



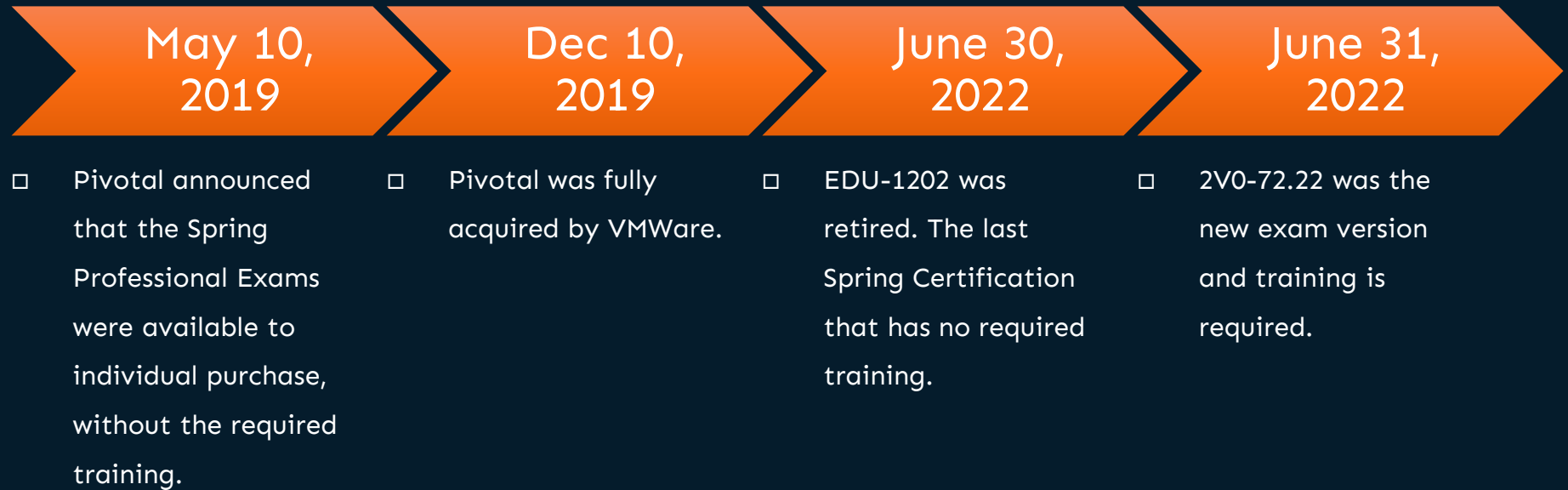
# Spring Professional Certification

Kenneth Penaranda



# Certification Important Timeline

Important events for the examinees to know



# Exam Overview

Exam details, price, scoring and requirements

Exam 2V0-72.22 : Spring Professional Develop	
<b>Language</b> English	<b>Duration</b> 130 minutes
<b>Number of Questions</b> 60	<b>Passing Score</b> 300 (Scaled)
<b>Format</b> Single and Multiple Choice, Proctored	<b>Price</b> 250 USD

## Passing Score

VMware exams are scaled on a range from 100-500, with the determined raw cut score scaled to a value of 300. Your exam may contain unscored questions in addition to the scored questions, this is a standard testing practice. You will not know which questions are unscored, your exam results will reflect your performance on the scored questions only.

# Scoring

## How Scaled Scoring Works

“Scaled scoring provides a standard range for test takers and allows direct and fair comparisons of results from one exam form to another, regardless of minor differences between the forms. While each of VMware’s determined raw passing scores are scaled to a value of 300, that 300 means something different in the backend for each exam. The scaled score conversion values vary between VMware exams and are calculated based on a mathematical formula that accounts for various factors, the specifics of which cannot be disclosed for **confidentiality reasons**. **The exam contains scored and unscored items.**”

Raw	Score	Scaled	Score
The raw score is the number of points earned on an exam. Your total raw score is equal to the number of points awarded for correct answers out of the total points possible for any given exam.		The scaled score is the <b>reported score</b> on that same exam. Your scaled score is a representation of your raw score that was converted based on a <b>standardized scale</b> .	

### Example

In this example, an exam has a total of 15 items, 10 of which are scored, each worth one raw point.\*\* As a result of **VMware’s standard setting process based on the exam content and a number of other factors**, the recommended passing score is 60% (or six out of 10 raw) for this sample exam. The equivalent scaled score of 300 appears in the below sample table.

