

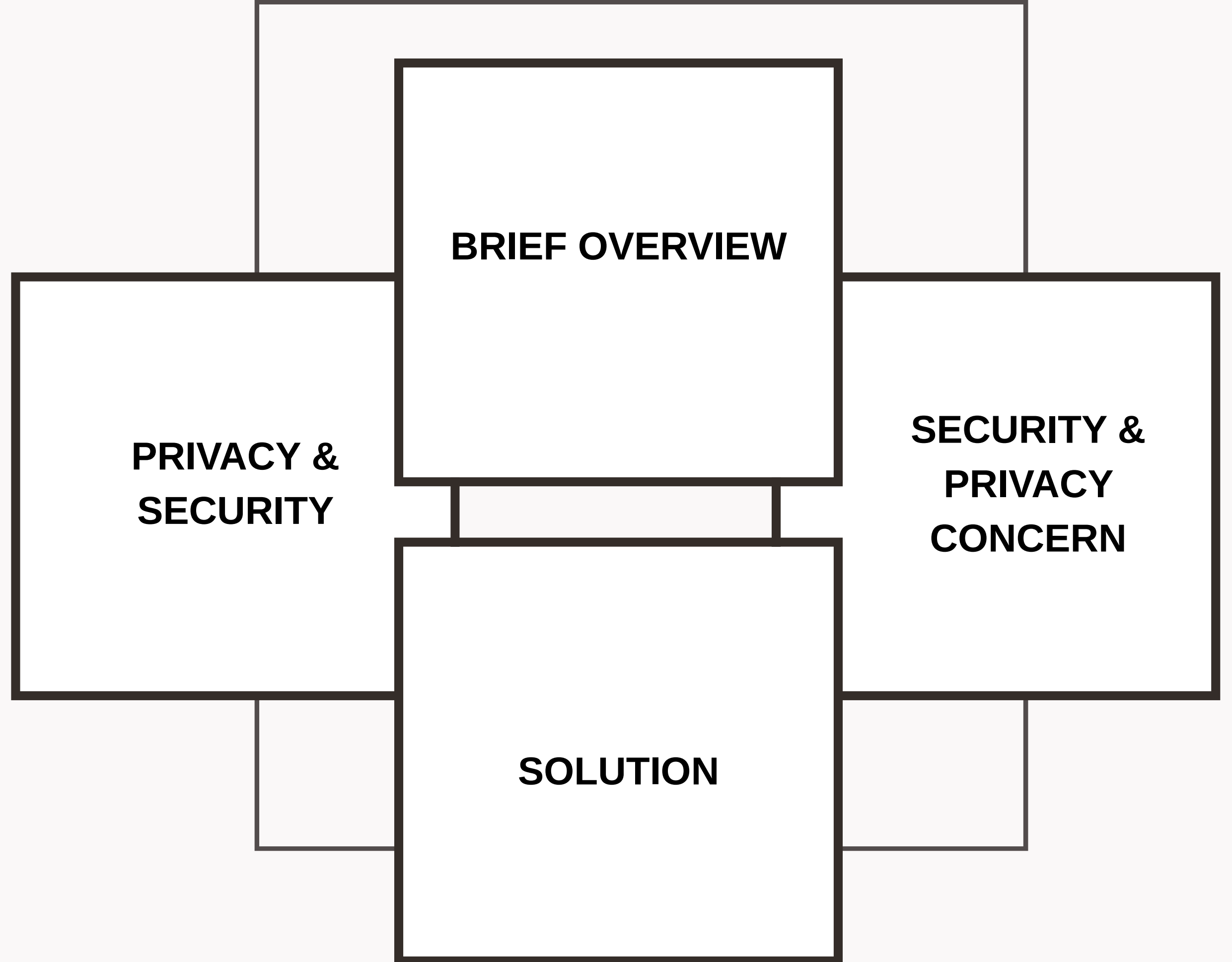
Research Paper

SECURITY AND PRIVACY ISSUES OVER THE CLOUD ENVIRONMENT

Tags: # Tutors India Topics # Cloud Computing # Security & Privacy issues # Machine Learning Techniques

Trending Research Methodologies in Cloud Computing, Engineering & Technology.

