



# AXAPTA HUT DEV TIPS

## MS D365 Development certifications

---

I'll list here all the skills that will be measured on each exam according to Microsoft:

---

1. **MB2-715** - Customer Engagement Online deployment
  - [ExamURL: <http://bit.ly/2ENrEtX>]
2. **MB2-716** - Customization and Configuration
  - [ExamURL: <http://bit.ly/2C2f731>]
3. **MB6-894** - Development, Extensions and Deployment for MS D365
  - [ExamURL: <http://bit.ly/2E9zc9q>]

---

### DOCUMENT INDEX

<b>1. MB2-715: CUSTOMER ENGAGEMENT ONLINE DEPLOYMENT</b> .....	<b>2</b>
1.1 CREATE A CUSTOMER ORGANIZATIONAL STRUCTURE (25% - 30%) .....	2
1.2 ADMINISTER THE MS DYNAMICS 365 ENVIRONMENT (25% - 30%).....	2
1.3 INTEGRATE MS DYNAMICS WITH OTHER APPLICATIONS (20% - 25%) .....	2
1.4 MANAGE MS OUTLOOK AND MOBILE ENVIRONMENTS (25% - 30%) .....	3
<b>2. MB2-716 - CUSTOMIZATION AND CONFIGURATION</b> .....	<b>4</b>
2.1 CONFIGURE MS DYNAMICS 365 (20% - 25%).....	4
2.2 IMPLEMENT MS DYNAMICS 365 ENTITIES, ENTITY RELATIONSHIPS, AND FIELDS (20% - 25%) .....	4
2.3 CREATE AND MANAGE MS DYNAMICS 365 SOLUTIONS, FORMS, VIEWS, AND VISUALIZATIONS (25% - 30%) .....	5
2.4 IMPLEMENT BUSINESS RULES, WORKFLOWS, AND BUSINESS PROCESS FLOWS (20% - 25%) .....	5
<b>3. MB6-894 - DEVELOPMENT, EXTENSIONS AND DEPLOYMENT FOR MS DYNAMICS 365 FOR FINANCE AND OPERATIONS</b> .....	<b>6</b>
3.1 UNDERSTAND THE ARCHITECTURE AND DEVELOPMENT ENVIRONMENT (20-25%) .....	6
3.2 DEVELOP NEW ELEMENTS BY USING APPLICATION EXPLORER (20-25%).....	6
3.3 READ AND WRITE BASIC X++ (20-25%).....	6
3.4 MANAGE THE USER INTERFACE AND SECURITY FOR DEVELOPERS (20-25%) .....	7
3.5 DEVELOP AND EXTEND RETAIL COMPONENTS (15-20%) .....	7



# 1. MB2-715: Customer engagement Online deployment

## 1.1 Create a Customer Organizational Structure (25% - 30%)

### 1.1.1 Support the MS Dynamics 365 client environment

Validate minimum browser requirements for devices utilizing the web interface to access MS Dynamics 365, ensure client devices meet the minimum hardware specifications, support outlook integration by using Outlook or Outlook with Dynamics 365 App for Outlook installed, manage phone and tablet client environments.

### 1.1.2 Deploy MS Dynamics

Determine the proper edition of MS Dynamics 365 suited for the client; determine the proper pricing, packaging, and subscription model based on the needs of the organizational environment; create a deployment plan to meet organizational considerations.

### 1.1.3 Import data into the MS Dynamics 365 environment

Design a data import plan, import data through supported methodologies, upload data from on-premises to Azure, manage large volume migrations with the Data Loader service.

### 1.1.4 Manage the MS Dynamics 365 environment

Sign-up and cancel subscriptions, manage users, configure SSO and AD synchronization within hybrid environments with Active Directory Federation Services (ADFS), configure administrative access, assign roles.

## 1.2 Administer the MS Dynamics 365 Environment (25% - 30%)

### 1.2.1 Deploy instances

Deploy appropriate number and types of instances for designated environments, deploy sandbox and production instances, configure and edit instance properties.

### 1.2.2 Manage instances

Switch an instance, reset an instance, delete an instance, copy an instance, manage regions and multiple tenant environments, manage storage and resources, manage administrative email notifications.

