**Case Study 1: The Brazilian Federal Data Processing Service**

Read the case study titled, “Brazil to fortify government email system following NSA snooping revelations,” located on the attachment.

Use the Internet to research the architectures that other government organizations and intelligence agencies use for email privacy, if any.

Write a three to four (2-3) page paper in which you:

1. Examine the proposed business ethical problem that the Brazilian Federal Data Processing Service is presently experiencing. Determine whether you agree or disagree that Brazil’s problem is an ethical one that should be corrected. Provide a rationale for your response.
2. Assess the levels of security deficiencies inherent in the Brazilian Federal Data Processing Service original enterprise architecture. Conclude whether or not Brazil could have previously considered its current problem and built an original architecture that would have prevented the problem in question. Provide a rationale for your response.
3. Evaluate the quality of the Brazilian Federal Data Processing Service’s proposed architecture plan geared toward solving the security problem. Suggest two (2) other possible architecture solutions that the Brazilian Federal Data Processing Service should consider. Justify your response.
4. Determine whether or not one (1) of the governments or intelligence agencies that you researched has taken precautions to avoid a security breach similar to the one that the Brazilian Federal Data Processing Service had experienced. If this government organization or intelligence agency has taken precautions to avoid a similar security breach, provide one (1) example of such a precaution. If this government organization or intelligence agency has not taken precautions to avoid a similar security breach, recommend one (1) action that it can take in order to avoid a similar security breach.
5. Use at least three (3) quality resources in this assignment. **Note:** Wikipedia and similar Websites do not qualify as quality resources.

Your assignment must follow these formatting requirements:

* Be typed, double spaced, using Times New Roman font (size 12), with one-inch margins on all sides; citations and references must follow APA or school-specific format. Check with your professor for any additional instructions.
* Include a cover page containing the title of the assignment, the student’s name, the professor’s name, the course title, and the date. The cover page and the reference page are not included in the required assignment page length.

The specific course learning outcomes associated with this assignment are:

* Analyze the types of organizational and computer architectures for integrating systems.
* Develop an enterprise architecture plan to address and solve a proposed business ethical problem.
* Use technology and information resources to research issues in enterprise architecture.
* Write clearly and concisely about Advanced Computer Architecture topics using proper writing mechanics and technical style conventions.

**Note:** Use quality resources and assignment will be check for plagiarism

Grading for this assignment will be based on answer quality, logic / organization of the paper, and language and writing skills, using the following rubric.