GIST





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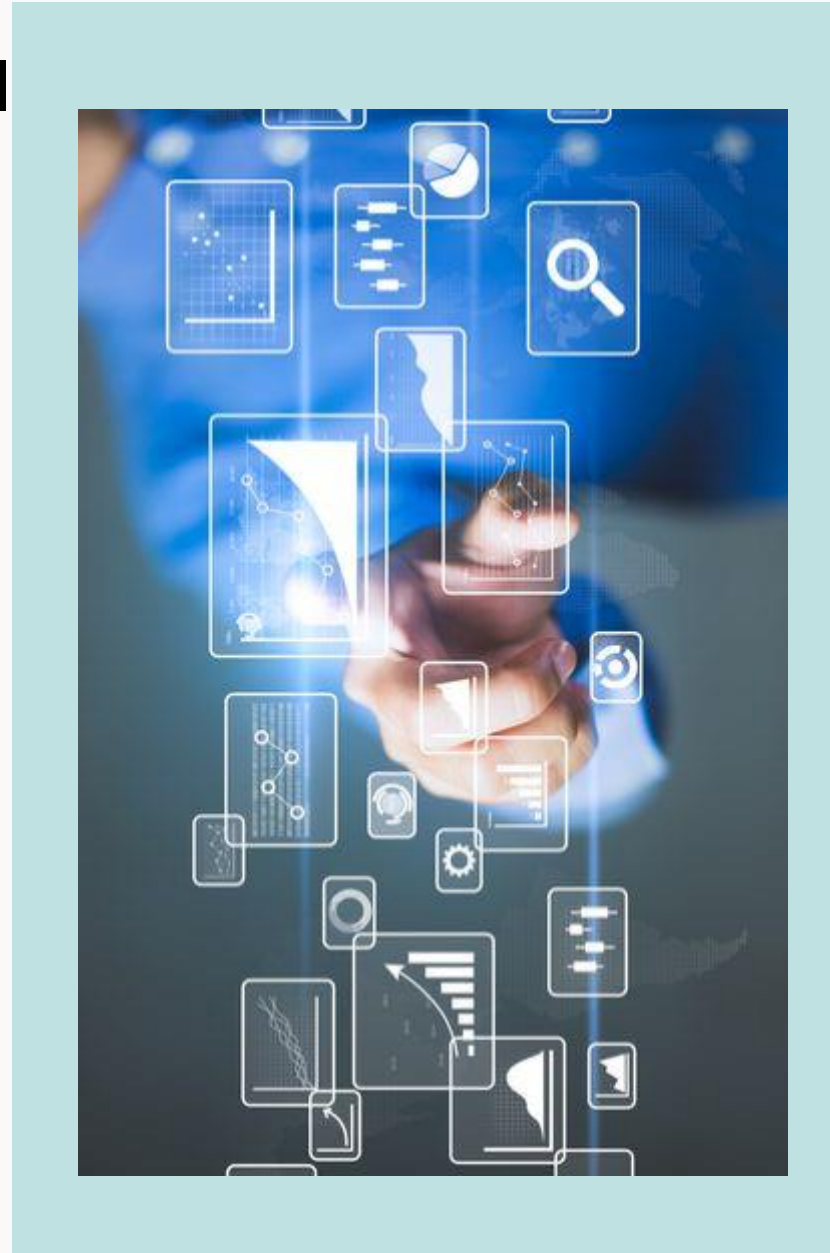
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TutorsIndia Lab @ TutorsIndia.Com

Engineering & technology (E&T) Lab at TutorsIndia is involved in exploring novel research areas by conducting dynamic research. It promotes innovation in all fields of engineering by advancing the technology with structured and continuous research. The problems and challenges faced by the existing technologies and trends are explored by our researchers exists in scholarly literature, in theory, or in practices that needs deliberate investigation These problems are identified and fixed by our researchers by suggesting better novel alternatives with appropriate tools, technologies and approaches, thereby proving their effectiveness in real time applications.

Various organization, government sector, social network website and medical applications that serve around millions of web page views per day, but the storage and maintenance of these huge data becomes complex and cannot be handled by traditional data management systems

