

Certification Exam Guide

Infor Certified M3 Developer v13.3

Exam #: M3-60



Certification Program

Target Audience

The exam targets the skills and abilities required by an M3 Developer with relevant experience to evaluate customer needs and create program modifications.

Exam Details

- Exam number: M3-60
- Onsite or Online, proctored
- 70 questions
- 90 minute time limit

Schedule and Register

Below are the steps to schedule and register for an onsite or online proctored exam.

Onsite

Prior to registering for an exam, please follow the steps below to register for your preferred exam date/time:

1. If required, create a new account by clicking [here](#).
2. If you already have an account, login to [Webassessor](#).
3. Click Register for an Exam.
4. Find the exam you wish to attempt.
5. Click Select next to the Onsite Proctored option.
6. Search for a test center or choose one of the closest test centers listed.
7. Select your preferred date and time to attempt the exam. (Test centers set their own testing schedules.)
8. Read and accept the Terms and Conditions and then click Select.
9. If you have a Voucher/Coupon code, enter the code and click Apply.
10. If the exam details are correct, click Checkout.
11. If using a credit card, choose your payment type and click Submit.
12. After confirming payment, click Done.
13. You will receive a confirmation email with your Test Taker Authorization Code and additional onsite details.

Please Note:

- Ensure you have your Test Authorization Code with you when you arrive at the test center. You cannot attempt your exam without the Test Authorization Code, and no refund will be provided.
- Please arrive at the test center at least 15 minutes prior to your scheduled exam.
- Parking and other test center specific instructions are included in your confirmation email.

[Register here](#)

Online

Prior to registering for an exam, please follow the steps below at least 5 days prior to you preferred exam date/time:

1. Test your Internet [connection](#). Run the test twice: once with the default server and then to a server in Arizona (e.g. Phoenix, AZ; Tempe AZ, Tucson, AZ; etc.) Results to an Arizona server must meet these minimum requirements:
 - o Ping times must be less than 200ms
 - o Jitter must be less than 50ms
 - o Download and upload must be greater than 1Mbps
2. Ensure your computer meets other requirements outlined in this [Guide](#). Some of the requirements are:
 - o A webcam is required - built in webcams ARE permitted
 - o A microphone is required - headsets are NOT permitted
 - o Sentinel Secure software must be installed (MS Windows and MAC supported)
3. If you encounter any problems, contact Kryterion Support:
 - o Voice: 866-227-7116 (U.S.) or +001-602-714-8235 (International)
 - o Live Chat: www.kryteriononline.com/Support, then click on "LIVE HELP"
 - o Email: OLPsupport@KryterionOnline.com
4. If required, create a new account by clicking [here](#).
5. If you already have an account, login to [Webassessor](#).
6. Click Register for an Exam.
7. Find the exam you wish to attempt.
8. Click Select next to the Online Proctored option.
9. Select your preferred date and time to attempt the exam and click Select.
10. Read and accept the Terms and Conditions and then click Select.
11. If you have a Voucher/Coupon code, enter the code and click Apply.
12. If the exam details are correct, click Checkout.
13. If using a credit card, choose your payment type and click Submit.
14. After confirming payment, click Done.
15. You will receive a confirmation email.

[Register here](#)

Exam Topic Area Summary

The following summarizes the percentage of each topic area included on the exam:

- Design and Develop - 46%
- Using - 54%

Related Training and Documentation

Although not required, the following training courses and documentation cover content included in this exam:

- Training courses found on Campus:
 - M3: Developing Smart Office Personalized Script
 - M3: v13x Designing Mashups – Advanced
 - M3: v13x Designing Mashups - Introduction
 - M3: v13x Developing with M3 Adaptation Kit
 - M3: Using H5 Introduction
 - M3: v13x Configuring H5 Personalizations
 - M3: v13x Programming in Java – Advanced
 - M3: v13x Programming in Java – Introduction
- Other documentation found on Programming News for M3 BE v15.1.1:
 - M3 BE 15.1 Session 2 - Reference fields
 - M3 BE 15.1 Session 4 - List panels – code
 - M3 BE 15.1 Session 5 - Bookmark enhancements
 - M3 BE 15.1 Session 7 - Action number report
 - M3 BE Programming Standard - Addendum 1 - method arguments
 - M3 BE Programming Standard - Addendum 2 - local variables
 - M3 BE Programming Standard - Addendum 3 - use of access modifier
 - M3 BE Programming Standard - Addendum 6 - Panel version
 - M3 BE Programming Standard - Addendum 10 - code reuse and utilities
 - M3 BE Programming Standard - Addendum 12 - code comments
- Other documentation found on Infor Xtreme <http://infortreme.com>:
 - Infor Ming.le – Help
 - Infor Ming.le Overview
 - M3 Core 13.3 Installation Guides AIX / M3 Core Installation Planning Guide - AIX / M3 SW Components Overview / Event Hub and Event Analytics Introduction

Exam Objectives by Topic Area and Resource

This certification exam includes the following exam objectives by topic and course.

