



MICROSOFT TRAINING

Application Integration Framework in Microsoft Dynamics AX 2012 Course Overview

Master Application Integration Framework in Microsoft Dynamics AX 2012 to build robust integration solutions.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This comprehensive 2-hour course provides an essential overview of the Application Integration Framework (AIF) in Microsoft Dynamics AX 2012, designed for intermediate-level IT professionals. Participants will delve into the core concepts and architecture of AIF, understanding how it facilitates seamless data exchange and process integration between Dynamics AX 2012 and external systems. The course covers key components such as services, service operations, data policies, and adapters, equipping learners with the fundamental knowledge to design, implement, and manage robust integration solutions. This foundation is critical for anyone looking to extend the functionality of Dynamics AX 2012 and connect it efficiently with other enterprise systems.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to Application Integration Framework (AIF)

- Overview of AIF architecture and purpose
- Understanding integration patterns in Dynamics AX 2012
- Key AIF concepts: Services, Service Operations, and Documents
- Role of AIF in enterprise resource planning (ERP) integration

02 Module 2: AIF Components and Setup

- Exploring AIF services and service groups
- Configuring inbound and outbound ports
- Understanding AIF adapters: File system, MSMQ, and Web services
- Basic setup and activation of AIF ports

03 Module 3: Developing Inbound Integrations

- Creating custom service operations for inbound data
- Implementing data policies for XML mapping and transformation
- Processing inbound messages and handling data validation
- Error handling strategies for inbound AIF messages

04 Module 4: Developing Outbound Integrations

- Utilizing AIF for exporting data from Dynamics AX 2012
- Setting up batch jobs for automated outbound processes
- Handling data transformations and external data formats
- Configuring message queues and reliable messaging for outbound data

05 Module 5: Security, Monitoring, and Troubleshooting AIF

- AIF security best practices and user permissions
- Monitoring AIF messages and exceptions
- Troubleshooting common AIF integration issues
- Performance considerations for AIF integrations

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Microsoft Dynamics AX Integration Developer**
- > **Enterprise Application Integration Specialist**
- > **Dynamics AX Technical Consultant**

FREQUENTLY ASKED QUESTIONS

Q: What specific types of business scenarios can I automate or streamline using the Application Integration Framework after completing this course?

After this course, you'll be equipped to automate scenarios such as integrating Dynamics AX 2012 with external CRM systems for customer data synchronization, connecting to third-party e-commerce platforms for order processing, facilitating data exchange with warehouse management systems for inventory updates, or integrating with payroll systems. You'll understand how to enable real-time data flow for critical business processes like sales order fulfillment, procurement, and financial reporting, significantly improving operational efficiency and data accuracy across your enterprise.

Q: What foundational knowledge in Microsoft Dynamics AX 2012 development or architecture is recommended before taking this AIF overview course?

While this course is an overview, it is designed for an intermediate level. It is highly recommended that participants have a basic understanding of Microsoft Dynamics AX 2012 development concepts, including X++ programming fundamentals, knowledge of the AOT (Application Object Tree), and familiarity with common data structures within Dynamics AX. An understanding of basic XML and web service concepts will also be beneficial to maximize your learning experience in this AIF overview.

Q: How does mastering the AIF in Dynamics AX 2012 enhance my ability to design and implement robust enterprise integration solutions?

Mastering AIF provides you with the crucial skills to architect, develop, and deploy reliable integration solutions that extend the capabilities of Dynamics AX 2012. You'll gain proficiency in leveraging standardized frameworks for data exchange, ensuring data integrity, and establishing secure communication channels between Dynamics AX and other systems. This enables you to build scalable, maintainable, and error-resilient integrations, significantly contributing to the overall stability and efficiency of an enterprise's IT landscape by minimizing manual intervention and maximizing data consistency.

ABOUT COMPUTER PRIDE



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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+

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