

# **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

- approvals

### **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 Flow~~ [Power 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](#) ~~T~~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 (25-3015-20%)

### 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 (15-2010-15%)

### 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~~ 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-F](#)low types
- ~~templates~~
- [describe use cases for and available templates](#)
- [describe C](#)onnectors
- [describe T](#)riggers
- [describe C](#)onditions
- [describe E](#)xpressions
- [describe A](#)pprovals

### **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](#)