Resource and related exam objective(s)	Topic Area and Percentage	
	Design and Develop	Using
	48%	52%
M3: Developing Smart Office Personalized Script		
Access the values in the columns and rows of a B-panel list with Infor M3 panel ListViews.	X	
Add event handlers to the control.	X	
Create a script that uses MForms Automation.	X	
Retrieve the value of elements of the Infor M3 panel.	X	
Send Infor M3 panel data to external processes.	X	
M3: Using H5 Introduction		
Describe H5 Home Pages.	X	
M3: v13x Designing Mashups – Advanced		
Create a Mashup with a custom list.	X	
Create an MI Mashup.	X	
M3: v13x Designing Mashups - Introduction		
Create basic Mashups.	X	
M3: v13x Developing with M3 Adaptation Kit		
Describe the purpose of the M3 Adaptation Kit (MAK).		X
Explain the purpose and function of Eclipse and MAK perspectives.		X
Explain the importance of an entity lock.		X
State the purpose of an Action Log in M3 Adaptation Kit (MAK).		X
Describe the M3 Adaptation Kit (MAK) tools and features.		X
Use the M3 Adaptation Kit (MAK) Debug server.		X
Describe version control for M3 Adaptation Kit (MAK).		X
M3: v13x Configuring H5 Personalizations		
Describe Personalized Scripts for H5.	X	
M3: v13x Programming in Java – Advanced		
Describe adding or modifying an Infor M3 Application Programming Interface (API) transaction.		X
Describe how to perform customer modifications in Infor M3.		X
Describe the Infor M3 inheritance hierarchy.		X
Describe the process of modifying view definitions.		X
Describe the various types of outputs available in Infor M3.		X
Describe why fix handling in Infor M3 is critical to the health of the system.		X
Explain the purpose of the parameter list and data structure classes used in Infor M3.		X

Resource and related exam objective(s)	Topic Area and Percentage	
	Design and Develop	Using
	48%	52%
State the importance of selection parameters in Infor M3 Java.		X
M3: v13x Programming in Java – Introduction		
Describe the data types used in Infor M3.		X
Describe the database structures in Infor M3.		X
Describe the importance and purpose of an interactive program.		X
Describe the Infor M3 folder structure.		X
Describe the purpose of numeric data conversion in Infor M3.		X
Describe the standards for naming in Infor M3.		X
Execute an Infor M3 Java program.		X
Explain the use of data classes and variables.		X
Programming News for M3 BE v15.1.1		
Create an action number report.		X
Create bookmark enhancements.		X
Create list panels.		X
Create panel version definitions.		X
Describe code reuse methods.		X
Use access modifiers in java.		X
Use local variables when writing new methods in M3.		X
Write method arguments.		X
Infor Xtreme		
Describe customer-defined fields.		X
Describe Xi/OS Widgets.	X	

Questions and Help

Additional Certification Program information is available at www.infor.com/certification

Additional information about Infor Education training courses is available at www.infor.com/education.

If you experience any issues when registering for a certification exam, please contact olpsupport@kryteriononline.com.

If you need help registering for a training course, please contact:

- For Americas: EducationAmericas@infor.com
- For Europe, the Middle East and Africa: EducationEMEA@infor.com
- For Asia Pacific: EducationAPAC@infor.com

Sample Questions

The sample questions below provide examples of the types of questions included on the certification exams delivered through the Webassessor testing platform. The correct answers are provided for reference purposes only in the following Key to Sample Questions section. **Note:** The Webassessor platform randomizes all certification question items and answer options during the exam.

- Which one of the following MI transaction prefixes would you use to create a new table row?
 - Lst
 - Get
 - Set
 - Upd/Chg
 - Add
- Which one of the following Infor Mashup Designer menus do you use to copy lines of code (CTRL+C) or undo your latest changes (CTRL+Z)?
 - File
 - Run
 - Edit
 - Help
- Which three of the following options are bookmark parameter data types? Choose 3 answers.
 - String
 - Class type reference
 - Integers
 - Decimal numbers
 - Data structures
- Which one of the following programs is the only program that needs to be changed if a new program is enabled for panel version, or an existing one is changed?
 - CRCRTPVM
 - CSYSPFREA
 - CRCRMPVL
 - CRCRTPGNM
- Which one of the following options is how you find H5 Homepages?
 - Clicking "START" in the H5 client
 - Using the "APP Launcher"
 - Selecting the Homepages tab in Ming.le
 - Using the Homepages setting
- Which three of the following tools can you use to set up rules for generating Alerts to users in Ming.le? Choose 3 answers.
 - ION Monitors
 - ION Alarms
 - M3 Event Based Alerts
 - ION Message Listeners
 - Ming.le Streams