# Scoring

How Scaled Scoring Works

Number of Possible Points 10 raw or 500 scaled		Passing Score 6 out of 10 or 300 scaled
Raw Score	Scaled Score	Status
0	100	
1	130	
2	175	
3	205	
4	240	
5	285	
6	300	✓
7	360	✓
8	405	✓
9	450	✓
10	500	✓

# Requirements

Requirements to earn the badge and certificate



(Recommended) Gain experience with Application Modernization, VMware Spring, Spring Boot, Spring Framework



(Required) Attend at least ONE of the training courses



(Required) Pass the exam

# Exam Topics

Exam topic based on the recently updated exam guide

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/certification/vmw-spring-professional-develop-exam-guide.pdf>

## Section 1 – Spring Core

- Objective 1.1 Introduction to Spring Framework
- Objective 1.2 Java Configuration
- Objective 1.3 Properties and Profiles
- Objective 1.4 Annotation-Based Configuration and Component Scanning
- Objective 1.5 Spring Bean Lifecycle
- Objective 1.6 Aspect Oriented Programming

## Section 2 – Data Management

- Objective 2.1 Introduction to Spring JDBC
- Objective 2.2 Transaction Management with Spring
- Objective 2.3 Spring Boot and Spring Data for Backing Stores

## Section 3 – Spring MVC

- Objective 3.1 Web Applications with Spring Boot
- Objective 3.2 REST Applications

## Section 4 – Testing

- Objective 4.1 Testing Spring Applications
- Objective 4.2 Advanced Testing with Spring Boot and MockMVC

## Section 5 – Security


- Objective 5.1 Explain basic security concepts
- Objective 5.2 Use Spring Security to configure Authentication and Authorization
- Objective 5.3 Define Method-level Security

## Section 6 – Spring Boot


- Objective 6.1 Spring Boot Feature Introduction
- Objective 6.2 Spring Boot Properties and Autoconfiguration
- Objective 6.3 Spring Boot Actuator


# Scheduling the Exam


## Exam options





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Select exam options

2V0-72.22: Spring Professional Develop

How do you want to take your exam?

 In person at a test center

 Online with OnVUE

I have a Private Access Code

[Terms](#) [Privacy](#) [Contact](#)

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# Scheduling the Exam

## In Person at Test Centers

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Select exam options

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How do you want to take your exam?

In person at a test center

Online with OnVUE

I have a Private Access Code

Prepare for your test center exam

**Your photo ID**

We'll verify your government-issued identification (ID) when you arrive for your exam.

Review [admission & ID policies](#).

**What to expect**

Familiarize yourself with the testing experience so you feel confident on test day.

Watch our [short video](#).

**Personal items**

Review the items that you can have during testing that do not require prior approval.

View [comfort aid list](#).

**Questions?**

Check out the [FAQs](#).

Next

O&B

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# Scheduling the Exam

## Online

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Select exam options

2V0-72.22: Spring Professional Develop

How do you want to take your exam?

In person at a test center

Online with OnVUE

I have a Private Access Code

Prepare to take your exam with OnVUE

**Your computer**

Use a personal computer that has a reliable webcam and internet connection.

Run [system test](#).

**Your testing space**

The room should be a distraction-free, private place.

See [acceptable spaces](#) and view permitted [comfort aid list](#).

**Your photo ID**

We'll verify your government-issued identification (ID) when you arrive for your exam.

Review [admission & ID policies](#)

**What to expect**

Check in for your OnVUE exam 30 minutes before your appointment time.


Watch our [short video](#) to get familiar with the process.

**Questions?**


Check out the [OnVUE FAQs](#) and [minimum technical requirements](#).


# Scheduling the Exam


## Private Access Code





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Select exam options

2V0-72.22: Spring Professional Develop

How do you want to take your exam?

 In person at a test center

 Online with OnVUE

I have a Private Access Code

A Private Access Code is required for the selected option. Enter the code below.

Enter

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# Online Examination Preparation

## Activities before taking the exam



Find a quiet, disruption-free, well-lit space. Please be aware that background light or the sun rising/setting could create visibility issues for the proctor.



You will be required to take four photos of your testing space during the check-in. We recommend using a mobile device.



You can use one monitor.



Your desk should be clear.



Download required softwares and test your system.

# Exam Check-in Process

Check-in process on the day of the exam



Log in to <https://home.pearsonvue.com/Vmware>



Follow on-screen prompts to complete the check-in process.

# Always to keep in mind



Login to your account 30 minutes early to start check-in process and to allow for any trouble shooting.



If you are more than 15 minutes late after your scheduled exam time, you will be unable to begin your exam and you are unlikely to receive a refund.



You may not access unauthorized materials. I.e. mobiles devices, watches and anything not allowed by test sponsor.



No speaking aloud during the exam and eyes should only be focused on the screen.




No one else should appear through the webcam during the exam and no one else's voice should be heard.

