

# .NET Training: CSLA .NET for Enterprise Software Development (CSLAN, 4 jours)

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## Description

The course CSLA .NET for Enterprise Software Development (.NET Training) covers CSLA development in an enterprise environment. The training discusses everything from the basic usage of the BusinessBase class to the use of advanced data access and validation techniques. If you need to build corporate web applications with CSLA .NET, this is the course for you. Please note that this course can be delivered using either versions 3.8 or 4.5 of the CSLA .NET framework and the exercises can be built using either VB .NET or C#.

## Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

## Plan de cours

### Preparatory Topics – If Necessary

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Understanding the Physical and Logical Boundaries of Assemblies and Namespaces

About Inheritance

Practical Polymorphism

About using Interfaces

Working with Generics

A Few Interesting Design Patterns

About MEL: Structure and Function

Advanced .NET Tricks that are Useful in CSLA .NET

### Application Architecture

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Logical vs Physical Architecture

The Logical Layer and the Physical Layer

Primary Design Considerations

A Proposed Architecture: Examining Layers

An Overview of a Typical CSLA Implementation

About CSLA and the .NET Framework

### Understanding Layers

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The Layers: From Presentation to Data Storage

The Data Access Layer

Implementing Business Objects

Implementing Validation

Implementing the User Interface

Other CSLA Components

### Designing the Application

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Design Goals

About Object Persistence and ORM

Framework Design Goals

Tracking and Undo Capability

Data Binding

Validation Rules

A Look at Helper Types

### Business Framework Implementation

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Overview of the CSLA Business Object Framework

Beginning a CSLA .NET Project

Supporting Globalization

Overview of CSLA Namespaces

The CSLA Namespace

CSLA Core Namespace

CSLA Validation Namespace

CSLA Security Namespace

Data Access and Security

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Designing a Data Portal

The Channel Adapter Pattern

The Message Router Pattern

Supporting Distributed Transactions

Ensuring Transparency

Enhancing CSLA Base Classes

Completing the Framework

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Implementing Custom Authentication

About Sorting Collections

Handling Dates

Implementing Common Business Rules

Windows Data Binding

Web Forms Data Binding

Advanced Topics

CSLA .NET and the .NET 4.0 API

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CSLA .NET and WCF

About Restful Services

Advanced Integration Example

Putting it all Together – A Complete Example

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Reviewing the Layers

Implementing the Data Access Layer

Implementing Business Objects

Connecting Business Objects to Data

Validating Business Data

Implementing the User Interface

Connecting all the Pieces