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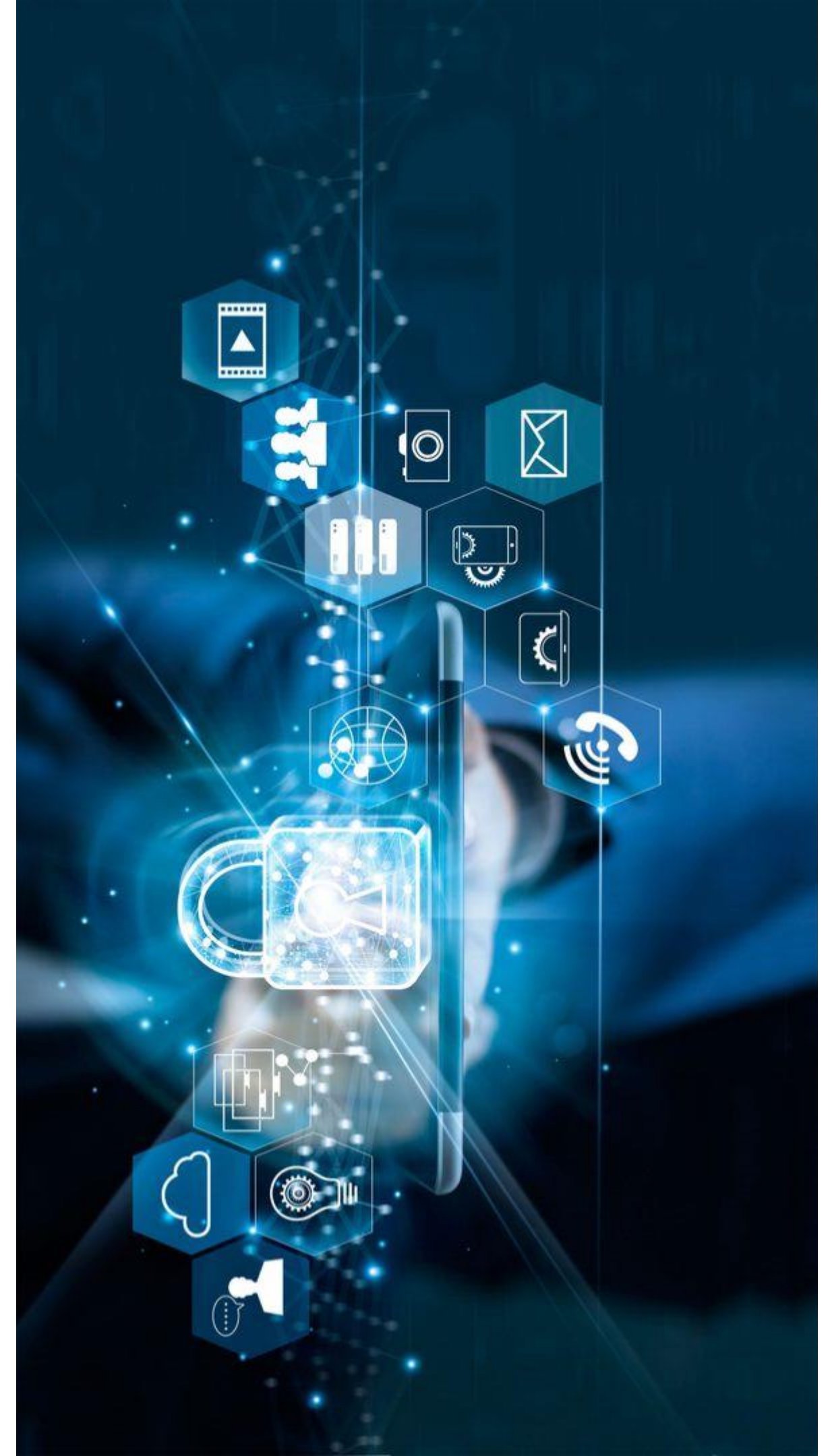
2

Need of new frameworks, platforms and novel techniques for data safety, data management, privacy maintenance, and data analytics.

PRIVACY & SECURITY

Special focus required for security and privacy issue, the following questions are significant issues of our data.

***“How to make good use of data,
How to maintain the user privacy,
How to guarantee data availability
While ensuring the data security”.***





SECURITY & PRIVACY CONCERN

Effective solution toward solving the privacy and security issues.

Protects the sensitive information and the data has been encrypted through data owner before upload to the trusted cloud system.

Till date, there is a lack of effective approach to offering secure access on cloud services and complex due to the open nature of the wireless communication medium.



