



MS Dynamics AX Technical

Course description

Gain complete knowledge on Microsoft Dynamics AX 365, integrated, adaptable business management solution in the Microsoft Dynamics line that streamlines Technical, Production, Trade & Logistics, and Finance. Enroll for Microsoft Dynamics AX Course at BISP Trainings and become Microsoft Dynamics AX Certified Developer.

Student Take away

- Study Material
- Learning stuff
- Sample project for practice

MS Dynamics AX Technical Online Training Curriculum

Introduction

- ERP Introduction-Biz application
- Different technologies used for ERP
- Introduction about Microsoft Dynamics AX
- Versions of Ax and new features in Ax 2012

Topics to be covered

- Architecture
- Data components
- UI
- Programming
- Integration with other apps (brief descriptions)

Architecture

- Introduction to Microsoft Dynamics AX Development
- Features of Microsoft Dynamics AX
- Elements of Microsoft Dynamics AX Development
- Microsoft Dynamics AX Object Server
- Application Object Tree
- IntelliMorph
- MorphX
- Inheritance
- X++
- Microsoft Dynamics AX Application Essentials
- Microsoft Dynamics AX Layered Architecture
- Models and Model management

- Tools for Customization
- Security
- Inquiry and Reports
- Conclusion

Data Components

- Introduction to Microsoft Dynamics AX Data Dictionary
- MorphX and the Application Object Tree
- Features of the AOT
- Objects in the Data Dictionary
- Tables
- Maps
- Views
- Extended Data Types
- Base Enums
- Security (Roles, Duties, policies)
- Microsoft Dynamics AX Table Structure and Components
- Procedure: Creating a Table in Microsoft Dynamics AX
- Relations
- Data Types .Primitive and Extended
- Indexes

User Interfaces

- Projects
- Forms
- Elements that Compose a Form
- Form Designs
- Forms and Their Data Sources
- Forms and Their Methods
- Menu Items in MorphX
- Microsoft Dynamics AX Non-graphical Objects
- Macros
- Jobs
- Queries
- SSRS Reports (AX + SSRS integration Brief description)
- Working with Report Design

Programming

- Development environment
- Introduction to X++
- What is X++?
- New programming features in AX 2012
- Object Oriented Programming features
- How OOPS concept used in AX?
- Development Tools
- Best Practices

- Objects and Classes
- Introduction to objects
- Methods
- Variables and classes
- X++ Control Statements
- Accessing the Database
- Searching for records
- Data manipulation
- Queries using X++ Language
- Development Environment and Tools
- Training Objectives
- Introduction
- Development Environment Application
- AOS Setup
- Cross-References
- Performance/Monitoring
- Debugger
- System Monitoring/ tracing
- Query
- While Select
- Temporary Tables
- Abstract Classes
- Delegates
- Variables
- Collections and X++ Foundation Classes
- X++ Access Modifiers and Code Visibility
- Exceptions in X++
- Database Interactions in X++
- Types of Classes
- Run Base Framework
- Args-Object
- Number sequences

Advanced Topics (brief descriptions)

- Work flow
- EP (Ax web application)
- Upgrade from Lower version