

# MDYN-14 - MICROSOFT DYNAMICS AX 2012 - DEVELOPMENT

Categoria: Dynamics

## INFORMAZIONI SUL CORSO



Durata:  
5 Giorni



Categoria:  
Dynamics



Qualifica Istruttore:  
Docente Senior (min.  
5 anni)



Dedicato a:  
Consulente Dynamics



Produttore:  
PCSNET

## OBIETTIVI

Questo corso mette in pratica, direttamente nell'applicazione, le tecniche apprese nel corso Microsoft Dynamics AX 2012 - Development. Introduce anche caratteristiche più avanzate di X++ e MorphX, trasferisce competenze per l'uso del Testing Framework per costruire una codifica più affidabile, approfondisce l'architettura di programmazione di Microsoft Dynamics AX 2012 e fornisce agli studenti un approccio case study/hands-on alla personalizzazione del sistema.

## PREREQUISITI

- Avere conoscenza approfondita ed esperienza di lavoro con Microsoft Dynamics AX 2012.
- Aver frequentato il corso Microsoft Dynamics AX 2012 - Development.

## CONTENUTI

### Module 1: X++ Unit Test Framework

- Introduction
- Creating Test Cases
- Adding Methods to Test Cases
- Running Test Cases
- Build Test Projects and Suites

### Module 2: Working with Data

- Introduction
- While Select
- Query
- Caching
- Locking
- Temporary Tables
- InitFrom
- ParmTables
- Date Effectiveness
- Computed Columns in Views

- Data Integration

### **Module 3: Classes**

- Introduction
- Collection Classes
- Application Object Classes
- Application Substituted Kernel Classes
- RunBase Framework
- Args Object

### **Module 4: Forms**

- Introduction
- Architecture
- Data Sources
- Form Controls
- Form Methods
- Placement of Code
- Additional Controls

### **Module 5: Visual Studio Integration**

- Introduction
- Application Explorer
- Visual Studio Projects
- Managed Code Projects
- Deploying Managed Code
- Visual Studio Debugging Experience for X++

### **Module 6: Workflow**

- Workflow Configuration
- Create a Workflow Category
- Create a Query
- Create a Workflow Type
- Enable Workflow on a Form
- Create a Workflow Approval
- Create Event Handlers
- Author a Workflow

### **Module 7: Number Sequences**

- Introduction
- Set Up and Administration
- Extensibility Scenarios
- Using Number Sequences in Forms

### **Module 8: Framework Features**

- Introduction
- Event Handlers for Customization
- Integration with Microsoft Dynamics AX
- Interop to X++
- Interop from X++

- Deploy .NET Assemblies for Interop

### **Module 9: Application Foundation Features**

- Introduction
- Global Address Book
- Extensible Data Security Policy Framework
- Financial Dimension Framework
- Organization Model Framework
- Case Management Framework
- Policy Framework

### **Module 10: Use and Design of the Ledger Module**

- Introduction
- General Ledger Overview
- Chart of Accounts
- Journals and Transactions
- Budgeting Overview
- Fixed Asset Overview

### **Module 11: Use and Design of the Product Information Management Module**

- Introduction
- Products
- Inventory Dimensions
- Managing Inventory Policies

### **Module 12: Use and Design of the Inventory and Warehouse Management Module**

- Introduction
- Reservations and Marking
- Inquiries and Transactions
- Inventory Journals
- Quarantine and Quality Management
- Other Functionality

### **Module 13: Use and Design of the Accounts Receivable and Accounts Payable**

- Introduction
- Customers
- Vendors
- Free Text Invoices
- Vendor Invoices
- Payments
- Collection and Interest
- Bills of Exchange
- Promissory Notes

### **Module 14: Use and Design of the Sales and Purchase Module**

- Introduction
- Sales and Purchase Orders
- Agreements
- Charges

- FormLetter Framework
- Other Features

### **Module 15: Use and Design of the Project Management and Accounting Module**

- Introduction
- Projects
- Work Breakdown Structure
- Journals and Transactions
- Budgets and Forecasting
- Project Contracts
- Invoicing
- Estimates and Revenue Recognition
- Project Management and Accounting Add-In

### **Module 16: Use and Design of the Production Control Module**

- Introduction
- Bill of Materials
- Routes
- Production Orders
- Scheduling
- Planned Production Orders
- LEAN Manufacturing
- Process Industries

### **Module 17: Workflow**

- Introduction
- Line-Item Workflows
- Workflow Providers
- Work Item Queues
- Currency in the Condition Editor
- Hierarchy Type Fields in the Condition Editor

### **Module 18: Reporting**

- Introduction
- Reporting Features Overview
- Report Data Overview
- Creating Basic Reports from a Query
- Create a Precision Design Report from a Report Data Provider
- Manage Report Execution by Using X++
- Business Logic in Report Data Methods
- Print Management

## **INFO**

**Manuale:** "Inside Microsoft Dynamics AX 2012 R3" - Editore: Microsoft Press - ISBN: 978-0-7356-8510-9

**Prezzo manuale:** 59 € incluso nel prezzo del corso a Calendario

**Natura del corso:** Operativo (previsti lab su PC)