### 1.2.3 Manage updates

Design a MS Dynamics 365 update policy; review, approve, and skip updates; schedule updates

## 1.3 Integrate MS Dynamics with Other Applications (20% - 25%)

### 1.3.1 Integrate MS Exchange, SharePoint, and OneDrive with MS Dynamics

Configure Exchange server synchronization for incoming and outgoing traffic, manage folder based tracking flows, manage SharePoint integration, enable OneDrive for Business, configure control access and folder structure for SharePoint

### 1.3.2 Integrate other MS Online Business Solutions with MS Dynamics



## Axapta HUT Dynamics AX Blog

Manage OneNote integration, manage MS Social Engagement integration, manage Yammer integration, manage workspace collaboration with Office 365 Groups, manage and configure Delve integration.

### 1.3.3 Integrate customized and third party applications with MS Dynamics

Configure and manage app modules, create customized function apps with App Designer, create site maps by using Design App Mapper, obtain access to additional apps through App Source and Power Apps.

## 1.4 Manage MS Outlook and Mobile Environments (25% - 30%)

### 1.4.1 Integrate MS Dynamics 365 with Outlook

Manage supported environments for MS Dynamics 365 for Outlook, deploy MS Dynamics 365 for Outlook through multiple methods, configure MS Dynamics 365 for Outlook to connect to multiple instances, configure synchronized fields, perform basic functions using the MS Dynamics 365 App for Outlook interface.

### 1.4.2 Manage and configure mobile apps for MS Dynamics 365

Configure MS Dynamics 365 for phones express and newer MS Dynamics 365 for Phones and Tablets, configure entities and security privileges, manage CRM forms and dashboards.



## 2. MB2-716 - Customization and Configuration

### 2.1 Configure MS Dynamics 365 (20% - 25%)

#### 2.1.1 Configure MS Dynamics 365 settings

Configure auditing, document management, and collaboration; configure administration settings; perform data management tasks; perform user management; implement themes

#### 2.1.2 Manage MS Dynamics 365 security

Identify security roles, define permissions and privileges, configure access levels, configure security roles, assign security roles, implement multiple security roles, manage access, implement the standard security model and hierarchy security, configure business units, manage teams

#### 2.1.3 Configure email services

Identify integration options, configure email server profiles and default organization email settings, enable server-side email synchronization, enable folder tracking, map exchange folders, set up and configure the CRM App for Outlook

#### 2.1.4 Integrate MS Dynamics 365 with other Office 365 offerings

Select the appropriate Office 365 group integration, create and configure Office 365 groups, integrate MS Dynamics 365 and SharePoint, enable linking to OneNote files, set up and configure OneNote integration, configure OneDrive integration

### 2.2 Implement MS Dynamics 365 entities, entity relationships, and fields (20% - 25%)

#### 2.2.1 Manage MS Dynamics 365 entities

Manage entity ownership, manage entity properties, configure system entities, describe activity entities, configure entity ownership and entity properties, implement managed properties, configure custom entities and security roles, delete entities

#### 2.2.2 Implement entity relationships

Define relationship types, create relationships, configure cascading rules, identify types of cascading behavior, work with hierarchical data, configure entity mapping, create connections and connection roles

#### 2.2.3 Define and configure MS Dynamics 365 fields

Identify field types, define field naming requirements, configure field properties and field display formats, implement option sets and two option fields, configure lookup fields and customer fields

#### 2.2.4 Configure field customizations

Configure fields, configure field properties, use calculated fields, use rollup fields, configure global option sets, create alternate keys, configure field security and security roles, use status and status reasons, identify status reason transitions



### 2.3 Create and manage MS Dynamics 365 solutions, forms, views, and visualizations (25% - 30%)

#### 2.3.1 Create and manage MS Dynamics 365 solutions

Recommend usage patterns for MS Dynamics 365 solutions, identify solution components, identify solution types, create managed and unmanaged solutions, configure publishers and versions, manage multiple solutions, import and export solutions

#### 2.3.2 Customize MS Dynamics 365 forms

Identify MS Dynamics 365 form types, build a form, use specialized form components, implement access teams and subgrids, create editable grids, work with navigation, use multiple forms

#### 2.3.3 Implement MS Dynamics 365 views and visualizations

Identify view types; create, modify, manage, and delete views; customize views; create system and personal charts; identify chart types that can be combined; use available series aggregation types; customize charts; import and export charts; create dashboards and dashboard components; customize dashboards; control access to dashboards

#### 2.3.4 Configure MS Dynamics 365 for mobile devices

Deploy the mobile client, identify available entities for the mobile client, configure mobile navigation, design mobile form layout, create custom controls, hide mobile form content, create multiple forms, create mobile views and activity lists

