



MICROSOFT TRAINING

Microsoft Dynamics Ax Development Iii Course

Advance your Microsoft Dynamics AX development skills. Master complex customizations and extensions for robust enterprise solutions.

DURATION

24 Hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

This advanced Microsoft Dynamics AX Development III course at Computer Pride is meticulously designed for developers seeking to master the intricacies of the Microsoft Dynamics AX platform. Building upon foundational knowledge, this program delves into sophisticated development techniques, empowering participants to customize, integrate, and extend Dynamics AX functionalities to meet complex enterprise business requirements. You will gain profound expertise in advanced X++ programming, delving into intricate data model customizations, mastering application integration frameworks, and optimizing system performance.

Participants will explore critical aspects such as advanced reporting services, robust security frameworks, and efficient deployment strategies. The course emphasizes practical, hands-on application of concepts, preparing you to tackle real-world development challenges. By completing this certification, you will not only enhance your technical proficiency with Microsoft Dynamics AX but also position yourself as a crucial asset capable of driving significant business value through tailored ERP solutions, leading to accelerated career growth in specialized IT roles.

Duration	24 Hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Advanced X++ Programming and Object-Oriented Patterns

- Advanced classes and inheritance in X++
- Design patterns and best practices for Dynamics AX development
- Reflection and attribute programming
- Advanced exception handling and debugging strategies
- Utilizing delegates and events for flexible code

02 Module 2: Deep Dive into Application Object Tree (AOT) and Data Model Extension

- Extending standard tables and forms with custom logic and metadata
- Creating and managing complex views and advanced queries
- Utilizing table inheritance and data policies for complex data structures
- Advanced data manipulation techniques with transactional integrity
- Understanding and customizing table methods and events

03 Module 3: Integration and Services Framework

- Developing and consuming AIF (Application Integration Framework) services
- Working with custom web services and .NET interoperability within Dynamics AX
- Implementing advanced data import/export frameworks (DIXF/DMF)
- Integrating Dynamics AX with external systems and third-party applications
- Error handling and logging in integration scenarios

04 Module 4: Reporting, Analytics, and Business Intelligence

- Developing advanced SQL Server Reporting Services (SSRS) reports with Dynamics AX data
- Creating custom data providers and report design patterns
- Utilizing Business Intelligence (BI) tools and cubes within the AX environment
- Performance optimization techniques for large-scale reporting
- Embedding and customizing Power BI reports within Dynamics AX

05 Module 5: Performance Optimization, Security, and Lifecycle Management

- Performance tuning techniques for X++ code and database operations
- Implementing advanced security policies, roles, and extensible data security (XDS)
- Code optimization and best practices for maintainability and scalability
- Advanced deployment strategies and code migration techniques (model store, AOT export/import)
- Version control best practices for Dynamics AX development

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Microsoft Dynamics AX Solutions Developer**
- > **ERP Technical Consultant (specializing in Dynamics AX customisation and integration)**
- > **Dynamics AX Integration Architect**

FREQUENTLY ASKED QUESTIONS

Q: What prior development experience is recommended before enrolling in the Microsoft Dynamics AX Development III course?

This course is designed for intermediate to advanced developers. It is strongly recommended that participants have successfully completed Microsoft Dynamics AX Development I and II, or possess equivalent hands-on experience in X++ programming, AOT navigation, and basic customization within the Dynamics AX environment. A solid understanding of relational databases, object-oriented programming principles, and familiarity with ERP concepts is also essential for maximizing the learning experience.

Q: How will this course enhance my ability to handle complex ERP customization projects within Dynamics AX?

The Microsoft Dynamics AX Development III course focuses on empowering you with advanced techniques to tackle highly intricate customization challenges. You will learn to implement sophisticated business logic using advanced X++, extend core functionalities without compromising upgradability, integrate Dynamics AX seamlessly with diverse external systems, and develop robust, high-performance reporting solutions. This comprehensive training prepares you to lead complex customization initiatives and architect scalable solutions that meet demanding enterprise requirements.

Q: What specific types of integration scenarios will I be prepared to develop after completing this course?

Upon completion of this course, you will be proficient in developing a wide range of integration solutions. This includes creating and consuming custom Application Integration Framework (AIF) services for real-time data exchange, integrating Dynamics AX with external web services and .NET applications, and implementing robust data import/export functionalities using advanced frameworks. You will gain the skills to architect and implement secure, efficient, and reliable data flows between Dynamics AX and various enterprise applications, solving complex business integration challenges.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke