

CRM Developer Environment for Dynamics 365

Course Level: 300

This instructor-led course provides a detailed understanding of the tools needed to be an effective developer in Microsoft Dynamics 365. Focused on Microsoft Visual Studio and the Dynamics 365 Software Development Kit (SDK), attendees will learn best practices necessary to build, validate, and secure their organization's development environment. Utilities and third party productivity tools will be reviewed and reinforced with hands on labs that help attendees establish the solid foundation needed to extend Microsoft Dynamics 365.



At A Glance: CRM Developer Environment for Dynamics 365

Why Enroll?

Train developers on the core skills necessary to develop within Dynamics 365 to extend the functionality.



Who to Enroll?

Developers – Customizers with Existing - Development Skills



Key Takeaways

Visual Studio; Environment Setup; Team Foundation Server (TFS) (Code); Dynamics 365 Software Development Kit (SDK), Productivity Tools; Infrastructure; Identity Management; Application Lifecycle Management



Register

Register for a CRM Developer Environment today!

[Click to Register.](#)

About this Training



Intended Audience

This training is intended for administrators, configurators, and developers who have completed the Citizen Developer training and desire to continue their technical education with Microsoft Dynamics 365. This course assumes working knowledge of skills outlined in the Citizen Developer training, as well introductory level understanding of application development and the skills associated. This course is designed to provide a deeper understanding of how to interact with Dynamics 365 as a developer and the tools that are used to extend Dynamics 365.



Recommended Prerequisites

Prerequisites are recommendations, and while not required, they are *highly* advised to ensure a successful learning experience:

- Visual Studio License or Free Trial - Visual Studio Community will work; some labs are impacted by not being able connect to TFS (*Required*)
- Completion of Dynamics 365 University's CRM Boot Camp or equivalent application experience
- Completion of Dynamics 365 University's CRM Citizen Developer Course
- Technical Understanding of Dynamics 365
- Development Skills

Key Takeaways

This Training Will Allow You To:

- Understand how Visual Studio is leveraged with Dynamics 365
- Understand navigation and use of Visual Studio
- Understand how to setup of Visual Studio to work with Dynamics 365
- Source Control, including Branching and Merging
- Understand the contents and use of the Software Development Kit (SDK)
- Understand the available Utilities and Tools
- Understand Infrastructure and Authentication
- Understand Application Lifecycle Management
- Understand Patch Management



DAY 1



DAY 2



DAY 3



DAY 4



DAY 5

VISUAL STUDIO 2015

Introduction

- Integrated Development Environment
- Solution Explorer
- Team Explorer
- Source Control Explorer

ENVIRONMENT SETUP

- Extensions
- NuGet
- Workspace
- Signing
- Build

TEAM FOUNDATION SERVER (CODE)

- Source Control
- My Work
- Check In\Check Out
- Commenting
- Branching
- Merge



DAY 1

DAY 2

DAY 3

DAY 4

DAY 5

DYNAMICS 365 SOFTWARE DEVELOPMENT KIT (SDK)

- Download and Installation
- Navigation
- Configuration of Extensions
- Assemblies
- Samples

PRODUCTIVITY TOOLS

- Plugin Registration
- Metadata Browser
- Configuration/Migration Utility
- Package Deployer
- XRM Toolbox
- SOAP Logger
- Plugin Profiler
- Ribbon Workbench
- SiteMap/App Designer

INFRASTRUCTURE

- Deployment
- On Premise
- Online
- Hosted
- Server Topology
- High Availability
- Capacity & Scalability

IDENTITY MANAGEMENT

- IFD/ADFS
- Azure AD
- OAuth
- Multi-Factor Authentication
- Server to Server Authentication



DAY 1

DAY 2

DAY 3

DAY 4

DAY 5

APPLICATION LIFECYCLE MANAGEMENT

- Environments
- Patch Management
- Unmanaged/Managed
- Code Check-In\Release

DYNAMICS 365 UNIVERSITY

Dynamics 365 University is designed to be **foundational training for those responsible for implementing and supporting Dynamics 365** within your organization. Dynamics 365 University focuses on out-of-the-box features and functionality **training for your core team**. Participants get an understanding of how the Dynamics 365 processes and architecture can be leveraged and customized to **support your unique organizational processes**.

GET STARTED