

Magento 2 Certified Pro Order Management Developer

Exam Study Guide



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Introduction

The Magento 2 Certified Order Management Developer exam, a primarily scenario-based exam, is designed to validate the skills and knowledge needed to understand and successfully deploy Magento Order Management with focus on integration and the ability to properly leverage the Magento Commerce Connector.

The developer is also responsible for all integrations of data between Magento Order Management and third-party tools such as ERPs, payment gateways, and shipping providers using the Magento Order Management API; and for installing and extending the Magento Commerce Connector to meet the requirements of each client. The developer has a deep understanding of Magento Commerce as well as API-based integration.

This exam is for Magento 2 Commerce developers with 6 to 12 months of experience working with Magento and Magento Order Management and/or one to two order management projects.

The test is built for version 2.3.x of Magento Commerce.

By passing this exam the test participant will earn the Magento 2 Certified Order Management Developer credential.

About the Exam

- 60 multiple-choice items
- 90 minutes to complete the exam
- A score of 67% or higher is needed to pass the Magento 2 Certified Order Management Developer exam
- Based on Magento Commerce (2.3.x), but applicable to those using any version of Magento 2

Prerequisites and Resources

This exam is for Magento 2 Commerce developers with 6 to 12 months experience of working with Magento and Magento Order Management and/or one to two Order Management projects.

Recommended Prerequisites

- We recommend taking the Magento Order Management for Developer course
- Hands-on experience integrating various systems into Magento Commerce, as well as customizing the application
- Experience working on a Magento Commerce deployment
- Knowledge of API integration
- Knowledge of Git and Git repositories
- Magento 2 Certified Solution Specialist and Magento 2 Certified Associate Developer certification credential or equivalent experience

Resources

- No hard-copy or online materials may be referenced during the exam

Exam topics and the percentage covered in the test:

- | | |
|--|-----|
| • Magento Order Management functionality | 7% |
| • Integration flow | 7% |
| • Plans and environments | 5% |
| • Integrations | 23% |
| • Troubleshooting | 10% |
| • Magento Commerce Connector | 18% |
| • Magento Order Management knowledge | 13% |
| • Connector | 12% |
| • Deployment process | 5% |

Topics and Objectives

1 Magento Order Management Functionality

1.1 Demonstrate ability to use the Magento Order Management API

- What is the Magento Order Management API used for?
- Which protocol is the Magento Order Management API using to the external system?
- What kind of messages is the Magento Order Management API using?

1.2 Given a scenario, determine which values are needed to register your application

1.3 Understand the difference between sync and async messages

2 Integration Flow

2.1 Demonstrate ability to determine the current flows to be integrated between Magento Order Management and Magento Commerce

2.2 Identify the actions needed based on messaging within the integration flow

- Which message will Magento Order Management receive to create orders?
- Which message will Magento Order Management deliver to update Magento Commerce orders?
- Which message will Magento Order Management deliver to create a shipment in Magento Commerce?
- Which message will Magento Order Management receive to authorize a payment?
- What are the actions needed around these messages?

3 Plans and Environment

3.1 Demonstrate ability to create a tunnel between the local environment and Magento Order Management

3.2 Demonstrate ability to access the local environment

Magento Order Management pricing: License fees for Core Magento Order Management and Store Fulfillment, Onboarding fee + TAM support, Services Offerings (as needed)

3.3 Determine pre-production and production environments

Overview of Magento Order Management pre-production and production environments (for example, what is included, hosting regions and architecture)

4 Integrations

4.1 Demonstrate ability to design an integration

- Integration overview and review of system architecture diagram
- Best practices for integrating with Magento Order Management
- If you want to receive the shipment-request from Magento Order Management what integration should be designed?
- If you want to receive a payment notification from Magento Order Management what integration should be designed?

4.2 Determine the actions needed for an integration based on messaging

- If you are receiving payment notifications which message should you expect?
- If you are receiving shipment notifications which message should you expect?
- If you are sending information about shipments which message will you send to Magento Order Management to notify that a shipment was canceled or shipped?
- Which message does Magento Commerce receive from Magento Order Management?
- Which message does Magento Order Management use to update inventory from sources?
- `magento.inventory.aggregate_stock_management.updated`: What is it used for? Which integration is it receiving? What information should the message `lines_shipped` include?

4.3 Determine how to register integrations properly with Magento Order Management

4.4 Determine how to integrate inventory sources with Magento Order Management

Types of inventory integrations (delta, nonzero, full) and strategies (adjustment, snapshot, etc.)

4.5 Demonstrate knowledge of sales channel integrations

- Deep dive on what is a sales channel integration
- Understand how to coordinate order and post sales messages properly, as well as ATP (Available to Promise) inventory
- Recognize other data points that may be included in a sales channel integration (such as product information)

4.6 Determine how to perform shipping integration and receive carrier information for orders

4.7 Describe how to use carrier integration

4.8 Define a customer service integration

- Other types of integrations (reporting, CRM, PIM, etc.)
- Define how to use the customer service APIs to perform order actions in a third-party tool

4.9 Determine how to use a custom payment integration

5 Troubleshooting

5.1 Demonstrate ability to troubleshoot issues coming from an integration

5.2 Determine alerts and guardrails during the integration testing cycle

5.3 Determine how to subscribe to and properly use the Magento Status pages

6 Magento Commerce Connector

6.1 Demonstrate ability to configure the Magento Commerce Connector

- Which configuration must be added to the env.php file and which command must be run to register Magento Commerce to the Magento Order Management API ?
- If stock is not received, where should you go to start investigating the problem?
- Which configuration is needed to send orders from Magento Commerce to Magento Order Management?

6.2 Demonstrate ability to synchronize stock between Magento Commerce and Magento Order Management

- If you want to synchronize stock between Magento Commerce and Magento Order Management, which kind of configuration do you need to add?
- How do you manage a stock aggregate page to create an association with a website and aggregates?

6.3 Identify and determine messages within the Connector

- Which message is sent to Magento Order Management to synchronize the catalog?
- How can you do a FULL catalog export?

6.4 Demonstrate ability to create automatic messages and notifications

Which message sent from Magento Order Management will automatically create invoices and shipments in Magento Commerce?

7 Magento Order Management Knowledge

7.1 Identify the differences between soft allocation and hard allocation

7.2 Identify the differences between source-stock message in mode NONZERO or FULL

7.3 Identify the difference between a refund and return

7.4 Identify how to manage a return

7.5 Identify the difference between In-store pickup and ship from store

7.6 Determine the use of pick-confirm in Magento Order Management

7.7 Understand special order types

8 Connector

8.1 Demonstrate ability to customize the connector

8.2 Demonstrate ability to update a new version of the connector

8.3 Demonstrate an ability to install and configure with the Magento Commerce Connector

8.4 Determine how to configure the Magento Commerce back office to work with the connector

9 Deployment Process

9.1 Demonstrate ability to perform application testing

9.2 Identify pre-launch activities