Exam PL-900: Microsoft Power Platform Fundamentals
– Skills Measured

This exam will be updated on May 7, 2020. Following the current exam guide, we have included a version of the exam guide with Track Changes set to “On,” showing the changes that will be made to the exam on that date.

Audience Profile

Candidates for this exam are users who aspire to improve productivity by automating business processes, analyzing data to produce business insights, and acting more effectively by creating simple app experiences.

Skills Measured

NOTE: The bullets that appear below each of the skills measured are intended to illustrate how we are assessing that skill. This list is not definitive or exhaustive.

NOTE: In most cases, exams do NOT cover preview features, and some features will only be added to an exam when they are GA (General Availability).

Understand the business value of Power Platform (20-25%)

Describe the value of Power Platform applications

- analyze data by using Power BI
- act with Microsoft Flow
- build solutions that use Common Data Service (CDS)
- automate with Power Automate
- interoperate with external systems and data

Describe the value of connecting business solutions

- Dynamics 365
- Microsoft 365
- Microsoft Azure
- third-party services and apps

Understand Power Platform administration and security

- understand how Power Platform implements security
- understand Power Platform as a service
- describe how to manage apps and users
- describe admin centers
- understand how the platform supports compliance

**Understand the Core Components of Power Platform (25-30%)**

**Understand Common Data Services**
- user experience vs unique job role using Power Apps
- identify entities, fields, and relationships
- describe environments
- describe use cases and limitations of business process flows
- describe use cases and limitations of business rules
- describe the Common Data Model (CDM)
- identify common standard entities

**Understand Connectors**
- describe uses for and types of triggers
- describe actions
- describe connectors
- identify use cases for custom connectors

**Understand AI Builder**
- identify the business value of AI Builder
- describe models
- consumption by the Power Platform

**Demonstrate the business value of Power BI (15-20%)**

**Understand common components in Power BI**
- identify and describe uses for visualization controls
- describe types of filters
- describe Tabs
- custom visuals
- compare and contrast dashboards and workspaces
- compare and contrast Power BI Desktop and Power BI Service

**Connect to and consume data**
- combine multiple data sources
• clean and transform data
• describe and implement aggregate functions
• identify available types of data sources
• describe and consume Content packs

**Build a basic dashboard using Power BI**

• design a Power BI dashboard
• design data layout and mapping
• publish and share reports and dashboards

**Demonstrate the business value of Power Apps (15-20%)**

**Understand common components in Power Apps**

• describe canvas apps
• describe model-driven apps
• identify and describe controls
• understand uses for templates
• understand use cases for formulas

**Build a basic canvas app**

• connect to data
• use controls to design the user experience
• describe the customer journey
• publish and share an app

**Understand Power Apps portals**

• describe use case for and the business value of portals
• describe how to extend CDS data, use controls, and embed Power BI objects

**Demonstrate the business value of Microsoft Flow (15-20%)**

**Understand the common components of Microsoft Flow**

• flow types
• templates
• connectors
• triggers
• conditions
• expressions
Build a basic flow

- create a business process flow
- implement a Microsoft Flow template
- modify a flow
- run a flow
- export a flow to Logic Apps

The exam guide below shows the changes that will be implemented on May 7, 2020.

Audience Profile

Candidates for this exam are users who aspire to improve productivity by understanding the capabilities of the Power Platform, automating basic business processes with Power Automate, performing basic data analysis with Power BI to produce business insights, analyzing data to produce business insights, and acting more effectively by creating simple app Power Apps canvas app experiences, and creating powerful chatbots without using code.

Skills Measured

NOTE: The bullets that appear below each of the skills measured are intended to illustrate how we are assessing that skill. This list is not definitive or exhaustive.

NOTE: In most cases, exams do NOT cover preview features, and some features will only be added to an exam when they are GA (General Availability).

Describe Understand the business value of Power Platform (20-25%)

Describe the value of Power Platform applications

- analyze data by using Power BI
- act with Power Apps
- build solutions that use Common Data Service (CDS)
- automate with Microsoft FlowPower Automate
- interoperate with external systems and data
- create powerful chatbots using a guided, no-code graphical interface

Describe the value of connecting business solutions

- Connect to Dynamics 365
- Connect to Microsoft 365
- Connect to Microsoft Azure
- Connect to third-party services and apps
**Describe Understand** Power Platform administration and security

- *describe Understand* how Power Platform implements security
- *describe Understand* Power Platform as a service
- describe how to manage apps and users
- *identify describe* admin centers
- *describe Understand* how the platform supports compliance

**Identify Understand** the Core Components of Power Platform (25-30 | 15-20%)

**Describe Understand** Common Data Services

- *user Describe the Power Apps user experience vs unique job role using Power Apps*
- identify entities, fields, and relationships
- describe environments
- describe use cases and limitations of Business process flows
- describe use cases and limitations of business rules
- describe the Common Data Model (CDM)
- identify common standard entities

**Describe Understand** Connectors

- describe uses for and types of triggers
- describe actions
- describe connectors
- identify use cases for custom connectors

**Describe Understand** AI Builder

- identify the business value of AI Builder
- describe models
- *describe how the Power Platform can consume AI Builder data consumption by the Power Platform*

**Describe-Demonstrate** the business value of Power BI (45-20 | 15%

**Identify Understand** common Power BI components in Power BI

- identify and describe uses for visualization controls
- describe types of filters
- describe Tabs
• **describe uses for custom visuals**
• compare and contrast dashboards and workspaces
• compare and contrast Power BI Desktop and Power BI Service

**Connect to and consume data**

• combine multiple data sources
• clean and transform data
• describe and implement aggregate functions
• identify available types of data sources
• describe and consume shared datasets and template apps Content packs

**Build a basic dashboard using Power BI**

• design a Power BI dashboard
• design data layout and mapping
• publish and share reports and dashboards

**Describe-Demonstrate** the business value of Power Apps (15-20%)

**Identify-Understand** common **Power Apps** components in Power Apps

• describe canvas apps
• describe model-driven apps
• identify and describe controls
• understand uses for templates
• understand use cases for formulas

**Build a basic canvas app**

• connect to data
• use controls to design the user experience
• describe the customer journey
• publish and share an app

**Describe Understand** Power Apps portals

• describe use cases for and the business value of portals
• describe how to extend CDS data, use controls, and embed Power BI objects
• create a portal by using a template
• apply a theme to a portal
• create a simple Common Data Service database
• add controls, portal components, and sections to a page and map controls to the database
• embed Power BI objects
• publish and share a portal
• manage a portal

**Describe-Demonstrate the business value of Power Automate Microsoft Flow (15-20%)**

**Identify-Understand the common Power Automate components of Microsoft Flow**

• Identify Flow types
  • templates
• describe use cases for and available templates
• describe Connectors
• describe Triggers
• describe Conditions
• describe Expressions
• describe Approvals

Build a basic flow

• create a business process flow
• implement a Power Automate Microsoft Flow template
• modify a flow
• run a flow
• export a flow to Logic Apps

**Demonstrate the business value of Power Virtual Agents (10-15%)**

**Identify common Power Virtual Agents components**

• describe topics
• describe entities
• describe actions

Build and publish a basic bot

• create a bot
• create a topic
• author core topics
• call an action
• test a bot
• publish a bot
• monitor bot usage
• monitor bot performance