INTRODUCTION TO C/SIDE SOLUTION DEVELOPMENT IN MICROSOFT DYNAMICS NAV 5.0

Welcome

We know training is a vital component of retaining the value of your Microsoft Dynamics ™ investment. Our quality training from industry experts keeps you up-to-date on your solution and helps you develop the skills necessary for fully maximizing the value of your solution. Whether you choose Online Training, Classroom Training, or Training Materials, there's a type of training to meet everyone's needs. Choose the training type that best suits you so you can stay ahead of the competition.

Online Training

Online Training delivers convenient, in-depth training to you in the comfort of your own home or office. Online training provides immediate access to training 24 hours a day. It's perfect for the customer who doesn't have the time or budget to travel. Our newest online training option, eCourses, combine the efficiency of online training with the in-depth product coverage of classroom training, with at least two weeks to complete each course.

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Classroom Training provides serious, in-depth learning through hands-on interaction. From demonstrations to presentations to classroom activities, you'll receive hands-on experience with instruction from our certified staff of experts. Regularly scheduled throughout North America, you can be sure you'll find a class convenient for you.

Training Materials

Training Materials enable you to learn at your own pace, on your own time with information-packed training manuals. Our wide variety of training manuals feature an abundance of tips, tricks, and insights you can refer to again and again:

Microsoft Dynamics Courseware: The Microsoft Dynamics training content consists of detailed training manuals, designed from a training perspective. These manuals include advanced topics as well as training objectives, exercises, interactions, and quizzes.

Look for a complete list of manuals available for purchase on the Microsoft Dynamics website www.microsoft.com/dynamics.

About the Microsoft Dynamics NAV Development II Course

The Microsoft Dynamics NAV Development II course provides conceptual and practical information for all phases of developing customized solutions in Microsoft Dynamics NAV. The training material is designed for use in an instructor-led training course, but you can also use it for self-study purposes.

Target Audience

This training material is intended for Microsoft Certified Business Solutions Partner employees who sell and implement Microsoft Dynamics NAV solutions. The curriculum is designed for participants who have completed the Development I course and passed the Development I certification exam.

Training Objectives

The goal of this course is to apply the basic skills taught in the Development I course to developing solutions in Microsoft Dynamics NAV. The best way to learn solution development is to try to develop a solution yourself. Therefore, the course is structured around a business case, which constitutes a small development project. You will be developing a solution to meet the requirements of a customer. During the course, you will use the concepts, practices and methodology first introduced in the Development I course that ideally should be applied for developing any kind of Microsoft Dynamics NAV solution.

Course Structure

The course begins with the presentation of the business case. The subsequent chapters each handle one aspect of the development project by introducing the necessary concepts, standards and technical components that will be used for the development. Some chapters also include a code walkthrough that will illustrate many of these concepts.

Each set of chapter exercises is introduced with a diagnosis of the client's needs and the associated use cases. One exercise covers one use case and consists of:

- An analysis of the individual use case.
- The design of the solutions for each use case.
- The development for each use case.
- The testing for each use case.

Some exercises have been designated as optional, even though they cover useful and examinable material, due to the time restraints on the instructor-led course. It is intended that participants complete them outside of the classroom.

At the end of the course, we will discuss deployment and on-going maintenance issues.

Course Content

This course covers the following topics:

- Creating solutions following the Microsoft Dynamics NAV Implementation Methodology
- Internal documentation
- Debugging tools
- Performance issues
- Complex data variables and their member functions
- Multilanguage functionality
- Analysis of objects
- Posting routines
- Architecture of a basic Microsoft Microsoft Dynamics NAV document
- Microsoft Microsoft Dynamics NAV dimensions
- Deploying customized software solutions

Certification

You must be certified to develop customized solutions in Microsoft Dynamics NAV. This course prepares you for the Development II certification exam.

Courseware

A database containing the finished objects and demonstration data for this course is provided.

Suggested Course Duration

The suggested course duration for Development II training is five days of instructor-led classroom time. Additional time will be required for most students to complete the additional exercises and review materials for exam preparation.

Further Information

You can find further information about the technical topics mentioned in this course in the C/SIDE® online Help (called C/SIDE Reference Guide). For more information regarding design issues, see the Application Designer's Guide.

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Microsoft Dynamics NAV Development Concepts

Before you begin development, you must first determine what tools and concepts you will use to analyze the problems presented and to design and develop the solution to those problems. These tools and concepts are split into:

- The "rules" that you will use in development.
- The "methodology" which you will use to approach the problem.

Rules

To develop the solution, you use Microsoft Dynamics NAV's development environment, C/SIDE, and its proprietary programming language, C/AL. You access C/SIDE by clicking TOOLS→OBJECT DESIGNER in the menu bar or SHIFT + F12.

It is assumed that participants in Development II possess a good understanding of basic C/AL and C/SIDE functionality as covered in the Development I course.

NOTE: During the development of our solution, you may find it useful to consult the C/SIDE Reference Guide to find information about data types, properties, triggers, controls and functions, among other things. In addition to accessing the C/SIDE Reference Guide from the Help menu, you can press F1 to get context-sensitive Help.

Methodology

We will take a phased approach to implementing our solution. This methodology includes the use of UML Use Cases and Activity Diagrams in analyzing and designing solutions. We will describe actions related to our development project as belonging to the following phases:

- Diagnostic Phase
- Analysis Phase
- Design Phase
- Development & Testing Phase
- Deployment Phase
- On-Going Support Phase

Student Objectives

What do you hope to learn by participating in this course?

List three main objectives below.

1.

2.

3.

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