

ASSESSMENT 02 BRIEF	
Subject Code and Title	CCF501 Cloud Computing Fundamentals
Assessment	Case Studies
Individual/Group	Individual
Length	2400 words (+/-10%)
Learning Outcomes	This assessment addresses the Subject Learning Outcomes outlined at the bottom of this document.
Submission	By 11:55 pm AEST Sunday of Module 8
Weighting	30%
Total Marks	100 marks

Context:

This aim of this assessment is to determine the student's capabilities to analyse the features cloud offers, compare traditional IT services with Cloud Services and how different service models can be utilised to solve a challenge, using different public cloud providers.

During this assessment, students will go through four case studies one each week and prepare a report of 2400 words (total).

Instructions:

Your facilitator will provide you with four scenarios. Please be advised that the following points were taken into consideration during the scenario selection process:

- Each of the four scenarios presented are from different service and deployment models.
- They cater for different service sectors of cloud like web application, big data, IoT and/or Artificial Intelligence.
- Each uses a variety of services from providers.
- The scenarios are taken from popular public cloud providers.

The assessment requires you to prepare a report based on the case studies provided by your facilitator.

Report Instructions:

Start off with a short **introduction** (approximately 250 words) stating basic information relevant to the report and introducing relevant points relating to the case studies. For example, you can provide background information including some context related to cloud computing. This section will be written in complete sentences and paragraphs. No tables, graphs, diagrams or dot points should be included.

The structure, main **body** of the report should comprise of four different sections 600 words each (one section for each case study) based on the above mentioned case studies. With each section specifically addressing the following about the case study.

- Analysis of the case
- Analysing the service model for the case study including the services by the provider and each scenario utilised.
- Compare and contrast different deployment models for this scenario.
- Analyse the application of different services each case study used.
- Reflection

Finally, write a **conclusion** (approximately 250 words) as a summary of your analysis of the case. This section brings together all of the information that you have presented in your report and should link to the purpose of the assessment as mentioned in the introduction. You can also discuss any areas which have been identified as requiring further investigation and how this will work to improve or change our understanding of the topic. This section does not introduce or discuss any new information specifically, and like the introduction, will be written in complete sentences and paragraphs. No tables, graphs, diagrams or dot points should be included.

Report writing

Laureate academic skills unit (n.d.). *Report Writing*. Retrieved from https://laureate-au.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id= 20163_1&content_id = 2498855_1&mode=reset

Referencing

Access the following link to assist with correct referencing:

It is essential that you use appropriate APA style for citing and referencing research. Please see more information on referencing here

Library (n.d.). *Referencing*. Retrieved from http://library.laureate.net.au/research_skills/referencing

Submission Instructions:**Due date: By 11:55 pm AEST Sunday of Module 8**

Submit your Report as a word document through the **Assessment 2 submission link** under **Assessment** found in the main navigation menu of the subject Blackboard site. Your assessment will be formally graded via the Grade Centre by your Learning Facilitator and feedback will be provided through **My Grades**.

