

ThingWorx Device Integration Professional Certification Exam

Exam Duration: 90 minutes

Exam Price: \$399 USD

Exam Length: 60 questions

Pass/Fail Mark: 70% (subject to change)

Pre-requisite Certification: [ThingWorx Developer Associate Certification Exam](#)

Recommended Course: [ThingWorx Connectivity](#)

Test Formats:

- Multiple Choice (one correct answer)
- Multi-select (must select all correct options to receive points)
- Matching Style
- Scenario based (all multiple choice)

Sample Question

Which of the following are advantages of the AlwaysOn™ technology compared to communicating with the platform using the REST API?

- | | Option Text |
|----|---|
| A. | <input checked="" type="checkbox"/> bidirectional communications |
| B. | <input checked="" type="checkbox"/> firewall friendly |
| C. | <input type="checkbox"/> runs on any platform that can send an HTTP request |
| D. | <input checked="" type="checkbox"/> low latency communication |
| E. | <input type="checkbox"/> does not require custom code on the device |

Exam Description

This exam is intended for developers who need to connect devices and/or systems to the ThingWorx platform. ***All candidates must be certified ThingWorx Developer Associates.***

The ThingWorx Device Integration Professional exam validates a candidate's ability to create a ThingWorx solution which makes a device appear to be a native component. Successful candidates must be able to identify the connectivity options of ThingWorx Edge technology, weigh the tradeoffs of each

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option and select the best option for a particular device and use case. The desired functionality must be mapped to a ThingWorx model.

Performance Objectives

This exam measures the following performance objectives. Topic coverage on the exam is indicated by percentage.

- Identify the methods of device integration supported by ThingWorx and select the most appropriate for a given device or use case. (Exam Coverage: 18%)
- Define the following connectivity concepts and accurately determine when to use one over the other: (Exam Coverage: 16%)
 - Always On
 - REST API
 - Custom or pre-existing Extensions
- Securely connect a device to ThingWorx. (Exam Coverage: 15%)
- Map the constructs of a ThingWorx model (including properties, services and events) to device capabilities. (Exam Coverage: 8%)
- Use the C SDK to implement a device integration. (Exam Coverage: 18%)
- Configure the EMS and LUA script with appropriate information to provide secure connectivity. (Exam Coverage: 17%)
- Map a remote Thing Template Functionality to a device. (Exam Coverage: 8%)