

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

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

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

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

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

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

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

Designing a Data Portal

The Channel Adapter Pattern

The Message Router Pattern

Supporting Distributed Transactions

Ensuring Transparency

Enhancing CSLA Base Classes

Completing the Framework

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

CSLA .NET and WCF

About Restful Services

Advanced Integration Example

Putting it all Together – A Complete Example

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