Learning Rubric: Assessment 2 Case Study Report

Assessment Attributes	Fail (Unacceptable) 0-49%	Pass (Functional) 50-64%	Credit (Proficient) 65-74%	Distinction (Advanced) 75 -84%	High Distinction (Exceptional) 85-100%
Content, Audience and Purpose (broad and specific content) 10%	Demonstrates no awareness of context and/or purpose of the assignment.	Demonstrates partial awareness of context and/or purpose of the assignment	Demonstrates consistent awareness of context and/or purpose of the assignment.	Demonstrates an advanced and integrated understanding of context and/or purpose of the assignment.	Consistently demonstrates a systematic and critical understanding of context and purpose of the assignment.
Compare, contrast and validate different cloud service models utilising services by major cloud providers. 40%	Demonstrated limited understanding of the service models. Limited capability of analysis is demonstrated.	Demonstrates the understanding of different service models but fails to compare. Limited capability of analysis is demonstrated.	Well-developed conceptual Comparison of different service models employed in different scenarios, including the services they use. The analysis is to the point not very deep and covers most of the aspects of the services utilized during the case.	Thoroughly Compares and validates different service models employed in different scenarios, including the services they use. The analysis is in depth and covers nearly all the aspects of the services utilized during the case.	Sytematically Compares and validates different service models employed in different scenarios, including the services they use. The analysis is in depth and covers all the aspects of the services utilized during the case.
Demonstrates a conceptual understanding of cloud computing concepts, essential characteristics and its application to resolve the challenge in the study.	Limited understanding of key concepts required to support the case study. Information is taken from reliable sources but without a coherent analysis or synthesis. Viewpoints of experts are	Resembles a recall or summary of key ideas. Often conflates/confuses personal opinion with evidence from research/course materials. Analysis and evaluation do not reflect expert	Identifies/Support essential characteristics and concepts substantiated by evidence from the research/course materials. Demonstrates a capacity to explain and apply relevant concepts.	Discriminates between essential characteristics and concepts substantiated by robust evidence from the research/course materials and extended reading. Well demonstrated capacity to explain and apply relevant concepts.	Systematically and critically discriminates between essential characteristics and concepts by robust evidence from the research/course materials and extended reading. Information is taken from sources with a high level of

20%	taken as fact with little questioning.	judgement, intellectual independence, rigor and adaptability.	Identify logical flaws. Questions viewpoints of experts.	The viewpoint of experts is subject to questioning. Analysis and evaluation reflect growing judgement, intellectual independence, rigor and adaptability.	interpretation/evaluation to develop a comprehensive critical analysis or synthesis. Identifies gaps in knowledge. Exhibits intellectual independence, rigor, good judgement and adaptability.
Compare and contrast the Cloud infrastructure and the traditional IT infrastructure. 20%	Demonstrate limited skills/knowledge to compare the two. Information is taken from reliable sources but without a coherent analysis or synthesis. Viewpoints of experts are taken as fact with little questioning.	Demonstrate a functional level of knowledge while comparing traditional IT services with Cloud solution in the Case Study. Often conflates/confuses personal opinion with evidence from research/course materials. Analysis and evaluation do not reflect expert judgement, intellectual independence, rigor and adaptability.	Identifies/Support essential comparison criteria points substantiated by evidence from the research/course materials. Demonstrates a capacity to explain and apply relevant concepts. Identify logical flaws. Questions viewpoints of experts.	Demonstrates an advance level of comparison is provided by the student over a range of aspects and including future expansion and flexibility in the discussion. Well demonstrated capacity to explain and apply relevant concepts. The viewpoint of experts is subject to questioning. Analysis and evaluation reflect growing judgement, intellectual independence, rigor and adaptability.	Expert level of comparison is provided by the student over a range of aspects and including future expansion and flexibility in the discussion. Information is taken from sources with a high level of interpretation/evaluation to develop a comprehensive critical analysis or synthesis. Identifies gaps in knowledge. Exhibits intellectual independence, rigor, good judgement and adaptability.
Correct citation of key resources and	Demonstrates inconsistent use of good quality, credible and relevant resources to support and	Demonstrates some use of credible and relevant resources to support and develop ideas, but these are	Demonstrates the use of high quality, credible and relevant resources to support and develop ideas.	Demonstrates the use of good quality, credible and relevant resources to support and develop	Demonstrates the use of high-quality, credible and relevant resources to support and develop

evidence Demonstrates appropriate use and referencing of resources, including correct in-text and reference list composition 10%	develop ideas.	not always explicit or well developed.		arguments and statements. Shows evidence of wide scope within the organisation for sourcing evidence	arguments and position statements. Shows evidence of wide scope within and without the organisation for sourcing evidence
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The following Subject Learning Outcomes are addressed in this assessment	
SLO a)	Demonstrate an understanding of the fundamentals of Cloud Computing.
SLO b)	Compare and contrast the Cloud infrastructure and the traditional IT infrastructure.
SLO d)	Compare, contrast and validate different cloud service models utilising services by major cloud providers.