

PL-400T00-A (MICROSOFT POWER PLATFORM DEVELOPER) 2022

Objetivo

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Público Alvo

Audience profile Candidates for this course design, develop, secure, and troubleshoot Power Platform solutions. Candidates implement components of a solution that include application enhancements, custom user experience, system integrations, data conversions, custom process automation, and custom visualizations. Candidates will gain applied knowledge of Power Platform services, including in-depth understanding of capabilities, boundaries, and constraints. Candidates should have development experience that includes JavaScript, JSON, TypeScript, C#, HTML, .NET, Microsoft Azure, Microsoft 365, RESTful Web Services, ASP.NET, and Power BI.

Pré-requisitos

Prerequisites Candidates should have an introductory knowledge of Power Platform Candidates should have development experience that includes JavaScript, JSON, TypeScript, C#, HTML, .NET, Microsoft Azure, Microsoft 365, RESTful Web Services, ASP.NET, and Power BI

Carga Horária

40 horas (5 dias).

Conteúdo Programático

COURSE OUTLINE

Module 1: Create a canvas app in Power Apps

Do you want to create apps to help make your business more efficient? Then this path is for you. It introduces you to Power Apps, helps you create and customize an app, and then manage and distribute it.

- Get started with Power Apps canvas apps
- Customize a canvas app in Power Apps
- How to build the UI in a canvas app in Power Apps
- Navigation in a canvas app in Power Apps
- Manage apps in Power Apps
- Build a mobile-optimized app from Power Apps

Module 2: Create a model-driven application in Power Apps

This learning path introduces you to creating a model-driven app in Power Apps that uses Dataverse.

- How to build your first model-driven app with Dataverse
- Create tables in Dataverse
- Get started with model-driven apps in Power Apps
- Configure forms, charts, and dashboards in model-driven apps

Module 3: Work with Microsoft Power Platform tenants, environments, subscriptions, and Dynamics 365 apps

Create, design, and administer Microsoft Power Platform tenants and instances including planning for multi-instance deployments, managing authentication methods, managing updates, backup and restore instances, install and manage Microsoft Dynamics 365 clients for end-users, and authorizing access to different features for all users in the organization.

- Manage Microsoft Power Platform deployments
- Administer Microsoft Power Platform subscriptions

Module 4: Automate a business process using Power Automate

This learning path introduces you to Power Automate, teaches you how to build workflows, and how to administer flows.

- Get started with Power Automate
- Build approval flows with Power Automate
- Build flows to manage user information
- Power Automate's deep integration across multiple data sources
- Use the Admin center to manage environments and data policies in Power Automate
- Use AI Builder in Power Automate
- Optimize your business process with process advisor

Module 5: Create and use analytics reports with Power BI

This learning path introduces you to Power BI, and teaches you to use and build business intelligence reports.

- Get started building with Power BI
- Get data with Power BI Desktop
- Model data in Power BI
- Use visuals in Power BI
- Explore data in Power BI
- Publish and share in Power BI

Module 6: Integrate with Microsoft Power Platform and Dataverse

Integrate with Dataverse using code by learning about Dataverse API. Get an in-depth overview of options available with Dataverse to integrate data and events to Azure.

- Work with Dataverse Web API
- Integrate Dataverse Azure solutions

Module 7: Create components with Power Apps Component Framework

Get started with Power Apps Component Framework with an introductory module on the core concepts and components. This is followed by modules that show you how to build a component and work with advanced Power

Apps Component Framework features.

- Get started with Power Apps component framework
- Build a Power Apps component
- Use advanced features with Power Apps component framework

Module 8: Administer Power Apps portals

Administrators need to understand how to configure various features and add-ons to ensure the portal runs securely and efficiently. Power Apps portals provides additional features and functionalities including integration with other Microsoft technologies such as SharePoint document libraries and Power BI reports. This learning path describes tools and techniques available for administrators to configure and maintain Power Apps portals, as well as efficiently troubleshoot the issues.

- Power Apps portals administration
- Integrate Power Apps portals with web-based technologies
- Authentication and user management in Power Apps portals
- Power Apps portals maintenance and troubleshooting

Module 9: Extend Power Apps portals

The ability to easily surface and interact with Microsoft Dataverse data on an externally facing web site is the core benefit for implementing a Power Apps portal. This learning path describes how to transform a content portal into a full web app interacting with Dataverse. We will also cover the options available to customizers and developers to extend the portal functionality and integrate with Office 365, Microsoft Power Platform, and Azure components.

- Access Dataverse in Power Apps portals
- Extend Power Apps portals
- Build custom Power Apps portals web templates