14/10/2023, 12:38 OneNote

## Portfolio Part 2: Cloud Implementation

Monday, 2 October 2023 3:16 pm

## Portfolio Part 2: Cloud Implementation (Weighting 40% overall)

Provide evidence of a basic Cloud Services implementation, to meet the requirements of a scenario.

The labs you have conducted in AWS ACF provide the experience and skills you will need, to plan and implement a suitable solution:

## Scenario



## Support

Collaboration between students to find solutions to challenges is allowed, however ultimately every student must submit your own implementation. (You cannot just be a consultant).

You are <u>welcome to use our existing Moodle Forum</u> or any other method to collaborate through issues.

https://medium.com/@whollydeals/knowing-the-difference-

"Port Hills Thrills" is a flourishing adventure Tourism business, facilitating a range of exciting outdoor activities provided by a team of six trained guides.

"Port Hills Thrills" are on a tight budget. They require you to provide a cheap cloud-based web server, with a decoupled data tier using a managed database service, thus providing resilience\* of their product and customer data.

Because of cost-constraints, the customer understands the website is limited. It will simply allow customers to browse and select from the range of outdoor activities available, and to make calendar bookings only, allocating customers to the trained guides appropriately. You need to avoid any guide or activity getting double booked. (You can creatively imagine what these activities might be :-))

\* you only need resilience in the sense of decoup expected to implement "multi-az" (multiple avai

Prove that the bookings have been stored in RDS:

- Ideally "Port Hills Thrills" staff should be able to log in and view the bookings made, and the guides should be able to print out their appointments.
- (An acceptable fallback for this assessment, is to simply use mysql commands to login to RDS and demonstrate that the bookings have been stored).

To keep costs low - at this stage customers will pay in-person on the day. The website IS NOT expected to perform any financial transactions.

However the site should collect customer details (name, address, mobile phone numbers and age) for follow-up purposes.

Because of the tight budget, "Port Hills Thrills" only need **one compute instance, and one decoupled database**.

Resilience of compute is **not expected**, therefore there is **no need** for scaling, load balancing or multiple EC2s across

**confirmer tation** the screenshots, to show me how you set up the solution.

You can choose how to host this shop website, perhaps using <u>simple HTML code</u> on a web server, or by installing a free App such as WordPress, as a way to display articles that showcase the shops products.

(p.s.: Word ress provides an easy way to connect from its' web-tier compute to a decoupled database service).

Refer to wrond the seamen instanting word pressure that an entering the seament of the seament o

You will need to verify your implementation.

- <u>Word Thisscans বিনাধ প্রিয়</u>e ঋপ **এই চিন্ত ধান্ত মন্ত ধান্ত মন্ত ধান্ত মন্ত প্রাপ্ত মন্ত প্রাপ্ত মন্ত বিনাধ বিন্তু হালে প্রাপ্ত মন্ত বিনাধ বিন্তু হালে বিনাধ বিনাধ**
- What is Wordness Head Eorquestion-and-answer conversation and /or screen-sharing evidence of your

The websitens can just be a text description. There is no need to essentially a few points and the second illustrating 2-3 activities. The other activities can just be a text description. There is no need to essentially a few points and the second in the

# An idea is to create another OneNote page to store your setup notes.

The reflection notes only need to be **around 600 words long** (approx 1 page) and the content is flexible. You could **Outputs** of the ideas below, or your own idea, as long as it is relevant to your cloud implementation learning.

Your outputs will consist of Evidence and Reflection items, both to be submitted in OneNote. Ideas for reflection:

- Make notes similar to a design document, including topology diagram, where you advise "Port Hills Thrills" how your design meets their needs.
- Evidents of intelspot thing angular and from
- Kenerrykingersektor de differently?

  Warsh would vou de differently?

14/10/2023, 12:38 OneNote

the screenshots, to show me how you set up the solution.

You can choose how to host this shop website, perhaps using <u>simple HTML code</u> on a web server, or by installing a free App such as WordPress, as a way to display articles that showcase the shops products.

(p.s.: WordFries 3 Fibilities an easy way to connect from its' web-tier compute to a decoupled database service).

You willing earth exprise haritwer it the working rest en putting is the bases. Whet sace bap will need to verify your implementation.

- <u>Word Thiss-নাম বিনা ৰাত্</u>যুত্ত খিত্য **এই চিত্ৰ সংঘাত ৰাম্যনিত বৃত্তি হুত্ত হ'ব** Teams video-conference session with the teacher.
- What is Wordpress Wised Forquestion-and-answer conversation and /or screen-sharing evidence of your
  The website 19 to the conversation and /or screen-sharing evidence of your

need the Been kelepun better printer your hyperiten tell, a need to the activities bull palable a texture interfact this research printer to the contraction of the

# An idea is to create another OneNote page to store your setup notes.

The reflection notes only need to be **around 600 words long** (approx 1 page) and the content is flexible. You could **Chappents** of the ideas below, or your own idea, as long as it is relevant to your cloud implementation learning.

Your outputs will consist of Evidence and Reflection items, both to be submitted in OneNote.

Ideas for reflection:

- Make notes similar to a design document, including topology diagram, where you advise "Port Hills Thrills" how your design meets their needs.
- Eviden Foot intelegoe etation one ade to the provided and established to the control of the con
- NEMECTOR TO BE AND THE PROPERTY OF THE PROPERTY
- Reflect on other ways "Port Hills Thrills" could implement a Cloud Solution (such as Lambda server-less compute) how
  that might be done, and what are the pros and cons.
- Reflect on how "Port Hills Thrills" could enhance their solution in the future, if the company grows and becomes multinational.
- ... or your own idea as long as it is relevant to your Cloud implementation learning.

The screenshots with text commentary, and the reflection notes should all be submitted into your **Cloud Implementation** *tab in OneNote*.

The requirements of Portfolio Part 2 and some implementation tips, will be discussed further in class.

Please refer to the marking schedule.

The Due date for Portfolio Part 2: Cloud Implementation is Friday 24 November 2023