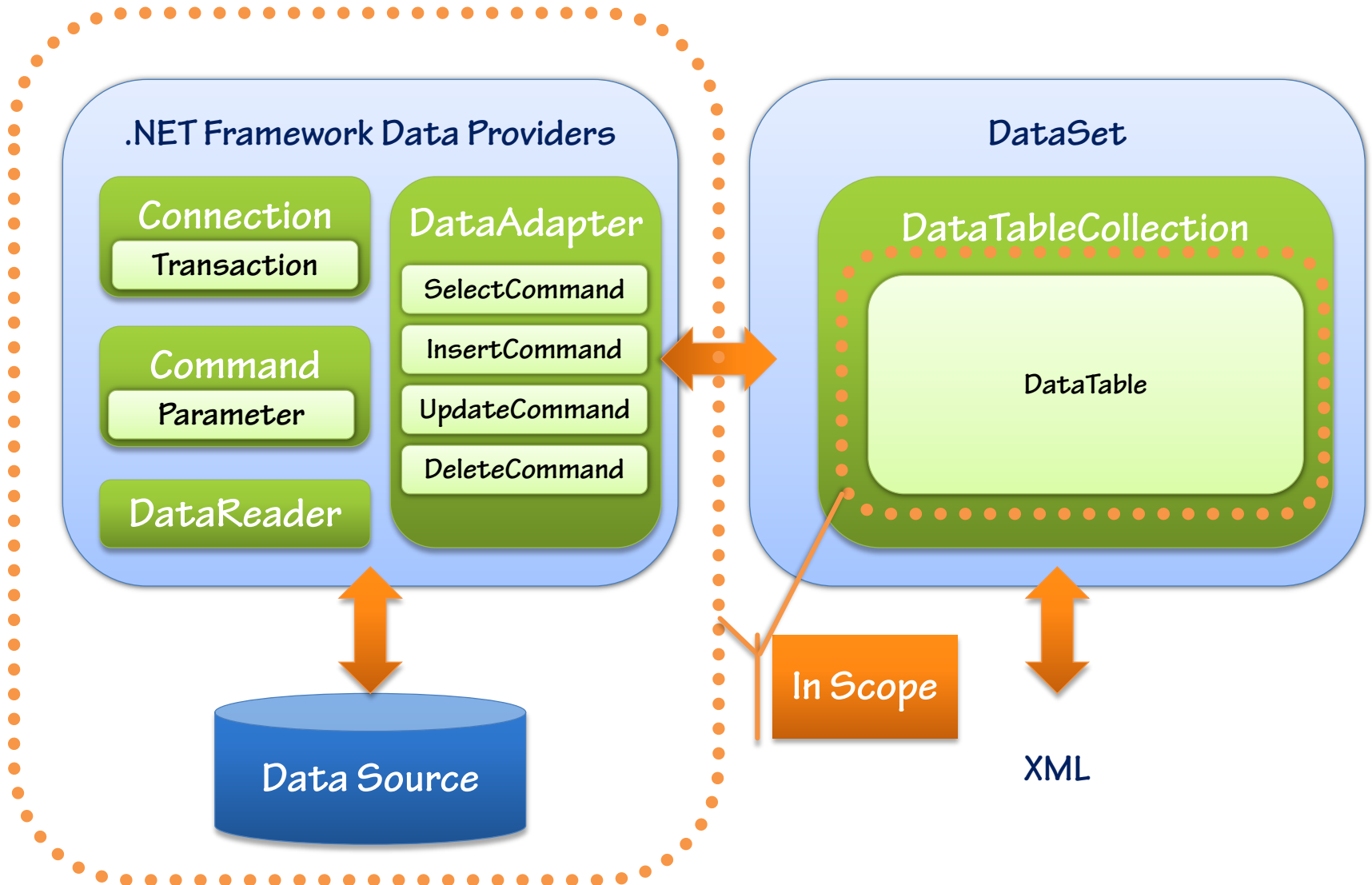pluralsight
hardcore developer training

Objectives

- **Understand the basics of ADO.NET**
- **Use ADO.NET with WinForm and ASP.NET applications**
- **Important considerations**
  - Performance
  - Understanding ADO.NET errors
  - Transactions and concurrency
  - Connection pooling
  - XML
  - Retry logic

Pre-Requisites

- **Visual Studio 2010 or higher**
- **SQL Server 2008 or higher**
- **AdventureWorks database**
- **Basic C# and T-SQL skills**

What is ADO.NET?

Modules Overview

Module	Concepts
1	Overview
2	Setup of Environment (AdventureWorks)
3	Connecting to a database with ADO.NET
4	Reading data with ADO.NET
5	Update, Insert, Delete data with ADO.NET
6	Managing ADO.NET Errors
7	Using the SqlDataAdapter class
8	Client-side performance tracking
9	Transaction management and concurrency
10	Connection pooling
11	Using XML with ADO.NET
12	Retry framework
13	Performance considerations with ADO.NET