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# Microsoft Dynamics Nav 7 Programming Cookbook Raul Rakesh

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Updated for Version R3

Dynamics 365 Business Central Development Quick Start Guide

Discover extension development best practices, build advanced ERP integrations, and use DevOps tools

Sams Teach Yourself Microsoft Dynamics CRM 2011 in 24 Hours

Building ERP Solutions with Microsoft Dynamics NAV

Implementing Microsoft Dynamics 365 Business Central On-Premise

Programming Microsoft Dynamics NAV 2009

Microsoft ADO.NET 4 Step by Step

Jump Start to Optimization

Modern development techniques for Dynamics 365 Business Central

Microsoft Dynamics 365 Business Central Field Guide

Microsoft .NET - Architecting Applications for the Enterprise

Microsoft Dynamics 365 For Dummies

Build Customized Business Applications with the Latest Tools in Dynamics 365 Business Central, 6th Edition

Programming with Microsoft Visual Basic 2015

Automated Testing in Microsoft Dynamics 365 Business Central

Programming Microsoft Dynamics 365 Business Central

Mastering Microsoft Dynamics NAV 2016

Learn and understand the functionality of Microsoft's enterprise solution

Lessons Learned from Programming Over Time

Implementing Microsoft Dynamics NAV

Lipari Summer School 2007, Lipari Island, Italy, July 8-21, 2007, Revised Tutorial Lectures

Microsoft Dynamics NAV 2013 Application Design

Microsoft Dynamics NAV Development Quick Start Guide  
Implementing Microsoft Dynamics NAV 2013  
Microsoft Dynamics 365 Extensions Cookbook  
Programming Microsoft Dynamics 365 Business Central  
Microsoft Dynamics NAV 2009  
Explore the capabilities of Dynamics NAV 2018 and Dynamics 365 Business Central and implement them efficiently, 4th Edition  
Get up and running with Microsoft Dynamics NAV  
Microsoft Dynamics NAV  
Microsoft Dynamics NAV 7 Programming Cookbook  
Introducing Windows Azure for IT Professionals  
Programming Microsoft Dynamics CRM 4.0  
Using Microsoft Dynamics AX 2012  
Using Microsoft Dynamics 365 for Finance and Operations  
Web Programming with HTML5, CSS, and JavaScript  
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Microsoft Dynamics Nav Administration

*Microsoft Dynamics Nav  
7 Programming  
Cookbook Raul Rakesh*      *Downloaded from  
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## **ORR HASSAN**

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Programming Microsoft Dynamics 365  
Business Central will help you effectively  
use the development tools that are built  
into Dynamics Business Central. You will  
understand the strengths of Microsoft

Dynamics 365 Business Central's  
development tools and how they can be  
applied to address functional business  
requirements.

*Dynamics 365 Business Central  
Development Quick Start Guide* Packt  
Publishing Ltd

'Microsoft Business Solutions' Navision  
software is quickly be-coming the industry  
standard ERP software package product  
for providing small-to medium-sized  
manufacturing and distribution companies

with integrated business management  
solutions. Maximizing Your Supply Chain  
Using Microsoft Navision gives  
manufacturing practitioners a  
comprehensive overview of how to most  
effectively use Navision to manage supply  
chain activities. This easy-to-follow  
executive's guide addresses common  
issues in using the system to solve  
business problems.

[Discover extension development best  
practices, build advanced ERP](#)

integrations, and use DevOps tools

Springer

The compilation of best skillset to harness Microsoft Dynamics NAV for

Administrators, Consultants, and

Developers About This Book Take your skills to the next level with Dynamics NAV by implementing all the latest and

advanced features Get a comprehensive coverage of how the NAV system can be implemented and maintained to get the

most out of it Get powerful insights into how to integrate Dynamics NAV with third-party tools and extend its functionality Who

This Book Is For This book is ideal for

administrators, developers, and consultants who are looking to take their knowledge of Dynamics NAV to new

heights. You're expected to have a basic knowledge of Dynamics NAV workflows and C/AL, C/SIDE development. What You

Will Learn Installing the NAV system in different environments Implementing the system with the correct setup Maintaining

the system to get the best possible performance Tuning up the Dynamics NAV to get better outcomes The Version

Control strategy for Dynamics NAV developers Integrating other software and

features to remove limitations

Understanding your own system better Being able to solve customers' problems with "out-of-the-box" features

