

Microsoft - Power Platform Administration Training

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Course Number: WA3658

Duration: 2 days

Overview

Course Description

This Power Platform course teaches learners how to manage and administer the Power Platform environment, including Power Apps, Power Automate, Power Virtual Agents, Power BI, Dataverse, and related components. Learners gain hands-on experience with the tools and features used for monitoring, configuring, securing, and optimizing Power Platform services. By the end of the course, learners confidently perform essential administrative tasks such as managing environments, applying data policies, ensuring security and compliance, and integrating with Dynamics 365 and other systems.

Skills Gained

- Understand the core components of Power Platform and the Power Platform Admin Center interface
- Configure and manage environments, environment groups, and data policies
- Implement security measures, such as tenant isolation and enterprise policies
- Monitor capacity, billing plans, and resources effectively using analytics

- Manage deployment pipelines, integration with Dynamics 365, Power Pages sites, and other services

Prerequisites

- Basic knowledge of Microsoft Power Platform (Power Apps, Power Automate, Power Virtual Agents, Power BI)
- Familiarity with cloud computing concepts and services
- Basic understanding of security principles and user management

Audience

Course Details

Introduction to Power Platform Administration

- Overview of Power Platform components (Power Apps, Power Automate, Power Virtual Agents, Power BI, Dataverse, Dynamics 365)
- Introduction to the Power Platform Admin Center interface
- Understanding the roles and responsibilities of a Power Platform admin
- Key terminology and concepts in Power Platform administration
- Overview of integration with Microsoft 365, Microsoft Entra, and Dynamics 365

Managing Environments and Environment Groups

- Creating, modifying, and deleting environments
- Understanding environment types and their use cases (Production, Sandbox, etc.)
- Organizing environments into environment groups
- Configuring environment settings (language, region, security)
- Managing environment security and user permissions

Power Platform Advisor and Security Management

- Introduction to the Power Platform Advisor for optimal configuration
- Implementing role-based access control (RBAC) within Power Platform
- Configuring user roles and permissions for Power Apps, Power Automate, and Power Virtual Agents
- Managing security settings for data retention, access, and customer lockbox
- Implementing enterprise-level policies and tenant isolation

Data Policies and Analytics

- Creating and managing data policies to govern data access and sharing
- Understanding data loss prevention (DLP) policies and applying them to connectors

- Utilizing Power Platform analytics for monitoring environment health and usage
- Managing Dataverse data policies and integration options
- Monitoring capacity and resource utilization using Power Platform analytics

Power Automate Administration

- Managing Power Automate flows and their configurations
- Monitoring and troubleshooting Power Automate flow executions
- Setting up alerts for flow failures and performance metrics
- Integration with other services (e.g., Dynamics 365, custom connectors)
- Best practices for scaling and optimizing Power Automate usage

Managing Power Apps and Power Pages Sites

- Creating and managing apps in Power Apps, including governance and sharing
- Monitoring usage and app performance through Power Platform analytics
- Configuring Power Pages sites and monitoring their usage
- Implementing security features for Power Apps and Power Pages
- Integrating Power Apps with Dataverse and external systems

Billing, Licenses, and Billing Plans

- Understanding Power Platform billing models and licensing options
- Managing licenses and assigning them to users
- Configuring billing plans based on organizational needs
- Reviewing and tracking Power Platform resource usage for billing purposes
- Best practices for managing and optimizing licensing costs

Capacity and Resource Management

- Understanding resource capacity within Power Platform
- Monitoring resource consumption and planning for scaling
- Managing file storage, database storage, and premium services
- Setting up alerts for exceeding capacity limits
- Configuring resource quotas and managing capacity effectively

Admin Centers and Integration with Microsoft 365

- Understanding different admin centers: Power Platform Admin Center, Microsoft 365 Admin Center, Microsoft Entra Admin Center
- Configuring settings and permissions across multiple admin centers
- Managing Power Platform services within the Microsoft 365 Admin Center

- Integrating Power Platform with Microsoft Entra for identity and access management
- Monitoring and troubleshooting services through multiple admin interfaces

Data Integration Features

- Configuring data integration between Power Platform and external systems
- Using the Data Integration features (preview) to import/export data between systems
- Managing data flows between Dataverse and other connected services
- Applying best practices for secure and efficient data integration
- Working with Power BI for data visualization and reporting in Power Platform

Copilot, Resources, and Help + Support

- Understanding the role of Copilot in Power Platform applications
- Managing resources, including AI Builder and custom connectors
- Accessing help, support, and community resources for troubleshooting
- Using the Power Platform help documentation for detailed guidance
- Submitting support requests and working with Microsoft support teams

Customer Lockbox and Enterprise Policies

- Configuring and managing Customer Lockbox for additional data security
- Understanding the concept of tenant isolation and applying it in practice
- Implementing enterprise policies for data access and security management
- Monitoring compliance with enterprise-level security policies
- Best practices for securing customer data and maintaining regulatory compliance

Dynamics 365 Apps and Catalogs

- Integrating Power Platform with Dynamics 365 applications
- Managing and configuring Dynamics 365 apps within Power Platform environments
- Working with catalogs to manage business solutions and templates
- Best practices for using Power Platform in conjunction with Dynamics 365
- Leveraging Power Automate to integrate with Dynamics 365 workflows and processes

Power Platform Deployment Pipeline

- Introduction to deployment pipelines and their role in managing app lifecycle
- Configuring and managing deployment pipelines for consistent app deployment
- Automating the deployment process across different environments (Dev, Test, Prod)
- Best practices for handling solution deployment, versioning, and rollback strategies