**BAIT3273 Tutorial 7**

**Core Cloud Services - Azure data storage options**

• Azure data storage

• Structure data, Semi-structured data, Unstructured data

• On-premises vs Azure data storage

**Instructions**

• Please use this document to answer all the questions in this tutorial.

• Rename the file with your student code and tutorial group number. For example, 1909846-BAIT3273-S1-2020-Tut1-RDSG01 with RDSG01 as your respective programme and group number. Besides, replace *XXXXXXXX* at the header with your student code.

• Every student must submit this doc individually at the end of the tutorial to google classroom.

**Task 1: Azure Data Storage**

Suppose you manage an online sales learning portal for your organization. The majority of your sales team is often in different geographical areas, so the online learning portal is an essential requirement. It's even more important as your organization continues to increase the skills and knowledge enhancement training for the sales staff.

Your training data includes high-quality video, detailed sales simulations, and large repositories for maintaining student data and progress. Currently, all the training content is stored in your on-premises storage. You have an aggressive plan to add new courses and would like to avoid the need to continuously increase the local storage capacity. You're looking for a storage solution that is secure, durable, scalable, and easily accessible from across the globe. Azure provides storage features that will meet all of your business needs.

To address the storage problem for your online learning portal, you're considering storing your data in the cloud. But you're concerned about security, backup, and disaster recovery. On top of those issues, you're worried about how difficult it could be to manage cloud-hosted data. So, here's what you need to

know.

The Azure data storage options are cloud-based, secure, and scalable. Its features address the key challenges of cloud storage and provide you with a reliable and durable storage solution.

1.a

• Why store your data in the cloud?

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| --- |
| Answer:  Create backup for your private files  Protect your work from being wasted  Optimize your cooperation  Get more space for less money  <https://federalnewsnetwork.com/commentary/2017/03/5-reasons-use-cloud-storage-every-day/> |

•There are three primary types of data that Azure Storage is designed to hold. Distinguish the different between these three types of data.

|  |
| --- |
| Answer: |

**Task 2: Comparison between Azure data storage and on-premises storage**

2.

The term "on-premises" refers to the storage and maintenance of data on local hardware and servers.

• Compare the different between Azure data storage and on-premises storage.

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| --- |
| Answer: It’s much faster than on-premise solutionsAzure VM makes you more productive and agileAzure is cheaper than on-premise solutionsAzure is more secure than on-premise solutionsAzure isn’t just storage, it’s a business tool <https://www.doherty.co.uk/blog/azure-vs-on-premise> |