Know What You're Doing: Understanding the Security (Mis)conceptions of

Cloud Technology Workforce in Bangladesh

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Introduction

Inspiring Excellence

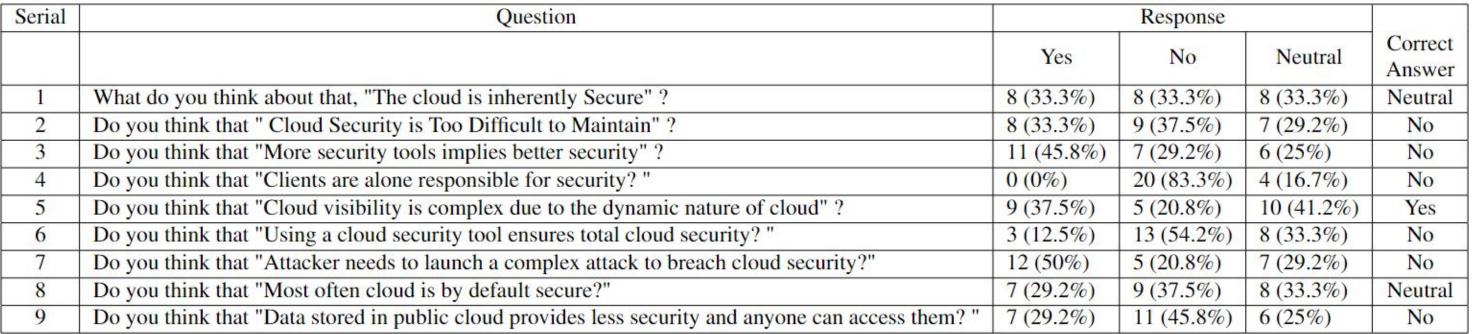
- The global cloud computing market will grow from \$570 billion in 2022 to \$3 trillion by 2030, at a 20% annual rate.
- Existing studies focus on the Global North, perceptions of the Global South professionals regarding cloud security are underexplored.

Objective

Understanding the security misconceptions of the cloud technology workforce in Bangladesh.

Method

- Surveyed 24 Bangladeshi cloud professionals, including cloud engineers, DevOps engineers, and developers, using snowball sampling.
- Responses were gathered via a Google Form with a 5-point Likert scale, distributed through email and WhatsApp.
- Questions were based on literature and the authors' expertise, including over a decade of cloud technology experience by one author.



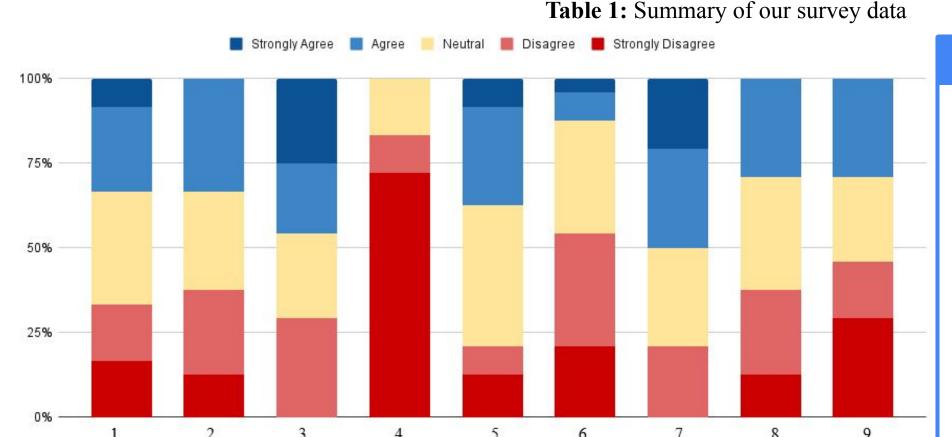


Figure 1: Survey data in Likert scale (Questions are in the same sequence as Table 1)

Results

- Many cloud professionals in Bangladesh lack the necessary security knowledge.
- In many cases, they agree with incorrect statements.
- Understanding of some critical concepts is still vague.

Discussion and Future Work

- Our study identifies the misconceptions among Bangladeshi cloud professionals about security mechanisms, shared responsibilities, and tools.
- We recommend proper guidelines and enhanced training for better understanding of cloud security and privacy.
- We aim to recruit more participants from diverse backgrounds to obtain a comprehensive understanding of the security misconceptions of the cloud technology workforce in Bangladesh.