ENCRYPTION



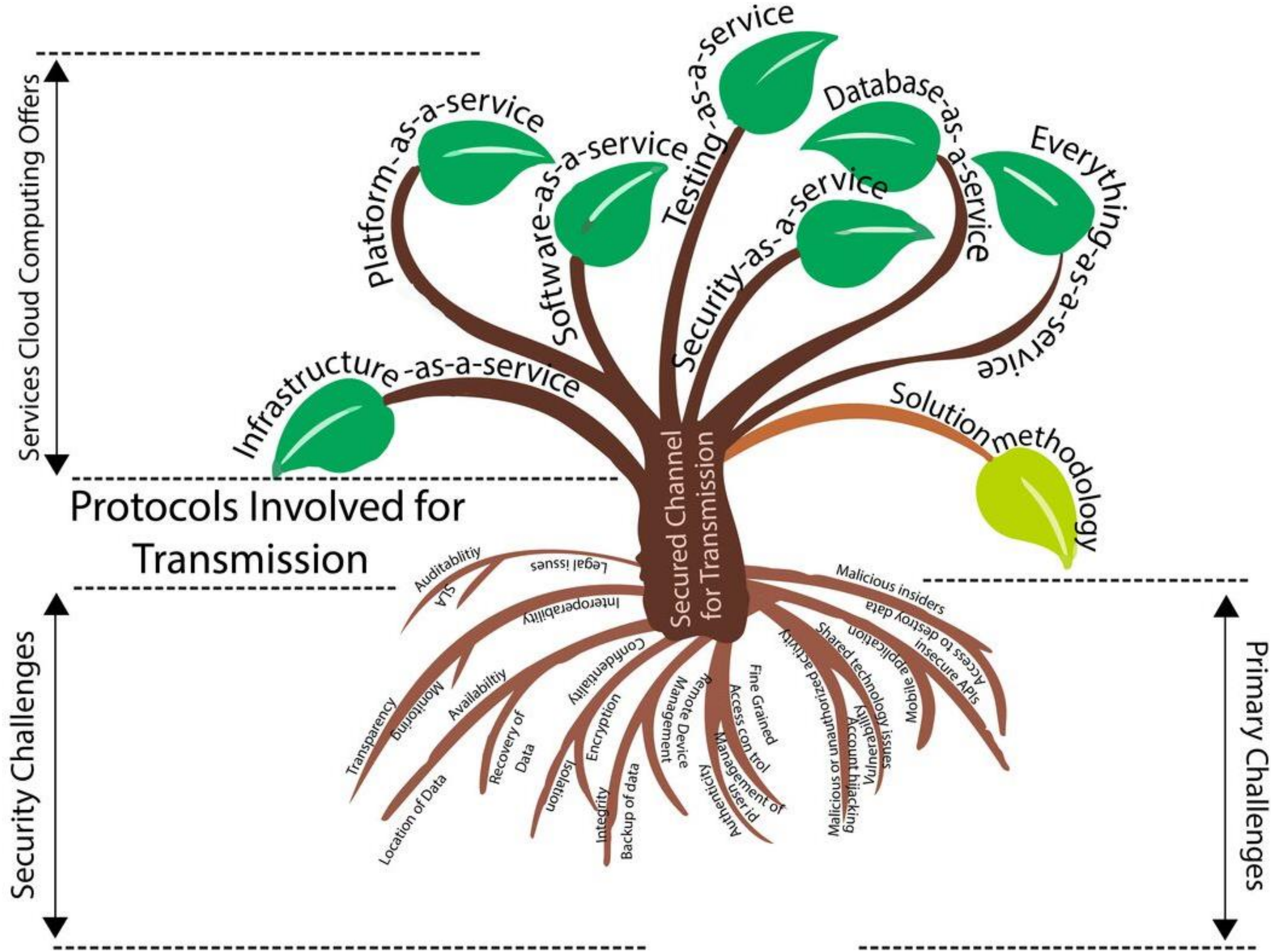
CLOUD SYSTEM



SECURE ACCESS



TREE STRUCTURE



SECURITY & PRIVACY ISSUES OVER THE CLOUD ENVIRONMENT



- Secure access control framework for full-fledged network security control.
- Effective machine learning technique to handle cloud resources and load balancing task for both private and public cloud.
- Effective scheduling technique to handle multiple workflow with considering multiple priorities at different times in cloud.



SOLUTIONS



- Implement effective Soft computing technique to detect network attacks where we can solve the hacking issues.
- Implement the effective web mining technique to discover the knowledge in web-based environments.



CONTD...

SUMMARY

Till date, there is a lack of effective approach to offering secure access cloud model and services. the different kinds of cloud management system, the Cloud service providers (CSPs) have more responsibility in cloud environment. the sensitive data requires security and privacy concern from both cloud users and CSPs.

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