

# DAX Development

## TRAINING CURRICULUM

Dynamics Resources provides customized training plans to fit your organization.  
Our Certified Trainers travel onsite to deliver hands-on training for your Dynamics AX Audience.

**DYNAMICS AX 2012**

# DAX Development

## Training Curriculum

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### INTRODUCTION TO DEVELOPMENT

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- 1.2 Architecture
- 1.2 AOT
- 1.3 Layers
- 1.4 Models
- 1.5 Projects
- 1.6 X++
- 1.7 Objects naming convention

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### DATA MIGRATION

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- 2.1 DIF
- 2.2 Excel Add-In
- 2.3 Rapid Start
- 2.4 Custom Excel Importation
- 2.5 Data Migration using the Business connector and custom scripts

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### CUSTOMIZATION

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#### 3.1. Forms

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- Locate an existing form to customize
- Adding existing fields in a table to its form
- Display methods
- How to create a new form
- Open a child form to display related data

# DAX Development

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### 3.2 Reports (OLTP SSRS embedded in AX)

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- Main concepts
  - Data source
  - Parameters (Data contract classes, Queries)
  - Controller Class
  - User interface
  - Report design
- Customizing an existing report
  - Modify business logic
  - Add a parameter
  - Add a new field
- Creating a new report
- Common features
  - Validate parameters
  - Run a report based on a selected record on a grid
  - Customize parameters form using a UIBuilder class, override lookups and other events

### 3.3 Role based security

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- Overview of concepts
  - Roles
  - Process cycles
  - Duties
  - Segregation of duties
  - Privileges
  - Extensible data policies
- Examples
  - Creating a custom role based on an existing role
  - Grant access to a report and deny access to another
  - Record level security using extensible data policies
  - Field level security
  - Segregation of duties rules

### 3.4 MorphX

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- Common development tools:
  - Compare tool
  - Cross-reference tool
  - Code profiler
  - Trace parser
  - Debugger

### 3.5 Enterprise Portal and Role Centers

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- Overview
- Examples
  - Modifying a page
  - Creating a Cue
  - Adding a web part and display the new Cue in a Role Centers page
  - Creating a new user control
  - Adding a new page to the navigation

### 3.6. Workflows

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- Workflow overview
- Workflow creation and configuration
- Develop a workflow

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### 4

#### INTEGRATIONS

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Overview services, components and different approaches.

##### 4.1. AIF

- Create a new document service using the wizard, implementing CRUD
- Sample of CRUD from Visual Studio

##### 4.2 Custom Document Services

- Create a custom service
- Consume the service from Visual Studio  
(Create, Read, Update, Delete)

### 5

#### BI

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##### 5.1 Out-of-Box Cubes

##### 5.2 Custom Cubes

- Create a new cube

##### 5.3. SQL Server New BI Features

##### 5.4. MDM