A: Questionnaire Survey

Questionnaire Survey Form

Dear Sir/Madam, I am a Research Scholar from the Department of Information Technology, Nims University Rajasthan. Carrying out a research work (Ph.D. Thesis) on the topic: “A STUDY OF PRIVACY AND SECURITY ISSUES IN SPI, DEPLOYMENT MODELS AND TECHNOLOGIES OF CLOUD COMPUTING” in partial fulfillment for the Award of Doctor of Philosophy Degree in Information Technology. The survey questionnaire is required by this research work and is part of a study designed to investigate the security issues in Cloud computing services, deployment models and technologies. This research is mainly for academic purpose. All information given will be treated with utmost confidentiality; your response will be highly appreciated.

1. Do you know what Cloud Computing is all about?
   ☐ Yes
   ☐ No

2. Do you make use of Cloud Computing (Like Using eMail, web hosting, database storage and others?)
   ☐ Yes
   ☐ No

3. What are some of the reasons why you are using Cloud Computing (Usefulness)?
   ☐ Remove economic/expertise barriers impeding to modernize business processes by the introduction of Information Technology
   ☐ Avoiding capital expenditure in hardware, software, IT support, Information Security by outsourcing infrastructure/platforms/services (Low investment cost)
   ☐ Flexibility and scalability of IT resources
Increasing computing capacity and business performance

- Diversification of IT systems
- Local and global optimization of IT infrastructure through automated management of virtual machines
- Business Continuity and Disaster recovery capabilities (Easy Recovery of Data)
- Access to services and Data 24/7 globally
- Adding redundancy to increase availability and resilience
- Controlling marginal profit and marginal costs
- Others (specify)

4. Which Deployment Models of Cloud computing do you see as the most suitable for you/organization?
   - Public Cloud (owned and managed by an unrelated business)
   - Private Cloud (owned and managed internally)
   - Community Cloud (owned and managed by a trusted partner)
   - Hybrid Cloud (Combination of public, private, community or hybrid).
   - Other (Please Specify)

5. Which “Service Model” of the Cloud would you be most likely to approach?
   - SaaS (Individual software packages)
   - PaaS (Complete operating system and software package available via cloud services)
   - IaaS (Just infrastructure services such as storage, network capacity etc)
   - Other (please specify)

6. What are your main concerns in your approach to Cloud Computing?
Privacy/Security concerns
Availability of Services and or Data
Transformation of Business Enterprises
Denial of Services
Loss of Control of Services and Data
Lack of Liability of Providers in case of Security incident
Inconsistency between transnational Laws and Regulations
Difficulty of Migration to the cloud
Intra-cloud (Vendor Lock-in Migration)

Other (please specify)

7. Do you agree that the usage of cloud computing is a method of attaining competitive advantage by investing little capital (Low Investment Cost)

1. Strongly Disagree
2. Disagree
3. Neutral
4. Agree
5. Strongly Agree

8. Is Cloud Computing effective in the context of Big Data Storage and Management

[ ] Yes
[ ] No

9. Do you agree that Cloud Usage Improves Business Performance that leads to operational Excellence (Elasticity)

1. Strongly Disagree
2. Disagree
3. Neutral
4. Agree
5. Strongly Agree
1. Strongly Disagree
2. Disagree
3. Neutral
4. Agree
5. Strongly Agree

10. Do you agree that Cloud Computing Improves Decision Making by enabling Worldwide Access?

1. Strongly Disagree
2. Disagree
3. Neutral
4. Agree
5. Strongly Agree

11. Does Cloud Service Providers (CSP) Provide a Maximum Security to clients?

☐ Yes
☐ No

12. As a User do you think the security in cloud computing needs to be improved?

☐ Yes
☐ No

13. Does Cloud Service Provider (CSP) allow user to select a separate specific location for Data backup?

☐ Yes
☐ No
☐ May be

14. Does Cloud Service Provider (CSP) allow user to select a specific location for the use and or storage of data?

☐ Yes
☐ No
☐ May be
15. Does Cloud Service Providers (CSP) adhere to any establishment governing framework involving Data Security Control as agree in Service Level Agreement (SLA)

- [ ] Yes
- [ ] No
- [ ] May be

16. How related is the security concern from Cloud Service Providers (CSP) perspective and Users Perspective.

- [ ] Directly Related
- [ ] Indirectly Related

17. Do you think using Cloud System in Storing Data is

- [ ] Safer
- [ ] Neutral
- [ ] Not Safer

18. Do you think the general security in cloud computing framework (Services, Deployment and Technologies) needs to be further improved by developing a Model that will guarantee little or no security risk?

- [ ] Yes
- [ ] No

Thank You for taking your time to fill the survey form.