7. Which one of the following describes the purpose of Homepage widgets?
- A. Widgets show supplementary information for the main content in a Homepage.
 - B. Widgets check M3 table alerts.
 - C. Widgets are used for displaying M3 information in a homepage.
 - D. Widgets are used as building blocks to create personalized homepages displaying relevant information for the individual user.
8. Which two of the following are ways that you can retrieve information from M3 into a workflow instance that has already been started? Choose 2 answers.
- A. Through an ION API step in the workflow
 - B. Through a Sync BOD from ION
 - C. Through an exit point step in the workflow
 - D. Through a Drillback from a task to the relevant M3 detail panel
9. Which one of the following is part of the second input parameter when you use the static Launch() method?
- A. Arguments to the application that is opened
 - B. Program name
 - C. File name
 - D. URL
10. The recommended steps in the downgrade process for the DEV environment include the following four tasks:
1. The technical consultant produces a technical specification detailing a solution.
 2. Once the technical specification is approved, the customer modifications are made.
 3. A functional specification is generated, normally by a business consultant, which identifies the required changes to be made
 4. Once the modifications have been tested and approved by the customer, the changes are promoted from HFix to VFix, and then promoted to the PRD and other environments through LCM

Which one of the following is the correct order in which those tasks should be performed?

- A. 2, 4, 3, 1
 - B. 1, 3, 4, 3
 - C. 3, 1, 2, 4
 - D. 4, 2, 1, 3
11. Which two of the following describe the purpose of a parameter list? Choose 2 answers.
- A. A parameter list is used to return values from an M3 API.
 - B. A parameter list is used to pass job request data between Infor M3 programs.
 - C. A parameter list can be used to replace an M3 Data Structure.
 - D. A parameter list is used to end job command parameters to batch jobs.
12. Which one of the following is the first high-level step in the process to make program panel changes?
- A. Prepare the program as a customer modification to handle adding any new fields and messages
 - B. Prepare any database modifications
 - C. Prepare field help and error message
 - D. Modify the appropriate panel view definition to show the field
 - E. Modify the appropriate code to handle the validation and management when adding a new table

13. Which one of the following directories is where standard Infor M3 business components are stored?
- A. MVX
 - B. MGB
 - C. CUS
 - D. CGB
14. Which two of the following options are reasons why it is important to always lock a new entity when creating it? Choose 2 answers.
- A. Unlocked entities cannot be exported.
 - B. Unlocked entities cannot be modified.
 - C. Unlocked entities cannot be renamed.
 - D. Entities must be locked in order to use the Sandbox.
15. Which one of the following class types holds the selection parameters prior to storage?
- A. Parameter list
 - B. Data structure
 - C. Database access class
 - D. HashTable
16. Which one of the following actions requires registrations to be entered in the Action Log file?
- A. Numbers
 - B. Development
 - C. Resource
 - D. Export
17. You are using the MAK Debug subsystem in Server view. Which one of the following subsystem names represents the job to be taken?
- A. Debug
 - B. <username>
 - C. <ENV>
 - D. ABMIW
18. A Downgrade touches code both in the Standard (MVX) and Customer (CUS) components. Which one of the following items should you use in both places?
- A. Action number
 - B. Package declaration
 - C. Deployment directory (MVX/HFix)
 - D. Single Tempfix file
19. Which one the following is the first step in the recommended process for making a customer modification?
- A. A functional specification is generated, normally by a business consultant, which identifies the required changes to be made.
 - B. The technical consultant produces a technical specification detailing a solution.
 - C. Once the technical specification is approved, the customer modifications are made.
 - D. Once the modifications have been tested and approved by the customer, the changes are promoted from HFix to VFix, and then promoted to the PRD and other environments through LCM.

20. Which three of the following statements describe Version control in MAK? Choose 3 answers.

- A. CVS is the newer software used for version control in MAK.
- B. SVN is the newer software used for version control in MAK.
- C. The repository stores all the versions for each resource.
- D. If a source is in the repository and M3, the repository is the master.
- E. Version control software provides information about all the modifications made.

Key to Sample Questions

The correct answers for the Sample Questions are provided here for reference purposes only. **Note:** The Webassessor platform does not provide correct answers/feedback during the exam.

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