

CPET 590 Cloud Computing Technologies Assignment 5

Assigned date: 2/27/2017

Items Needed:

- **due 3/13/2017 before 4PM**

Items Needed: (1) Your Cloud Service Task Force Report # 3 in Microsoft Word file and (2) a PPT slide as email attachments

Lincoln Financial group's top management team decides to provide \$200 K funding for Lincoln Innovative Cloud Service Task Force for implementing a pilot project for "**Lincoln Enterprise Cloud Computing Initiatives**" as proposed.

The funding of \$200K for this project is for exploring various new Cloud Computing service (SaaS, PaaS, IaaS, etc) and related supporting technologies so that the company can stay innovative, competitive and possibly increase their capabilities, revenue/sales, and expand their global markets.

The major tasks during the kick-off phase of this **Lincoln Enterprise Cloud Computing Initiative** project are listed below.

- 1) The Cloud Service Task Force** should explore the available services, service providers, cost, etc. for consideration.
 - Commodity IT
 - Administrative Support IT, and
 - Mission Critical IT

- 2)** For each cloud service, the Task Force is asked to identify at least three service providers for comparison purposes. A set of comparison criteria must also be established. And a recommend for pilot project selection is also expected.

- 3)** The Task Force is also asked to prepare a **Project Proposal or Plan** with the following sections and should complete the reporting needed for "The Conceptualization Phase."
 - Project Proposal/Plan
 - Project Title
 - Executive Summary (or Project Summary)
 - Problem Statement and/or Needs
 - Project Objectives
 - Important Benefits, ROI, etc
 - Project Management Process and Approach (Reference: This project will be implemented through the following IT life cycle phases with major project tasks, deliverables, progress report and reviews)
 - Conceptualization Phase (with all the needed Visio diagrams)
 - Feasibility Study Phase (including all sections listed above)
 - Preliminary Planning Phase (Requirement Definitions)
 - Detailed Planning Phase
 - Execution Phase
 - Testing and Commissioning Phase

- Final Project Report, Presentation, and Demo
- References

Assignment 4

Assigned date: 2/18/2017

Items Needed:

- **due 2/22/2017 before 4PM**

Items Needed: (1) Your Cloud Service Task Force Report # 2 in Microsoft Word file (2) a PPT slide) as email attachments

1. Group the Lincoln Financial groups IT services into the three categories: Commodity IT, Administrative Support IT, and Mission Critical IT; give their definitions and map to their actual products/services/operations etc.
2. Map these three types of IT services into Cloud Service Models: PaaS, SaaS, and IaaS; and Deployment Models; and four Deployment Models: Private Cloud, Community Cloud, Public Cloud, and Hybrid Cloud; Also give your rationale of why they are in the categories that team would suggest.
3. Update your Lincoln Innovative Cloud Service Task Force Report.

Also making sure that the team should assess the progress of assigned tasks from Hw3 (**completed, more time and research needed, etc. based on the suggested feedback given**):

Assignment 3

Assigned date: 2/1/2017

Due Date: 2/15/2017, before 4:30 PM

Items Needed: 1) Task Force Study Report, 2) a PPT slide; as email attachments.

Assume that you are an IT manager of Lincoln Financial Services and there is a need to consider using on demand services during quarterly report preparation time period. You want to form Innovative Cloud Service Task Force. The missions of this newly formed Task Force are:

1. Identify possible cloud-based IT services that help (a) to increase return on investment, (b) eliminate waste and duplications, (c) improve the effectiveness of IT solutions, and (d) explore other possible business growth and expansion opportunities
2. Conduct research, evaluation, assessment, and make recommendation on cloud services related technology, standards for Lincoln Financial Services
3. Create a Cloud Services implementation strategy
4. Oversee the Lincoln's ProofConceptCloud implementation and Outcome Assessment.

The assignments as listed below were considered by the Task Force

- 1) Identify possible IT services that have a potential to move to the cloud.
- 2) Gather and compile the needed information on:
 - a. Public cloud services and vendors, platforms, service fees, and related key SLA info, etc.
- 3) Gather and compile the needed information on:
 - a. Private cloud vendors, system types and platforms
- 4) Design a set of evaluation metrics for Cloud provider/service selection
- 5) Research on available Services monitoring, tools, and vendors/providers for cloud service performance, availability monitoring
- 6) Identify a list of security rules and regulations and related restrictions and potential impact.

Your team is also asked to prepare a Summary Report (in MS Word, with report title, outlines, Executive Summary, ... and concluded with your team's Recommendation, and a Reference section) for this assignment) and present (PPT file) to the Task Force for review and feedback.