Introduction to Microsoft Azure Fundamentals

BIA 4650 — University of Idaho, College of Business & Economics

# Objective

This assignment is designed to introduce you to cloud computing concepts and connect theory to practice. You will complete Microsoft Learn’s **Azure Fundamentals** modules, practice your GitHub workflow, and reflect on the business value and career potential of cloud services. This activity also helps you progress toward the **Microsoft Certified: Azure Fundamentals (AZ-900)** credential, an industry-recognized certification.

# Tasks to Complete

1. **Access Microsoft Learn:**

Visit: <https://learn.microsoft.com/en-us/training/courses/az-900t00> and sign in using either your University of Idaho email address or a personal Microsoft account.

1. **Complete Module 1: Introduction to Microsoft Azure — Describe Cloud**

**Concepts**

Once on the webpage, complete all three submodules within Module 1:

* 1. **Describe Cloud Computing** — Introduces cloud computing, deployment models, and shared responsibility.
  2. **Describe Benefits of Using Cloud Services** — Explains the advantages of cloud adoption for individuals and organizations.
  3. **Describe Cloud Service Types** — Introduces IaaS, PaaS, and SaaS, with use cases and business benefits.

After completing each submodule, take the assessment at the end of the module and then take a screenshot showing the *Completed* status. Paste all three screenshots into a single Word document.

A screenshot of a computer test

AI-generated content may be incorrect.A screenshot of a test

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1. **Career Reflection Task:** On the Microsoft Learn page, you will see role-related keywords such as *Beginner, Administrator, Developer, DevOps Engineer, Solution Architect*. For this task:
   * Read about each job title and choose one of these roles (or another cloud-related role you research, e.g., Cloud Security Specialist, Data Engineer) to answer the following questions:
   * Write a short reflection (4–5 sentences) that answers:
     1. What does this role do in a business or organization?
     2. Why does this role interest you?

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* + 1. What cloud skill or topic would you like to learn next based on this role?

Your reflection should connect the role’s responsibilities to real-world business value.

I have chosen Data Engineering. A Data Engineer builds and manages systems that handle large amounts of data so businesses can use it to make decisions. I like this role because I enjoy working with data and I’m curious about how raw numbers get turned into useful insights. I’d like to learn more about Azure tools for big data and machine learning because that seems like the next step. This role really matters for business because good data can help companies innovate and stay competitive.

1. **Upload Your Work to GitHub:** • Upload this assignment and all previous assignments to your GitHub repository in clearly labeled folders. This is the fourth assignment, so your repository should show four folders, each containing the assignment and related files.
   * Remember that you have already learned how to upload files to GitHub. You can use either the local terminal/command prompt or directly upload files on the GitHub website. Choose whichever method is most convenient. There are no points awarded for the upload method you use.
   * Take a screenshot of your GitHub repository page showing the assignment folders and paste it into the same document. At this point, you should have 5 screenshots in the document.

# Deliverables (Submit on Canvas)

Prepare a single Word or PDF file that includes:

1. **Screenshot 1:** Completion of *Describe Cloud Computing*.
2. **Screenshot 2:** Completion of *Describe Benefits of Using Cloud Services*.
3. **Screenshot 3:** Completion of *Describe Cloud Service Types*.
4. **Career Reflection:** Your 4–5 sentence response to the task above.
5. **Screenshot 4:** GitHub repository page showing all assignments properly uploaded.

# Grading Rubric (Total 20 Points)

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| **Criteria** | **Points** |
| Screenshot 1 — Module 1.1 completion (status visible) | 4 |
| Screenshot 2 — Module 1.2 completion (status visible) | 4 |
| Screenshot 3 — Module 1.3 completion (status visible) | 4 |
| Career Reflection — clarity, insight, and business connection | 4 |
| Screenshot 4 — GitHub repository shows assignments organized | 4 |
| **Total** | **20** |

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