

.NET Training: Implementing WF Workflow Solutions (NFWF, 3 jours)

Description

The course Implementing WF Workflow Solutions (.NET Training) teaches you how to implement processes using Workflow Foundation (WF) in .NET. The training begins with an exploration of the WF runtime, workflow & the workflow lifecycle from beginning to end. The course covers workflow activities including basic, advanced & custom WF activities. The training also includes topics such as transactions, rules & policies and web services within .NET WF.

Tarifs

- Tarification: \$3,350/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Exploring Windows Workflow Foundation : WF

Workflow Concepts and Terminology

Comparing WF to BizTalk Server

WF Architecture

Overview of Workflow Types

The Lifetime of a Workflow

About Sequential Workflow Applications

About State Machine Workflow Application

The Building Blocks: Defining Activities

Building WF Solutions with Visual Studio

The WF Runtime

The Workflow Lifecycle

Key Component Overview

The Workflow Runtime Factory

Starting and Stopping Workflows

About Workflow Events

Workflow Instances

The Workflow Instance Lifecycle

Starting a Workflow Instance

Determining Workflow Properties and Status

Terminating a Workflow Instance

About Workflow State: Dehydration and Rehydration

Creating activities

Overview of Activity Types

The Sequence Activity

The Code Activity

The Throw Activity

The FaultHandler Activity

The Suspend Activity

The Terminate Activity

More on Activities : Calling External Methods

Creating an External Data Service

About Workflows and Data Exchange

Using ExternalDataExchange

Using ExternalDataEventArgs

Using CallExternalMethod

Invoking Secondary Workflows

Implementing Parallel Activities and Asynchronous Calls

Even More on Activities : Logic and Flow

About Conditional Processing in a Workflow

The IfElse Activity

The While Activity

The Replicator Activity

The HandlesExternalEvent Activity

The Delay Activity

The EventDriven Activity

The Listen Activity

The EventHandlingScope Activity

Creating Custom Activities

Implementing the Activity

Validating the Activity

Controlling Activity Behaviour in the Workflow Designer

About Custom Activities and the Toolbox

Using Rules and Policies

About Policies and Rules

Implementing Rule Conditions

About Chaining

Using the Policy Activity

State Based and Declarative Workflows

What is a State Based Workflow?

About the State and SetState Activities

About the StateInitialization and StateFinalization Activities

About Declarative Transactions

How to Create a Workflow using XAML

Transactions

The ACID Property of Transactions

The Transaction Lifecycle

Implementing Transactions

Using Transaction Scope

Using Trasaction Compensators

Implementing Transactions: A Complete Example

Web Services

Web Services Technology and Terminology

Creating a Web Service

Creating a Web Service Client

Exposing a Workflow as a Web Service

Calling a Web Service from within a Workflow