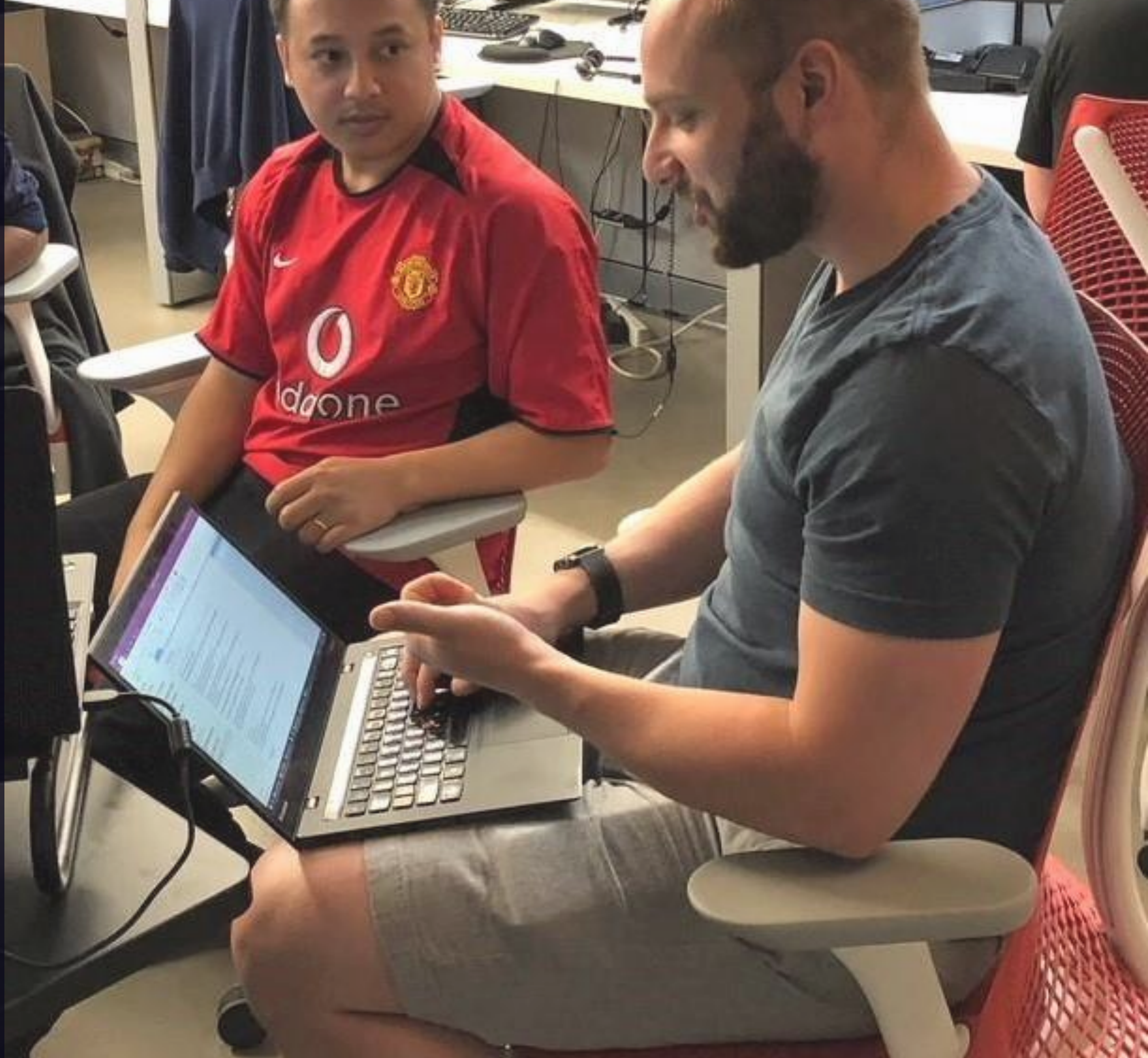


# PowerApps, Flow, and CDS for Dynamics 365

Course Level: 200

This instructor-led course provides Dynamics 365 administrators and customizers with key knowledge surrounding PowerApps and how to leverage them to improve business processes. This course will explore the Common Data Service and integration capabilities as well as the planning, creation, deployment, and management of new PowerApps into a Dynamics 365 environment.