# Review Materials

## Books and questions bank

<https://www.certification-questions.com/practice-exam/spring/professional>



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- Exam Tests: 6
- Last Update: 2023-10-31

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# Review Materials

## Books and questions bank

<https://docs.spring.io/spring-framework/reference/index.html>

Why Spring ▾ Learn ▾ Project ▾

Spring Framework

6.1.0

Q Search CTRL + k

Overview

Core Technologies ▾

The IoC Container ▸

Resources

Validation, Data Binding, and Type Conversion ▸

Spring Expression Language (SpEL) ▸

Aspect Oriented Programming with Spring ▸

Spring AOP APIs ▸

Null-safety

Data Buffers and Codecs

Logging

Ahead of Time Optimizations

Appendix ▸

Testing ▸

Data Access ▸

Web on Servlet Stack ▸

Web on Reactive Stack ▸

Integration ▸

Language Support ▸

Appendix

Spring Framework / Spring Framework Documentation

## Spring Framework Documentation

Overview

Core

Testing

Data Access

Web Servlet

Web Reactive

Integration

Languages

Appendix

Wiki

History, Design Philosophy, Feedback, Getting Started.

IoC Container, Events, Resources, i18n, Validation, Data Binding, Type Conversion, SpEL, AOP, AOT.

Mock Objects, TestContext Framework, Spring MVC Test, WebTestClient.

Transactions, DAO Support, JDBC, R2DBC, O/R Mapping, XML Marshalling.

Spring MVC, WebSocket, SockJS, STOMP Messaging.

Spring WebFlux, WebClient, WebSocket, RSocket.

REST Clients, JMS, JCA, JMX, Email, Tasks, Scheduling, Caching, Observability, JVM Checkpoint Restore.

Kotlin, Groovy, Dynamic Languages.

Spring properties.

What's New, Upgrade Notes, Supported Versions, additional cross-version information.

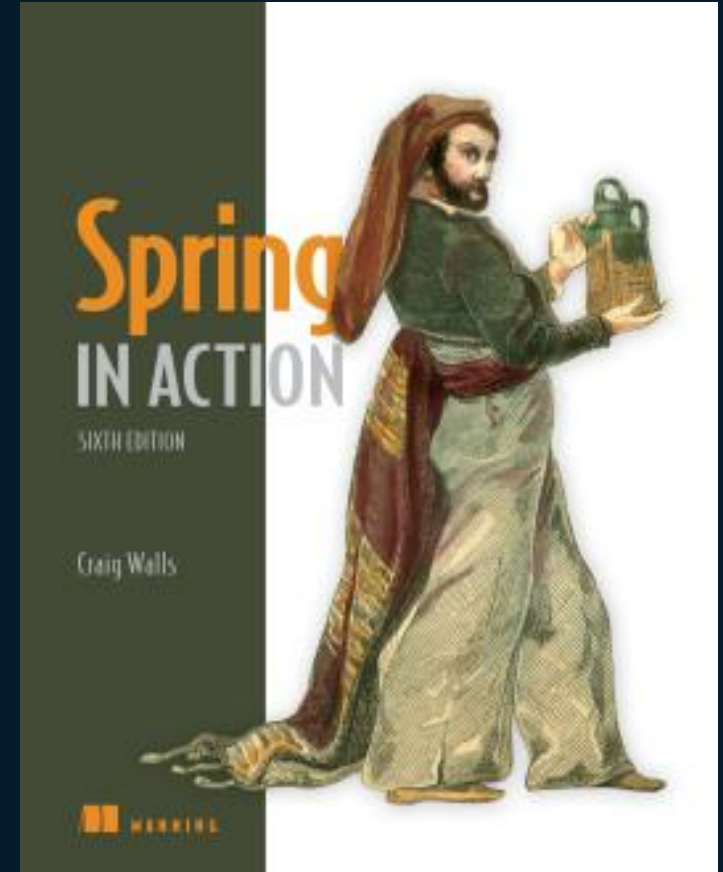
Rod Johnson, Juergen Hoeller, Keith Donald, Colin Sampaleanu, Rob Harrop, Thomas Risberg, Alef Arendsen, Darren Davison, Dmitry Kopylenko, Mark Pollack, Thierry Templier, Erwin Vervaeke, Portia Tung, Ben Hale, Adrian Colyer, John Lewis, Costin Leau, Mark Fisher, Sam Brannen, Ramnivas Laddad, Arjen Poutsma, Chris Beams, Tareq Abedrabbo, Andy Clement, Dave Syer, Oliver Gierke, Rossen Stoyanchev, Phillip Webb, Rob Winch, Brian Clozel, Stephane Nicoll, Sebastien Deleuze, Jay Bryant, Mark Paluch

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Overview ▸





# Tips

## Tips from personal experience



Book your exam ahead of time. The deadline will give you additional motivation! hehe



During the exam, always bookmark the item that you are unsure of. Bookmarked items are easy to review.



File a leave a day before taking the exam because an ample amount of rest is important.



Avoid having second thoughts, confidence and a clear mind are the keys to passing the exam.

# References

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<https://news.vmware.com/releases/vmware-completes-acquisition-of-pivotal>

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<https://docs.spring.io/spring-framework/reference/index.html>

<https://www.certification-questions.com/practice-exam/spring/professional>



**Thank you.**

## CONTACT

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