Reducing customization and additional development time In Detail The book begins by giving

you a brief introduction to setting up your NAV environment and shows you how to install and configure it according to your

requirements. You will then dive deep into the latest design patterns, network architecture, and topologies. We will show

you how you can integrate NAV with the Microsoft platform, and secure your deployment by managing roles and

permissions. Moving on, we will explain how to monitor and manage server instances using the Administration tool. We'll discuss how you can take advantage

of the expanded extensibility and connectivity capabilities for a tighter integration with the cloud as well as

handheld devices. Then, we'll show you how you can make use of the PowerBI capabilities that have been built into

Dynamics NAV. By the end of the book, you will be confident in developing and administering a Dynamics NAV

implementation that will leverage all of the

new features. Style and approach This

book takes a straightforward tutorial approach, providing you with step-by-step

explanations and simple example-oriented walkthroughs. It is filled with use cases and situations that show you the different

pitfalls you might encounter and how to get past them.

Sams Teach Yourself Microsoft Dynamics CRM 2011 in 24 Hours Sams Publishing

Understanding the new Microsoft

Extension model for development Key

Features Develop solutions for Dynamics 365 Business Central Orient yourself with

the new Microsoft Extension model for

development Learn modern ways to develop with Dynamics 365 Business

Central Book Description Microsoft

Dynamics 365 Business Central is the new SaaS ERP proposition from Microsoft. This latest version has many exciting features

guaranteed to make your life easier. This book is an ideal guide to Dynamics 365 Business Central and will help you get

started with implementing and designing solutions for real-world scenarios. This book will take you through the

fundamental topics for implementing solutions based on Dynamics 365 Business

Central (on-premise and SaaS). We'll see the core topics of the new development model (based on extensions) and we'll see how to create applications with the new Microsoft ERP proposition. The book begins by explaining the basics of Dynamics 365 Business Central and the Microsoft ERP proposition. We will then cover topics such as extensions, the new modern development model of Visual studio code, sandboxes, Docker, and many others. By the end of the book, you will have learned how to debug and compile extensions and to deploy them to the cloud and on-premise. You will also have learned how to create serverless business processes for Microsoft Dynamics 365 Business Central. What you will learn

Develop solutions for Dynamics 365 Business Central  
 Create a sandbox for extensions development (local or on cloud)  
 Use Docker with Dynamics 365 Business Central  
 Create extensions for Dynamics 365 Business Central  
 Handle dependencies, translations and reporting  
 Deploy extensions on-premise and to the cloud  
 Create serverless processes with Dynamics 365 Business Central  
 Understand source code management for AL  
 Who this book is for  
 This book is for

Microsoft Dynamics 365 Business Central solution developers and architects that needs to implement solutions based on the Microsoft's ERP (on-premise and SaaS).

[Building ERP Solutions with Microsoft Dynamics NAV](#) Packt Publishing Ltd  
 Learn how to write automated tests for Dynamics 365 Business Central and see how to implement it in your daily work  
 Key Features  
 Leverage automated testing to advance over traditional manual testing methods  
 Write, design, and implement automated tests  
 Explore various testing frameworks and tools compatible with Microsoft Dynamics 365 Business Central  
 Book Description  
 Dynamics 365 Business Central is the new cloud-based SaaS ERP proposition from Microsoft. It's not as simple as it used to be way back when it was called Navigator, Navision Financials, or Microsoft Business Solutions-Navision. Our development practices are becoming more formal, and with this, the call for test automation is pressing on us. This book will teach you to leverage testing tools available with Dynamics 365 Business Central to perform automated testing. We'll begin with a quick introduction to

automated testing, followed by an overview of test automation in Dynamics 365 Business Central. Then you'll learn to design and build automated tests and we'll go through some efficient methods to get from requirements to application and testing code. Lastly, you'll learn to incorporate your own and Microsoft tests into your daily development practice. By the end of the book, you'll be able to write your own automated tests for Dynamics 365 Business Central. What you will learn

Understand what automated tests are, and when and why to use them  
 Explore the five pillars of the Testability Framework of Business Central  
 Design and write automated tests for Business Central  
 Make use of standard automated tests and their helper libraries  
 Integrate automated tests into your development practice  
 Who this book is for  
 This book is for consultants, testers, developers, and development managers working with Microsoft Dynamics NAV and Business Central. Being a book on automated testing techniques, it also caters to both functional and technical development teams.

### **Implementing Microsoft Dynamics**

**365 Business Central On-Premise** John Wiley & Sons

A quick book and eBook guide to installing, configuring, deploying, and administering Dynamics NAV with ease

*Programming Microsoft Dynamics NAV 2009* Packt Publishing Ltd

Build better business applications with Microsoft Dynamics NAV 2009 with this book and eBook.