### 2.4 Implement business rules, workflows, and business process flows (20% - 25%)

#### 2.4.1 Implement and manage business rules

Determine when to use business rules; describe business rule scopes; identify actions that trigger business rules; configure business rules, conditions, and actions

#### 2.4.1 Implement and manage workflows, dialogs, and custom actions

Implement workflows; identify workflow types; implement dialogs and custom actions; identify when to use business process flows, workflow dialogs, and custom actions

#### 2.4.2 Implement and manage business process flows

Identify business flow components; enable business process flows; implement steps, stages, and categories; implement flows that use multiple entities; use conditional branching; implement role-driven business process flows; run workflows



## 3. MB6-894 - Development, Extensions and Deployment for MS Dynamics 365 for Finance and Operations

### 3.1 Understand the architecture and development environment (20-25%)

#### 3.1.1 Describe the MS Dynamics 365 for Finance and Operations architecture

Describe the development environment; describe the components in the application stack; identify cloud architecture components; explain the server architecture; describe the layer architecture

#### 3.1.1 Describe the MS Dynamics 365 for Retail architecture

Identify components of the retail solutions and their purpose; Describe differences and uses for the Retail Server and the Retail Store Scale Unit (RSSU); Describe hardware components; Describe and create components for the Modern Point of Sale (MPOS) and the Cloud Point of Sale (Cloud POS)

#### 3.1.2 Manage development with MS Visual Studio and Lifecycle Services (LCS)

Identify the windows and basic navigation of Visual Studio; describe differences between and uses for projects, models, solutions, and packages; describe and perform the build process; describe the features of LCS; use LCS to deploy hotfixes, manage assets, and complete the build process

### 3.2 Develop new elements by using Application Explorer (20-25%)

#### 3.2.1 Create and manage labels and resources

Create new label files; create and use labels; describe elements and uses for labels; identify best practices for labels; identify uses for resources

#### 3.2.2 Create and manage data types

Describe uses for base enumerations; create new base enumerations; identify best practices for base enumerations; describe primitive and extended data types; create new extended data types; identify key properties for extended data types; implement best practices for extended data types

#### 3.2.3 Create and manage tables

Identify the components of a table; describe various types of table relationships; describe various types of table indexes; implement best practices for tables, relationships, and indexes

### 3.3 Read and Write Basic X++ (20-25%)

#### 3.3.1 Describe the X++ environment

Identify the characteristics of X++; use the code editor to write X++; describe the features of IntelliSense; identify basic syntax for X++; describe the use of common key words in X++; describe the features of the debugger; use the comparison tool; use the best practice checker



### 3.3.2 Work with X++ control statements

Work with variables, operators, conditional statements, and loops; use built-in functions; use communication tools

### 3.3.3 Work with classes

Create new classes; describe scoping events and parameters; describe inheritance; identify key best practices when writing X++

### 3.3.4 Manipulate data with X++

Identify techniques for data retrieval; explain uses for transaction integrity checking; insert, update, and delete records using X++; identify best practices for manipulating data with X++

### 3.3.5 Manage exceptions in X++

Identify exception types; use try/catch statements; describe the features of optimistic concurrency control; describe best practices for exception handling with X++

## 3.4 Manage the User Interface and Security for Developers (20-25%)

### 3.4.1 Manage the user interface

Identify components of various form patterns; identify common form patterns and sub patterns; identify key properties for form elements; apply and validate form patterns; describe uses for tiles; describe how to join data in forms; implement best practices for form development

### 3.4.2 Manage the user navigation

Identify types of menu items; create menu items and menus; identify key properties for menu items; describe uses for menu items; implement best practices for menus and menu items

### 3.4.3 Manage security in the development environment

Describe the security architecture; describe the components of role-based security; create new privileges, duties, and roles in the application explorer; describe the extensible data security framework

## 3.5 Develop and extend retail components (15-20%)

### 3.5.1 Modify retail components

Describe the components of the Commerce Runtime (CRT) and how to extend the CRT; describe the components of the Commerce Data Exchange (CDX) and how to extend the CDX; Identify components of the retail architecture that can be extended; Describe how to extend various components of the retail architecture.

### 3.5.2 Deploy retail modifications

Describe how to package and deploy retail modifications into a source environment; review and apply retail hot fixes; create and deploy packages for retail; resolve conflicts and rebuild packages



### 3.5.3 Monitor retail components

Identify, use and extend diagnostics and monitoring tools for retail components; Identify, setup, and monitor data distribution and offline databases; Understand hot, warm, and cold paths for diagnostics and monitoring; Use events logs, and LCS to monitor and diagnose issues with retail components