



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**SCHOOL OF COMPUTING**  
Faculty of Engineering

## Semester I 2020/2021

Subject : Technology and Information Systems (SECP1513)  
Task : Cloud Computing Fundamentals – Literature Review on Cloud Computing Service Providers.  
Due : 20<sup>th</sup> January 2021  
(submit softcopy via e-learning and copy to e-portfolio)  
*Group submission for e-learning (docx/doc) & individual for e-portfolio.*

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### Instruction:

Students are required to write a group report regarding the topic of Cloud Computing Fundamentals. The report should be written based on *literature review* report format.

*More details, please refer to:*

<https://www.capstoneediting.com.au/resources/the-literature-review-a-guide-for-undergraduates>

This report will be 7% of the course assessment.

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The report should include an introduction, the main body (content) should discuss TWO (2) main parts (comparative evaluation and opinions), conclusion and references. The report should be written in 4 pages using the Springer conference paper template provided (Springer-conference-template.docx). Create your own suitable title for your report. No need to include abstract and keyword. You should format your report the more like the better to the example of paper given.

The content of the literature review report should include:

a) Comparative Evaluation

Do research on the most prominent Cloud Computing Service Providers; **Amazon EC2, Google Cloud Platform, and Microsoft Azure** and write a detailed comparison and discussion. Focus on the following comparative points:

- Service model (IaaS, PaaS, SaaS)
- Virtual Machine (VM) instance types offered (such as micro, small, medium, large etc.)
- Storage
- OS environments offered
- Security
- Performance and scalability
- Pricing model
- Auto-Scaling/Elasticity
- Monitoring tools/service provided

b) Opinions

Analyze the advantage and disadvantages of different types of cloud platforms. Assuming you are required to select 1 (one) of the cloud service provider for your software development, discuss your selection and opinions supported with strong arguments.

Every student (group) should write the report in your own words. **PLAGARISM of the content is prohibited.** If any of the content is known to be copied from other website/review/article/blogs, you will be given **0 mark!!** You can get photos/information from other resources, but you must **include credits (in citation/link)** to the original owners.

**Literature Review Report Rubric**

**Task Description: Literature Review on Cloud Computing Service Providers (group).**

Criteria	Excellent 10-7	Fair 6-4	Poor 3-0
Site Description	Report contents: introduction, the main body (content) should discuss TWO (2) main parts (comparative evaluations and challenges), conclusion and references.		
	All contents included	Included but not well covered	Included but poorly covered
Organization	Good organization, points are logically ordered.	Some organization, points are jumpy.	Poorly organized, no logical progression.
Relevance Theoretical Background	Adequate reference to key theoretical literature.	Brief reference to key theoretical literature.	No reference to key theoretical literature.
Breadth of comparison	Adequate presentation of comparison inherent in research. Adequate supporting literature.	Comparison too broad. Literature supporting is inadequate.	No subtopics present.
Statement and Support of Opinions	Opinions are stated clearly. All opinions are supported with strong arguments.	Opinion does not make sense. Opinions are supported, but arguments are weak.	No opinion is given. Opinions are not supported.
Formatting: Proper use of literature review writing template	Follow literature review writing template to represent the content of your report.	Limited use of literature review writing template to represent the content of your report.	No literature review writing template is used to represent the content of your report.
Use of Tables & Figures	Appropriate use of tables and/or figures effectively to show the understanding regarding the topic with the correct format.	Limited use of tables and/or figures effectively to show the understanding regarding the topic with the correct format.	No tables and figures are used.

<b>Grammar, Usage, and Spelling</b>	No errors.	Some errors.	Numerous errors distract from understanding
<b>Citations</b>	All citations are presented and correctly formatted.	Citations within text and bibliography are presented with frequent inconsistencies or errors.	Text and bibliography citations are missing.
<b>Timeliness</b>	Report on time	Report one day late	Report more than one day late