

Security of Data with RGB Color and AES Encryption techniques

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Content

Introduction

Existing System

Propose System

System Architectur

System Dosis

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Content

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Content

Introduction

Existing System

Proposed System

System

System Desig

- Introduction
- Existing System
- 3 Proposed System
- 4 System Architecture
- 5 System Design
- 6 Conclusion
- 7 Reference



Introduction

Security of Data with RGB Color and AES Encryption techniques

Prajakta D.Dusane Jagruti J.Pat Urvashi M.Jain Ruchita M.Pandva

Conten

Introduction

Existing System

Propos System

System

System Desig

- Ron Rivest, Adi Shamir, and Leonard Adleman in 1977.
- Confidentiality.
- Authentication.
- So to overcome this problem we use RGB color model to provide authentication.



Existing System

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Content

Introduction

Existing System

Proposed System

System Architectur

Architectur

- RSA is a public key cryptosystem which is widely used for secured data transmission.
- RSA algorithm used to encrypt and decrypt the messages sent from one person to another and this provides confidentiality but not authentication.
- Therefore, by using RSA with RGB color model it provides both confidentiality and authentication but with less accuracy.



Proposed System

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Content

Introduction

Existing System

Proposed System

System Architectur

System Desi

- Due to less accuracy in existing system data which is send and receive is not fully secure.
- Authentication in the proposed system is provided using COLORS for both sender and receiver.
- So, we will check whether it can work with other encryption technique.
- As AES is better than RSA, use AES encryption technique with RGB color model which provide more accuracy.



System Architecture

Security of Data with RGB Color and AES Encryption techniques

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Conten^a

Introduction

Existing System

Propose

System Architecture

Control Design

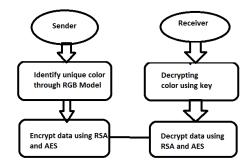


Figure: System Architecture



System Design

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D.Dusane Jagruti J.Pa Urvashi M.Jain Ruchita M.Pandya

Conten

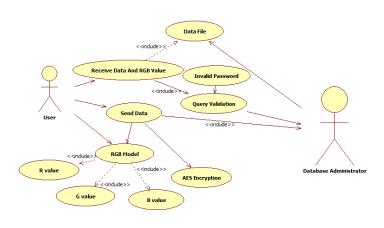
Introduction

Existing System

Propos

System Architecture

System Design



Usecase Diagram For Security With Colors Using RSA For Audio And Text



Conclusion

Security of Data with RGB Color and AES Encryption techniques

Prajakta D.Dusane agruti J.Pat Urvashi M.Jain Ruchita M.Pandya

Content

Introduction

Existing System

Propose System

System

System Desi

AES encryption technique is used with RGB Color model to provide security. The confidential areas like military, governments are targeted by the system where data security have more importance. Colors, AES are the two main factors in proposed system which makes sure that there is secured message or data transmission and also it is available to authorized person. Hence in the proposed system we provide both authentication and confidentiality with more accuracy.



References

Security of Data with RGB Color and AFS Encryption techniques

G. Sankara Rao et al." Data Security With Colors Using Rsa "Int. Journal of Engineering Research and Applications ISSN: 2248-9622, Vol. 4, Issue 9(Version 3), September 2014, pp.95-99

- Nentawe Y. Goshwe "Data Encryption and Decryption Using RSA Algorithm in a Network Environment" IJCSNS International Journal of Computer Science and Network Security, VOL.13 No.7, July 2013.
- Prof. Manoj Dhande, Akshaya Sawant, Nidhi Pandey, Pooja Sahu "Secure Data Communication using AES Algorithm, Palindrome Number and Color Code" International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 4 IJRITCC April 2016.



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Conton

Introduction

Existing System

System

System

System Architectur

System Design

Thank You...