*Microsoft ADO.NET 4 Step by Step* Pearson Education

Microsoft Dynamics NAV 7 Programming Cookbook Packt Publishing Ltd

*Jump Start to Optimization* Packt Publishing Ltd

Implement Business Central and explore methods to upgrade to NAV 2018 Key Features Learn the key roles of Dynamics NAV partner and the roles within your customer's organization Create configuration packages and perform data migration Explore Microsoft Dynamics 365 Business Central to use Dynamics NAV 2018 functionalities in the Cloud Book Description Microsoft Dynamics Business Central is a full business solution suite and a complete ERP solution, which contains a robust set of development tools; these

tools can help you to gain control over your business and can simplify supply chains, manufacturing, and operations. Implementing Microsoft Dynamics 365 Business Central On-Premise covers the latest features of Dynamics Business Central and NAV from the end users' and developers' perspectives. It also provides an insight into different tools available for implementation, whether it's a new installation or migrating from the previous version of Dynamics NAV. This book will take you from an introduction to Dynamics NAV 2018 through to exploring all the techniques related to implementation and migration. You will also learn to expand functionalities within your existing Microsoft Dynamics NAV installation, perform data analysis, and implement free third-party add-ons to your existing installation. As you progress through the book, you will learn to work with third-party add-on tools. In the concluding chapters, you will explore Dynamics 365 Business Central, the new Cloud solution based on the Microsoft NAV platform, and techniques for using Docker and Sandbox to develop applications. By the end of the book, you will have gained a deep

understanding of the key components for successful Dynamics NAV implementation for an organization. What you will learn Explore new features introduced in Microsoft Dynamics NAV 2018 Migrate to Microsoft Dynamics NAV 2018 from previous versions Learn abstract techniques for data analysis, reporting, and debugging Install, configure, and use additional tools for business intelligence, document management, and reporting Discover Dynamics 365 Business Central and several other Microsoft services Utilize different tools to develop applications for Business Central Who this book is for Implementing Microsoft Dynamics 365 Business Central On-Premise is for Dynamics NAV partners and end users who want to know everything about Dynamics NAV implementation. This book is for you if you want to be a project manager or get involved with Dynamics NAV, but do not have the expertise to write code yourself. This book can also help you to understand the need to move to Business Central and its advantages. *Modern development techniques for Dynamics 365 Business Central* Packt Publishing Ltd

Programming Microsoft Dynamics 365 Business Central will help you effectively use the development tools that are built into Dynamics Business Central. You will understand the strengths of Microsoft Dynamics 365 Business Central's development tools and how they can be applied to address functional business requirements.

*Microsoft Dynamics 365 Business Central Field Guide* Packt Publishing Ltd

Gain useful insights to help you efficiently build, test, and migrate customized solutions on Business Central cloud and on-premise platforms  
 Key Features  
 Explore enhanced functionalities and development best practices in Business Central  
 Develop powerful Business Central projects using the AL language  
 Master the new Business Central with easy-to-follow recipes  
 Book Description  
 Microsoft Dynamics 365 Business Central is a complete business management solution that can help you streamline business processes, connect individual departments in your company, and enhance customer interactions. Ok. That first part was really professional sounding, right? Now, let's get into what this cookbook is going to do

for you: put simply, it's going to help you get things done. This book will help you get to grips with the latest development features and tools for building applications using Business Central. You'll find recipes that will guide you in developing and testing applications that can be deployed to the cloud or on-premises. For the old-schoolers out there, you'll also learn how to take your existing Dynamics NAV customizations and move them to the new AL language platform. Also, if you haven't figured it out already, we're going to be using very normal language throughout the book to keep things light. After all, developing applications is fun, so why not have fun learning as well! What you will learn  
 Build and deploy Business Central applications  
 Use the cloud or local sandbox for application development  
 Customize and extend your base Business Central application  
 Create external applications that connect to Business Central  
 Create automated tests and debug your applications  
 Connect to external web services from Business Central  
 Who this book is for  
 This book is for Dynamics developers and administrators who want to become efficient in developing and

deploying applications in Business Central. Basic knowledge and understanding of Dynamics application development and administration is assumed.

