

# HCL Volt MX 9.5

## Certified Professional Developer Certification Exam Guide

HCLSoftware U

Creating a new generation of experts



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## Introduction

This certification exam is the second level in your HCL Volt MX certification journey. This certification is to validate the application of your knowledge on developing cross platform applications using HCL Volt MX 9.5.

The HCLSoftware Certified Volt MX 9.5 Professional Developer must demonstrate skills associated with developing applications using the Volt MX product in areas such as UI design, UX, IRIS low code capabilities, IRIS SDK, IRIS widgets and data format, IRIS coding, Foundry, Foundry SDK, Foundry custom code, Application technical requirements, IRIS extensibility, Foundry extendibility and Marketplace components.

## Requirements

To take the HCL Volt MX 9.5 Professional Certification Exam, one of the following requirements must be met:

1. 5+ years of product experience
2. previous Kony Certification
3. passed the HCL VMX 9.5 Associate Developer Certification

If you meet requirement number 1 or 2, ensure that you have sent your required proof to [ds.academy@hcl.com](mailto:ds.academy@hcl.com) before proceeding with scheduling and payment of this exam.

## Exam Format

- Multiple choice: Has one correct response and three incorrect responses
- Multiple choice: Has two or more correct responses out of five or more response options
- Number of questions: 24
- Total score: 83
- Passing score: 58
- Passing Percentage: 70%
- Time duration for answering the 24 questions: 60 minutes.
- Total exam time duration: 75 minutes.
- Unanswered questions are scored as incorrect; there is no penalty for guessing.

## Exam Results

The HCLSoftware Volt MX 9.5 Professional Developer (HCL-VMX-PDEV-95) certification exam is a pass or fail exam. The exam is scored against a minimum standard established by HCLSoftware subject matter experts who follow certification industry best practices and guidelines.

The exam is scored based on a Sum of Scores which is then converted into a percentage to determine pass or fail. The sum of scores is achieved by weight assigned to each

individual question based on level of complexity. The minimum score required to pass the exam is 58 out of a total of 83 points, which is 70%.

## Exam Content

This exam guide includes competency areas and weightings for the exam as seen below.

This exam covers content specifically for HCL Volt MX 9.5.

Competency Area	% of Examination
Iris	42%
Foundry	30%
UI/UX	16%
Application Technical Requirements	8%
Marketplace Components	4%
<b>TOTAL</b>	<b>100%</b>

### Competency Area 1: Volt MX Iris

#### 1.1 Iris Low Code Capabilities

- [Data panel – configuring dynamic UI properties](#)
- [Preview and collaborate on Iris project](#)
- [Form template](#)
- [Pass data from one form to another](#)
- [Pass custom data from one form to another](#)
- [Get logged in user information using low-code capabilities in Iris](#)

#### 1.2 Iris SDK

- [Locations API](#)
- [Segment widget APIs](#)
- [Store APIs](#)
- [Map widget APIs](#)
- [Image widget APIs](#)
- [Local Authentication APIs](#)

#### 1.3 Iris Widgets & Data Format

- [Browser widget and data format](#)
- [Segment properties](#)
- [ListBox widget and data format](#)
- [CheckboxGroup widget properties](#)
- [Browser widget properties](#)
- [Map widget and data format](#)

#### 1.4 Iris Coding

- [ES6 JavaScript in Iris](#)
- [RequireJS modules in Iris](#)

- [iOS Native function APIs](#)
- [Android Native function APIs](#)
- [Components in Iris](#)
- [Template controller methods](#)
- [Accessing function from one form controller from another](#)

#### 1.5 Iris Extensibility

- [Support for Cordova application](#)
- [Android Native function APIs](#)
- [iOS custom widget](#)
- [Android custom widget](#)
- [Native platform widgets](#)
- [SPA custom widgets](#)
- [SPA custom widgets](#)

### Competency Area 2: Volt MX Foundry

#### 2.1 Foundry

- [Identity services](#)
- [JSON integration services](#)
- [Orchestration services](#)
- [Workflow services](#)
- [API management](#)

#### 2.2 Foundry SDK

- [Initializing VoltMX JS client SDK](#)
- [Initializing VoltMX JS client SDK manually through code](#)
- [Invoke configuration services](#)
- [Initialize Data object](#)
- [Support for ODATA in object services](#)
- [Invoke integration services](#)

#### 2.3 Foundry Custom Code

- [Java pre/post processors for object services](#)
- [DataControllerRequest class](#)
- [JavaScript pre/post processors for integration services](#)
- [Rules pre/post processors](#)
- [Java services](#)

#### 2.4 Foundry Extendibility

- [Custom data adaptor in Foundry](#)

### Competency Area 3: UI/UX

#### 3.1 UI Design

- [Custom CSS](#)
- [Application Extension](#)
- [Using local HTML content](#)
- [Android manifest](#)
- [Custom widget](#)

- [Components](#)

### 3.2 UX

- [Flex form methods](#)
- [Application library functions](#)
- [RTL support](#)
- [Animations](#)
- [Interstitial Screens](#)
- [Segment widget animations](#)

### Competency Area 4: Application Technical Requirements

- [Application security](#)
- [Application library APIs](#)
- [Identity service configurations](#)
- [Foundry services throttling configurations](#)
- [URL provider](#)
- [Integration service configurations](#)
- [Server events configurations](#)
- [Configuration of Foundry logger levels](#)

### Competency Area 5: Marketplace Components

- [Private marketplace](#)

## Exam Preparation Resources

- It is recommended to complete the HCL Volt MX 9.5 self-paced training available on HCLSoftware U. Access the HCL Volt MX 9.5 self-paced training using the below link.  
[HCL Volt MX 9.5 self-paced training»](#)
- In addition to the HCL Volt MX 9.5 self-paced training, refer to the links from the above competency areas.
- These resources and additional training are not required before taking the exam but are recommended opportunities to learn from experts and expand on your knowledge.

## Legal Statements

**This edition applies to release 9.5 of HCL Volt MX and to all subsequent releases and modifications until otherwise indicated in new editions.**

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