Sample Custom
Power Platform Classes
for
Private Group Training

Canvas vs. Model-Driven Power Apps Workshop (3 hours)

Power Automate Introduction & Integration (6 hours)

Power BI for Legacy Data Integration (18 hours)

Power BI Data Modeling and Reporting Workshop (18 hours)

Power Automate Workflow Optimization Workshop (18 hours)

Power Platform Bootcamp (30 hours)

Canvas vs. Model-Driven Power Apps Workshop (3 hours)

Delivery

3-hour session
Strategic workshop with architectural guidance and decision frameworks

Overview

This decision-focused session helps IT architects and project leads understand when to choose Canvas vs. Model-Driven Apps. Participants explore architecture differences, licensing implications, and governance considerations to make informed platform decisions.

Course Outline

Power Apps Architecture Comparison

- Canvas Apps: use cases, user experience design, and complexity considerations
- Model-Driven Apps: data-driven scenarios and enterprise application patterns
- Technical architecture differences and development approaches

Data Model and Integration Considerations

- Understanding data requirements for each app type
- Integration capabilities and connector limitations
- Performance and scalability implications

Business and Licensing Factors

- Cost implications and licensing models for different app types
- User adoption considerations and training requirements
- Long-term maintenance and extensibility planning

Governance and Decision Framework

- Application lifecycle management for different app types
- Security roles, permissions, and compliance considerations
- Real-world decision scenarios and structured evaluation criteria

Power Automate Introduction & Integration (6 hours)

Delivery

6-hour session
Hands-on training with practical flow development exercises

Overview

A comprehensive beginner's guide to creating Power Automate flows and integrating them with Power Apps and Teams. This course provides complete coverage of connectors, logic structures, and approval workflows for new automation developers.

Course Outline

Power Automate Fundamentals

- Overview of cloud flow types: automated, instant, and scheduled flows
- Understanding the Power Automate interface and flow design principles
- Exploring core connectors including SharePoint, Outlook, Teams, and Forms

Flow Development and Logic

- Creating flows from templates and building custom flows from scratch
- Implementing conditions, switches, and boolean logic for decision-making
- Managing flow parameters and dynamic content for flexible automation

Integration and Collaboration

- Embedding flows into Canvas Apps for seamless user experiences
- Building approval workflows with comments and escalation paths
- Testing flows and managing connections across different environments

Best Practices and Deployment

- Error handling techniques and flow reliability considerations
- Documentation and naming conventions for maintainable flows
- Security considerations and permission management for production deployment

Power BI for Legacy Data Integration (18 hours)

Delivery

18-hour program (delivered as 3 six-hour days)
Intensive hands-on training with real-world legacy data scenarios

Overview

Equip analysts and data professionals with advanced skills to handle irregular, semi-structured, and legacy data formats using Power BI and Power Query. This course emphasizes transforming inconsistent raw data into structured, visualization-ready datasets.

Course Outline

Day 1: Power BI Foundations and Query Fundamentals

- Comprehensive Power BI interface and workspace navigation
- Importing diverse data formats including text, CSV, and fixed-width files
- Power Query Editor mastery: navigation, applied steps, and query properties
- Essential transformations including filters, splits, merges, and data cleaning
- Understanding data load processes and managing query dependencies

Day 2: Advanced Power Query Techniques for Complex Data

- Handling irregular data structures including column shifts and multi-line headers
- Creating sophisticated custom columns using M expressions and advanced logic
- Implementing conditional logic and complex filtering for data quality
- Using parameters and query chaining for scalable data processing solutions
- Error management strategies and building reusable transformation templates

Day 3: Hands-On Integration Laboratory

- Real-world legacy data integration using provided or anonymized client examples
- Shaping irregular data into structured, relational models for analysis
- Creating compelling report visuals with key performance metrics
- Quality assurance walkthrough and Power BI service publishing procedures

Power BI Data Modeling and Reporting Workshop (18 hours)

Delivery

18-hour program (delivered as 3 six-hour days)
Advanced training focused on scalable data modeling and enterprise reporting

Overview

Master data modeling for scalability and reporting consistency in Power BI. Participants learn to structure business processes as effective data models and apply DAX for sophisticated analytical insights and enterprise-grade reporting solutions.

