



Azure Study Group

AZ-220: Microsoft Azure IoT Developer

Session 1: AZ-220: Kickoff + Implement the IoT solution infrastructure (15-20%)

Diana Phillips

Senior Cloud Solution Architect, US OCP Technical Team

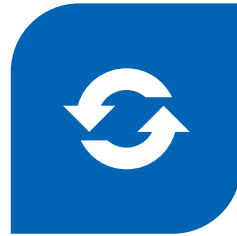
Agenda



SERIES
SCHEDULE



SPEAKER
INTRODUCTION



FEEDBACK
LOOP






EXPECTATIONS



OPEN MIC

Implement the IoT solution infrastructure (15-20%)

Series Schedule

Event Title		Date/Time
	Session 1: AZ-220: Kickoff + Implement the IoT solution infrastructure (15-20%)	April 22, 2020
	Session 2: AZ-220: Provision and manage devices (20-25%)	April 29, 2020
	Session 3: AZ-220: Implement Edge (15-20%)	May 06, 2020
	Session 4: AZ-220: Process and manage data (15-20%)	May 13, 2020
	Session 5: AZ-220: Monitor, troubleshoot, and optimize IoT solutions (15-20%)	May 20, 2020
	Session 6: AZ-220: Implement security (15-20%) + Final Review	May 28, 2020

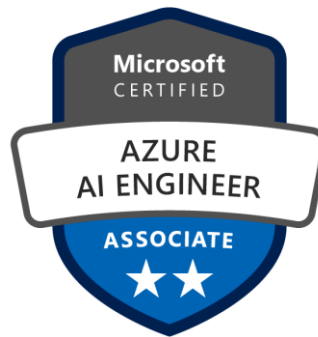
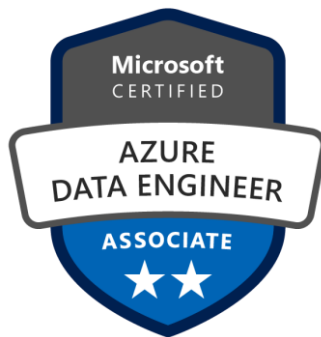
Registration: <https://msuspartners.eventbuilder.com/AZ220StudyGroup>

Yammer Group: <http://aka.ms/azurecsg>

Speaker Introduction – Diana Phillips



- Senior Cloud Solution Architecture based in St. George, UT
- 4 years at Microsoft, 27 years in the industry
- Microsoft Certified Professional since 1996
- Microsoft Certified Trainer
- Conference speaker, Community call presenter, STEM volunteer
- <http://linkedin.com/in/UtahITPro>



Poll: Help us understand the audience...

- Where are you calling in from?
- What is your role today?
- What is your experience level with Azure IoT?
 - 1 – Beginner, I'm new to this
 - 2 – Intermediate, I have used Azure IoT services, but not on a production project
 - 3 – Experienced with Azure IoT, I use the services often
 - 4 – Expert, I am exam ready

How does this study group work?

- Each week, we will cover a different exam objective
- You'll be assigned homework aligned to an exam objective for you to do on your own via self-study
- We'll meet once a week to review and discuss content with Q&A
- During the week, post any questions you may have to the Yammer Azure Study Group (<http://aka.ms/azurecsg>), including AZ-220 with your question
- Weekly sessions will be recorded for on-demand viewing

About this study group...

What this study group is...

- A review of areas covered on the exam
- Resources to help you prepare
 - Learning Paths
 - Hands-on Labs
- Strategies for managing your time during the exam
- A supportive group to help answer your prep questions

What it is NOT...

- A guarantee that you will pass your first time, especially if you don't have IoT experience
- Exam answers

Prerequisites

- Software Development Experience
 - No specific software language required
 - Does not need to be at a professional level
- Data Processing Experience
 - General understanding of data storage and data processing (recommended but not required)
- Cloud Solution Awareness
 - Have a basic understanding of PaaS, SaaS, and IaaS implementations
 - Microsoft Azure Fundamentals (AZ-900) or equivalent skills, is recommended

What you need to be successful

- Microsoft Azure subscription – Visual Studio or Internal Use Rights from partner organization (Free trial may be restrictive)
- Join the Yammer Group (<http://aka.ms/azurecsg>)
- A growth mindset!
 - Embrace the challenge
 - Put in the effort to understand key concepts and use cases
 - Learn by doing - Get hands on!
 - Find lessons and inspiration in the success of others

About AZ-220: Microsoft Azure Developer

- Exam: <https://docs.microsoft.com/en-us/learn/certifications/exams/az-220>
- Requirement for: [Microsoft Certified: Azure IoT Developer Specialty](#)

Certification details

Take one exam



CERTIFICATION EXAM

Microsoft Azure IoT Developer

Earn the certification



ASSOCIATE CERTIFICATION

Microsoft Certified: Azure
IoT Developer Specialty

Exam Basics



40-60 questions

- Some questions worth more than 1 point
- Answer all the questions
 - *No penalty for guessing*
 - *Some questions cannot be skipped!*
- Mark items for review if you're not sure of your answer



Plan for 180 minutes

- 150 minutes to answer questions
- 30 minutes for instructions, comments, score reporting, etc.



More than just multiple-choice questions!

- Build list, hot area, active screen, drag and drop, etc.



Case Studies

- Detailed information on business and technical requirements; existing environment and other background you need to solve problems
- Requires you to understand and integrate information across multiple sources, determine what's important, and make the best decision

Exam Question Structure



Technical environment or scenario
You are a developer...

Problem statement / requirements
The app must...

Goal statement
You need to...

Question statement
What should you do...

Skills Measured

- Implement the IoT solution infrastructure (15-20%)
- Provision and manage devices (20-25%)
- Implement Edge (15-20%)
- Process and manage data (15-20%)
- Monitor, troubleshoot, and optimize IoT solutions (15-20%)
- Implement security (15-20%)

Note: In most cases, exams do NOT cover preview features, and some features will only be added to an exam when they are GA (General Availability)

Schedule

- April 22: Implement the IoT solution infrastructure (15-20%)
- April 29: Provision and manage devices (20-25%)
- May 6: Implement Edge (15-20%)
- May 13: Process and manage data (15-20%)
- May 20: Monitor, troubleshoot, and optimize IoT solutions (15-20%)
- May 27: Implement security (15-20%)

Study Group Links

- Registration:
<https://msuspartners.eventbuilder.com/AZ220StudyGroup>
- Study Group on Yammer (Note “AZ-220” in posts):
<http://aka.ms/azurecsg>
- Resources and Homework in the AZ-220 section:
<http://aka.ms/AzureStudyGroups>
- AZ-220 Labs:
<https://microsoftlearning.github.io/AZ-220-Microsoft-Azure-IoT-Developer/>
- Exam:
<https://docs.microsoft.com/en-us/learn/certifications/exams/az-220>



Azure Study Group

AZ-220: Microsoft Azure IoT Developer

Questions?