

Specialist English: Assignment 8

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Last updated: January 4, 2019

Problem 1

In this system, both data owners and data requesters/receivers are users, as displayed in Fig. 1. The trusted authority is a trusted party to generate public keys (PK), master keys (MK) for data encryption and secret keys (SK) for each data requester/receiver. The Cloud Servers are assumed to be semi-trusted. We employ them to be in charge of storing our encrypted data. Data owners send ciphertext blocks (CTB) to the cloud servers so that data requesters/receivers can obtain the ciphertext blocks.

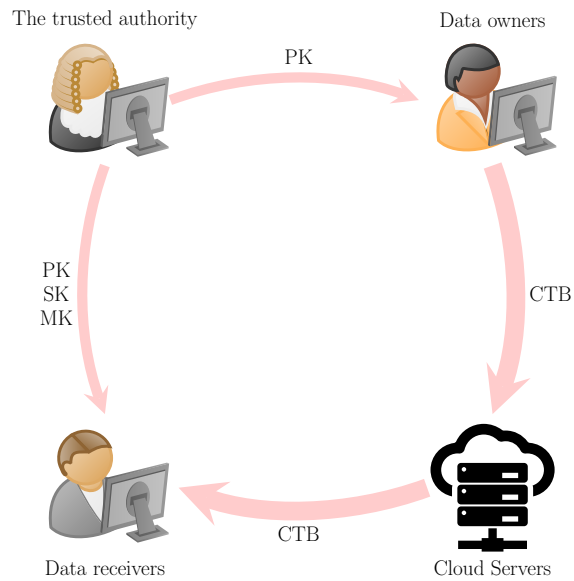


Fig. 1. System Model

Problem 2

1. Q: identify four distinct words which are unnecessary;
A: (a) “Provider” is unnecessary in “Cloud Provider 1”, “Cloud Provider 2”, “Edge Provider 1”, and “Edge Provider 2”. The word “providers” in “Game between service providers” is enough to let readers know those are providers; (b) “Legend” is unnecessary, because it is obviously a legend; (c) “Mechanism” is unnecessary, because “manager” in “System manager” implies “Mechanism”; and (d) “app” is unnecessary. I think it is useless in this figure and tell us nothing. We can delete “app” and replace “clients” with “client apps”.
2. Q: identify three imperfections.
A: (a) the text is part of the image (not searchable); (b) the font doesn’t match the font of the paper; and (c) capitalization is inconsistent, such as “Cloud Provider 1”, “System manager”, and “clients”.

Problem 3

1. Q: What are two plausible (but distinct) meanings for “shown” in “As shown in Figure [foo]” in a computer science paper? What is the meaning of the word “shown” in “As shown in Fig. 4(a)” ?
A: Two plausible meanings for “shown” in “As shown in Figure [foo]” are: (a) “displayed” ; and (b) “proved” or “demonstrated”.
The meaning of the word “shown” in “As shown in Fig. 4(a)” is “displayed”.
2. Q: How do we correct the grammar in “HOUTU is of the decentralized architecture”?
A: We can correct the grammar in “HOUTU is . . .” by replacing “of the” with “a”. After this correction, this sentence is changed to “HOUTU is a decentralized architecture, which . . .”.