[Microsoft .NET - Architecting Applications for the Enterprise](#) Packt Publishing Ltd  
 Implementing ERP Systems About This Book Solve common business problems with the valuable features and flexibility of Dynamics NAV Design software that is maintainable outside the ecosystem of their creators  
 Create configuration packages and perform data migration on your own  
 Who This Book Is For This book is for Dynamics NAV partners, developers, consultants, and end users who want to know everything about Dynamics NAV implementations and development. What You Will Learn  
 Create reusable data migration packages  
 Successfully upgrade your installation to the latest version  
 Manage and expand your existing installation with additional functionalities  
 Apply object-oriented practices to C/AL programming  
 Refactor legacy code and avoid anti-patterns  
 Build relationships with COM technologies  
 Clone codes and their application in Dynamics NAV  
 Automate deployment into Dynamics NAV  
 In Detail

Microsoft Dynamics NAV is an Enterprise Resource Planning (ERP) application used in all kinds of organizations around the world. It provides a great variety of functionality, out-of-the-box, in different topics such as accounting, sales, purchase processing, logistics, and manufacturing. Microsoft Dynamics NAV also allows companies to grow their applications by customizing solutions to meet specific requirements. This course is a hands-on tutorial on working with a real Dynamics NAV implementation. It begins by providing an insight into the different tools available to migrate data from client legacy systems into Microsoft Dynamics NAV. If you are already live with Microsoft Dynamics NAV, you will learn about upgrades and what to expect from them. We'll also show you how to implement additional or expanding functionalities within your existing Microsoft Dynamics NAV installation, perform data analysis, debug error messages, and implement free third-party add-ons to your existing installation. From here, you will be introduced to integrated development tools to make you a highly productive developer in the NAV environment. The

course will serve as a comprehensive reference guide, complementing NAV's Help files. You will find this course really useful if you want to evaluate Microsoft Dynamics NAV's development capabilities or need to manage NAV-based projects. Additionally, you will also learn about the NAV application structure, the C/SIDE development environment, the C/AL language, the construction and uses of each object type, and how it all fits together. Moving on, you will be guided through the NAV way of solving problems. You will be introduced to patterns and the software NAV architecture and will then build an example application. Then, you will walk through the details of architectural patterns, design patterns, and implementation patterns and will also learn about anti-patterns and handling legacy code. You will learn how to build solutions using patterns. The course offers premium, highly practical content on this recently released version of Dynamics NAV, and includes material from the following Packt books : Implementing Microsoft Dynamics NAV - Third Edition Programming Microsoft Dynamics™ NAV Learning Dynamics NAV Patterns Style and

approach This course is for Dynamics NAV partners, developers, consultants, and end users who want to know everything about Dynamics NAV implementations and development.

*Microsoft Dynamics 365 For Dummies*  
Packt Publishing Ltd

Discover tips and trick for Dynamics NAV report building About This Book Create and customize reports in Dynamics NAV 2015 using RDLC, Word, Power BI, and Reporting Services Work with different elements in the toolbox such as tablix, which can be used as a List, Table, or Matrix and understand the differences between them and when to use which This book is a pragmatic guide with clear instructions and real-world examples to teach you about the reporting capabilities of Dynamics NAV 2015 Who This Book Is For If you are a consultant, developer, customer, user, or just interested in the reporting capabilities of Dynamics NAV, then this book is for you. Basic knowledge of Dynamics NAV will be helpful. What You Will Learn Understand why reports are designed in a specific way and then apply this knowledge to your advantage Develop document reports using different



techniques Apply filtering and sorting, and create groups Use RDLC to visualize information Visualize information, KPIs, and trends using expressions, Gauges, Charts, Data bars, Indicators, and Spark lines Create and optimize your dataset for RDLC and for Word layouts Use Power BI with Dynamics NAV to bring your data to life Build Reporting Services reports on top of Dynamics NAV In Detail Microsoft Dynamics NAV is a multi-lingual, multi-currency business management solution that organizations use to manage their accounts, supply chain, sales, payroll, and HR. It is an ERP tool for organizations that is fast to implement, easy to configure, and simple to use. It is widely used because simplicity is a part of its development, product design, usability, and implementation. This book will help you to master, analyze, and deliver the most challenging reporting requirements in Dynamics NAV 2015. The book starts by explaining report development and its different phases such as data model, layout, and testing you go through. It introduces you to RDLC and the different controls in the toolbox, such as the Tablix, in its many forms. You will learn to use

expressions to make your layout dynamic and to overcome typical problems. Moving on, the book will teach you to visualize data and be able to understand and read a report as it is intended. You will also learn to use Microsoft Word to create a layout for a report. With Power BI and Power Pivot, Power View, and Power Map, you will learn how easy and powerful it is to bring your data to life, so you can spot trends and perform in depth analysis of your business. Reporting Services is also explained as another way that you can apply the knowledge you have about RDLC to build RDL layouts outside of Dynamics NAV. By the end, you will create different types of charts so you can visualize key performance indicators inside the Dynamics NAV application. Style and approach This book is an essential guide in to understanding what is involved in creating reports in Dynamics NAV and its reporting capabilities.