# At a Glance: PowerApps for Dynamics 365

## Why Enroll?

Learn to create, deploy, and manage PowerApps to improve business processes connected to Dynamics 365



## Who to Enroll?

System Administrators -  
Application Administrators -  
Customizers -



## Key Takeaways

Common Data Service (CDS),  
PowerApps, Flow, Power Query,  
Canvas and Model-Driven PowerApps,  
Web & Mobile Apps, App  
Administration



## Enroll Now

Get started by enrolling online  
in a class today!

[Click to enroll.](#)

# About this Training



## Intended Audience

This course is designed to support individuals who will be managing the deployment of customizations in Dynamics 365 including administrators, system customizers, and developers. This course is not recommended for end users.



## Recommended Prerequisites

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

- Comfortable with the navigation within Dynamics 365
- Dynamics 365 University Boot Camp:
  - CRM Boot Camp for Dynamics 365
  - OR --
  - Core User Boot Camp for Finance and Operations

# Key Takeaways

## This Training Will Allow You To:

- Gain an understanding of the Common Data Service (CDS) and integration capabilities Dynamics 365, as well as a variety of other data sources
- Learn to craft Canvas and Model-driven PowerApps and instantly publish to web and mobile users
- Extend your integration and automation capabilities with Microsoft Flow
- Leverage Power Query for building transformations, analytics, and robust queries for Power BI
- Deep dive into managing an environments' deployment, portal administration, and ALM
- Overview of roadmap and direction of Dynamics 365's development
- Build an app in a day



DAY 1



DAY 2



DAY 3



DAY 4



DAY 5

## INTRODUCTION TO CDS & POWERAPPS

### Introduction

- Create Trial
- Overview of Biz Apps
- Scenarios and Use Cases
- PowerApps Lifecycle
- Admin Centers

### Introduction to CDS

- CDS Defined
- Creating CDS Environments

- CDS Environment Administration
- Entities
- Connections

### Introduction to PowerApps

- Design Modes
  - Canvas Apps
  - Model-Driven apps
- Navigation Tour
- Core Design Concepts
  - Forms

- Galleries
- Pages
- Expressions
- Controls
- Properties
- Rules
- Functions

- View, Create, Update, Delete
- Filtering, Sorting, Grouping
- Notifications
- Calling a Flow
- Getting User Information

*Agenda is tentative and subject to changes based upon learner comprehension, instructor's discretion, and other factors. Order, pace, content, and timeline subject to change.*

©2018 PowerObjects, An HCL Technologies Company. All rights reserved. Unauthorized use prohibited.



DAY 1

DAY 2

DAY 3

DAY 4

DAY 5

## MICROSOFT FLOW

### Overview

- Scenarios and Value Proposition
- Flow vs Dynamics Workflows vs. Logic Apps
- Templates

### Designer

- Navigation Tour
- Data Connectors and Services

### Flow Logic

### Creating Flows

- From a Template vs. From Scratch
- Button Flows
- Team Flows

### Monitoring & Managing Flows

### Custom Data Connectors

### Mobile App

### On-Premises Data Gateway

### Integration with Dynamics

### Calling Azure Functions

### Flow Runtime Analysis

## ADVANCED POWERAPPS

### Additional controls

- Editable Grids
- Composite Controls
- Barcode, App, Compass, Connection, Location (GPS), SMS, Call, Email
- Camera/Video, Microphone, Pen Input

### PowerApps Charts

### Power BI

- Integration

- Analytics Administration
- Deployment
- ALM
- Monitoring / Analytics
- Security

### PowerShell Cmdlets

### AppSource Integration

*Agenda is tentative and subject to changes based upon learner comprehension, instructor's discretion, and other factors.  
Order, pace, content, and timeline subject to change.*

©2018 PowerObjects, An HCL Technologies Company. All rights reserved. Unauthorized use prohibited.



DAY 1

DAY 2

DAY 3

DAY 4

DAY 5

## ADVANCED CDS INTEGRATION

### Security Roles

### Plugins

### Workflows

### Virtual Entities

### Data Integration

- Dynamics 365 applications (CE, Sales, Fin/Ops, Field Service)
- Connection Sets
- Projects, Templates, and Executions

- Transformations and Filtering
- Incremental Execution
- Power Query

### Troubleshooting and performance monitoring

### Testing

### ALM



DAY 1



DAY 2



DAY 3



DAY 4



DAY 5

## BUILD AN APP IN A DAY

**Use Newly Learned Knowledge  
to Build a PowerApp in a Day**



# 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