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| **Points: 130** | **Case Study 1:** **The Brazilian Federal Data Processing Service** | | | |
| **Criteria** | **Unacceptable** **Below 70% F** | **Fair** **70-79% C** | **Proficient** **80-89% B** | **Exemplary** **90-100% A** |
| 1. Examine the proposed business ethical problem that the Brazilian Federal Data Processing Service is presently experiencing. Determine whether you agree or disagree that Brazil’s problem is an ethical one that should be corrected. Provide a rationale for your response. Weight: 20% | Did not submit or incompletely examined the proposed business ethical problem that the Brazilian Federal Data Processing Service is presently experiencing. Did not submit or incompletely determined whether you agree or disagree that Brazil’s problem is an ethical one that should be corrected. Did not submit or incompletely provided a rationale for your response. | Partially examined the proposed business ethical problem that the Brazilian Federal Data Processing Service is presently experiencing. Partially determined whether you agree or disagree that Brazil’s problem is an ethical one that should be corrected. Partially provided a rationale for your response. | Satisfactorily examined the proposed business ethical problem that the Brazilian Federal Data Processing Service is presently experiencing. Satisfactorily determined whether you agree or disagree that Brazil’s problem is an ethical one that should be corrected. Satisfactorily provided a rationale for your response. | Thoroughly examined the proposed business ethical problem that the Brazilian Federal Data Processing Service is presently experiencing. Thoroughly determined whether you agree or disagree that Brazil’s problem is an ethical one that should be corrected. Thoroughly provided a rationale for your response. |
| 2. Assess the levels of security deficiencies inherent in the Brazilian Federal Data Processing Service original enterprise architecture. Conclude whether or not Brazil could have previously considered its current problem and built an original architecture that would have prevented the problem in question. Provide a rationale for your response. Weight: 20% | Did not submit or incompletely assessed the levels of security deficiencies inherent in the Brazilian Federal Data Processing Service original enterprise architecture. Did not submit or incompletely concluded whether or not Brazil could have previously considered its current problem and built an original architecture that would have prevented the problem in question. Did not submit or incompletely provided a rationale for your response. | Partially assessed the levels of security deficiencies inherent in the Brazilian Federal Data Processing Service original enterprise architecture. Partially concluded whether or not Brazil could have previously considered its current problem and built an original architecture that would have prevented the problem in question. Partially provided a rationale for your response. | Satisfactorily assessed the levels of security deficiencies inherent in the Brazilian Federal Data Processing Service original enterprise architecture. Satisfactorily concluded whether or not Brazil could have previously considered its current problem and built an original architecture that would have prevented the problem in question. Satisfactorily provided a rationale for your response. | Thoroughly assessed the levels of security deficiencies inherent in the Brazilian Federal Data Processing Service original enterprise architecture. Thoroughly concluded whether or not Brazil could have previously considered its current problem and built an original architecture that would have prevented the problem in question. Thoroughly provided a rationale for your response. |
| 3. Evaluate the quality of the Brazilian Federal Data Processing Service’s proposed architecture plan geared toward solving the security problem. Suggest two (2) other possible architecture solutions that the Brazilian Federal Data Processing Service should consider. Justify your response. Weight: 25% | Did not submit or incompletely evaluated the quality of the Brazilian Federal Data Processing Service’s proposed architecture plan geared toward solving the security problem. Did not submit or incompletely suggested two (2) other possible architecture solutions that the Brazilian Federal Data Processing Service should consider. Did not submit or incompletely justified your response. | Partially evaluated the quality of the Brazilian Federal Data Processing Service’s proposed architecture plan geared toward solving the security problem. Partially suggested two (2) other possible architecture solutions that the Brazilian Federal Data Processing Service should consider. Partially justified your response. | Satisfactorily evaluated the quality of the Brazilian Federal Data Processing Service’s proposed architecture plan geared toward solving the security problem. Satisfactorily suggested two (2) other possible architecture solutions that the Brazilian Federal Data Processing Service should consider.  Satisfactorily justified your response. | Thoroughly evaluated the quality of the Brazilian Federal Data Processing Service’s proposed architecture plan geared toward solving the security problem. Thoroughly suggested two (2) other possible architecture solutions that the Brazilian Federal Data Processing Service should consider. Thoroughly justified your response. |
| 4. Determine whether or not one (1) of the governments or intelligence agencies that you researched has taken precautions to avoid a security breach similar to the one that the Brazilian Federal Data Processing Service had experienced. If this government organization or intelligence agency has taken precautions to avoid a similar security breach, provide one (1) example of such a precaution. If this government organization or intelligence agency has not taken precautions to avoid a similar security breach, recommend one (1) action that it can take in order to avoid a similar security breach. Weight: 20% | Did not submit or incompletely determined whether or not one (1) of the governments or intelligence agencies that you researched has taken precautions to avoid a security breach similar to the one that the Brazilian Federal Data Processing Service had experienced. Did not submit or incompletely provided one (1) example of a precaution, if this government organization or intelligence agency has taken precautions to avoid a similar security breach. Did not submit or incompletely recommended one (1) action that it can take in order to avoid a similar security breach, if this government organization or intelligence agency has not taken precautions to avoid a similar security breach. | Partially determined whether or not one (1) of the governments or intelligence agencies that you researched has taken precautions to avoid a security breach similar to the one that the Brazilian Federal Data Processing Service had experienced. Partially provided one (1) example of a precaution, if this government organization or intelligence agency has taken precautions to avoid a similar security breach. Partially recommended one (1) action that it can take in order to avoid a similar security breach, if this government organization or intelligence agency has not taken precautions to avoid a similar security breach. | Satisfactorily determined whether or not one (1) of the governments or intelligence agencies that you researched has taken precautions to avoid a security breach similar to the one that the Brazilian Federal Data Processing Service had experienced. Satisfactorily provided one (1) example of a precaution, if this government organization or intelligence agency has taken precautions to avoid a similar security breach. Satisfactorily recommended one (1) action that it can take in order to avoid a similar security breach, if this government organization or intelligence agency has not taken precautions to avoid a similar security breach. | Thoroughly determined whether or not one (1) of the governments or intelligence agencies that you researched has taken precautions to avoid a security breach similar to the one that the Brazilian Federal Data Processing Service had experienced.  Thoroughly provided one (1) example of a precaution, if this government organization or intelligence agency has taken precautions to avoid a similar security breach. Thoroughly recommended one (1) action that it can take in order to avoid a similar security breach, if this government organization or intelligence agency has not taken precautions to avoid a similar security breach. |
| 5. 5 references Weight: 5% | No references provided. | Does not meet the required number of references; some or all references poor quality choices. | Meets number of required references; all references high quality choices. | Exceeds number of required references; all references high quality choices. |
| 6. Clarity, writing mechanics, and formatting requirements Weight: 10% | More than 6 errors present | 5-6 errors present | 3-4 errors present | 0-2 errors present |