[Build Customized Business Applications with the Latest Tools in Dynamics 365 Business Central, 6th Edition](#) Packt Publishing Ltd

Learn development skills and improve productivity when programming in

Microsoft Dynamics NAV 2018 - the popular Enterprise Resource Planning management system used across a variety of industries for business process management Key Features Solve common business problems with the valuable features and flexibility of Dynamics NAV Understand the structure of NAV database - how documents and business entities are mapped to DB tables Design user interface and bind the presentation layer with the data storage Book Description Microsoft Dynamics NAV is an enterprise resource planning (ERP) software suite for organizations. The system offers specialized functionality for manufacturing, distribution, government, retail, and other industries. This book gets you started with its integrated development environment for solving problems by customizing business processes. This book introduces the NAV development environment - C/SIDE. It gives an overview of the internal system language and the most essential development tools. The book will enable the reader to customize and extend NAV functionality with C/AL code, design a user interface through pages, create role



centers, and build advanced reports in Microsoft Visual Studio. By the end of the book, you will have learned how to extend the NAV data model, how to write and debug custom code, and how to exchange data with external applications. What you will learn Manage NAV Server configuration with Microsoft Management Console Manage NAV installation with the NAV Administration Shell Create integration events and extend functionality via the NAV event model Run XML Ports from C/AL code Design reports and write client code in RDLC expressions Who this book is for This book is for experienced NAV users who have an understanding of basic programming concepts. Familiarity with NAV development environment or its internal development language-C/AL is not expected.

[Programming with Microsoft Visual Basic 2015](#) Microsoft Press

A focused book and ebook tutorial for Microsoft Dynamics NAV application development

**Automated Testing in Microsoft Dynamics 365 Business Central**  
Springer Science & Business Media

Precise descriptions and instructions enable users, students and consultants to understand MS Dynamics AX 2012 rapidly. Microsoft offers Dynamics AX as its premium ERP solution, supporting large and mid-sized organizations with a complete business management solution which is easy to use. Going through a simple but comprehensive case study – the sample company ‘Anso Technologies Inc.’ – this book provides the required knowledge to handle all basic business processes in Dynamics AX. Exercises are there to train the processes and functionality, also making this book a good choice for self-study.

**Programming Microsoft Dynamics 365 Business Central** Packt Publishing Ltd

If you are a NAV consultant and developer or a designer of business applications, you will benefit most from this book. This book assumes that you have a basic understanding of business management systems and application development with working knowledge of Microsoft Dynamics NAV.

*Mastering Microsoft Dynamics NAV 2016*  
Packt Publishing Ltd

This book provides precise descriptions

and instructions which enable users, students and consultants to understand Microsoft Dynamics 365 for Finance and Operations rapidly. Microsoft offers Dynamics 365 as its premium ERP solution, supporting large and mid-sized organizations with a complete business management solution which is easy to use. Going through a simple but comprehensive case study, this book provides the required knowledge to handle all basic business processes in Microsoft Dynamics 365 for Finance and Operations. Exercises are there to train the processes and functionality, also making this book a good choice for self-study.

**Learn and understand the functionality of Microsoft's enterprise solution** Packt Publishing Ltd

Today, software engineers need to know not only how to program effectively but also how to develop proper engineering practices to make their codebase sustainable and healthy. This book emphasizes this difference between programming and software engineering. How can software engineers manage a living codebase that evolves and responds to changing requirements and demands

over the length of its life? Based on their experience at Google, software engineers Titus Winters and Hyrum Wright, along with technical writer Tom Manshreck, present a candid and insightful look at how some of the world's leading practitioners construct and maintain software. This book covers Google's unique engineering culture, processes, and tools and how these aspects contribute to the effectiveness of an engineering organization. You'll explore three fundamental principles that software

organizations should keep in mind when designing, architecting, writing, and maintaining code: How time affects the sustainability of software and how to make your code resilient over time How scale affects the viability of software practices within an engineering organization What trade-offs a typical engineer needs to make when evaluating design and development decisions

**Lessons Learned from Programming Over Time** Packt Publishing Ltd  
Mastering Microsoft Dynamics NAV for beginners and IT professionals: from jump

start to optimization. This book covers general use and shows you how to tailor Microsoft Dynamics NAV to mirror your firm's unique needs. Learn skills that enable you to navigate and interpret the world of possibilities locked within the ERP system. Through easy, concrete examples, you will master the layered environment and be able to use and create reports, forms, import/export functions and more. This book gives you the basis you need to demand the best information infrastructure for your enterprise.

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