Course Outline

Day 1: Dimensional Modeling and Architecture

- Star vs. snowflake schema design principles and model anatomy
- Fact vs. dimension table structures and surrogate key implementation
- Building role-playing dimensions for complex business scenarios
- Business process mapping to optimal data structure design
- Power BI relationships, cardinality, and performance optimization

Day 2: Advanced Model Design and Optimization

- Data granularity decisions and normalization vs. denormalization strategies
- Creating calculated columns, sophisticated measures, and hierarchical structures
- Advanced relationship scenarios including inactive joins and many-to-many patterns
- Leveraging modeling view for visual, diagram-driven design approaches
- Building composite models and implementing dataflows for enterprise scenarios

Day 3: Reporting Excellence and Performance

- Structuring visuals around clean, optimized data models
- Advanced DAX for KPI development: time intelligence, conditional flags, and ratio metrics
- Page design strategies for executive dashboards and operational reporting
- Testing methodologies, validation processes, and performance optimization techniques

Power Automate Workflow Optimization Workshop (18 hours)

Delivery

18-hour program (delivered as 3 six-hour days)
Advanced workshop for improving existing automation workflows

Overview

Designed for mid-level users ready to enhance real-world workflows. Participants analyze, refactor, and optimize existing flows using industry best practices for structure, error handling, maintainability, and enterprise deployment readiness.

Course Outline

Day 1: Workflow Analysis and Diagnostic Techniques

- Understanding trigger behavior, connector limitations, and performance bottlenecks
- Utilizing run history, scope actions, and compose/debug outputs for troubleshooting
- Root cause analysis of problematic flows using real-world examples
- Version control strategies and change management for production flows

Day 2: Refactoring for Reliability and Maintainability

- Restructuring flows with clean architecture and clear naming conventions
- Building sophisticated dynamic approvals, delays, and escalation workflows
- Implementing robust error handling with Try/Catch patterns and parallel branches
- Converting sequential flows to modular, reusable flows with child logic components

Day 3: Enterprise Deployment and Governance

- Working with variables, loops, and parallelism for complex business logic
- Comprehensive testing methodologies and flow behavior documentation
- Setting up monitoring, alerting, and audit mechanisms for production environments
- Flow governance frameworks and best practices for team handoff procedures

Power Platform Bootcamp (30 hours)

Delivery

30-hour intensive program (delivered as 5 six-hour days)
Comprehensive bootcamp covering Canvas Apps, Power Automate, and Power BI

Overview

This immersive cross-platform course builds foundational and practical skills across the entire Power Platform ecosystem. Designed to accelerate organizational adoption and prepare teams to deploy production-ready applications, workflows, and analytical dashboards.

Course Outline

Day 1: Platform Architecture and Canvas Apps Fundamentals

- Comprehensive Power Platform architecture including environments and connectors
- Canvas App foundations: controls, screens, layouts, and user experience design
- Building multi-screen, form-based applications with professional user interfaces
- Introduction to responsive design principles and accessibility considerations

Day 2: Power Fx and Intermediate Canvas App Development

- Power Fx formula mastery: navigation, lookup, patch, reset, and data manipulation
- Advanced UI design techniques for responsiveness and professional appearance
- Data source integration including SharePoint and Dataverse fundamentals
- Performance optimization and user experience enhancement strategies

Day 3: Power Automate Integration and Workflow Development

- Embedding sophisticated flows into Canvas Apps for seamless automation
- Building complex approval chains and data validation workflows
- Managing flow connections, permissions, and security considerations
- Integration patterns for connecting multiple systems and data sources

Day 4: Power BI Foundations and Data Visualization

- Connecting Power BI to SharePoint, Dataverse, and other Power Platform services
- Building analytical models from app-collected data and automated workflows
- Creating live, interactive dashboards tied to business process workflows
- Advanced visualization techniques and dashboard design principles

Day 5: Governance, Deployment, and Capstone Project

- Application lifecycle management from development to production deployment
- Environment security, advanced permissioning, and enterprise data policies
- Solution packaging and ALM (Application Lifecycle Management) best practices
- Final team project presentations demonstrating integrated Power Platform solutions

---