

Alex Fuoco
MSCS 630 Security Algorithms
Project -- Note Encrypter

Outline--

- Introduction
 - The problems of modern security
 - Applications not storing data encrypted
 - Attacks exposing data
- AES for Encryption
 - What AES
 - Proper AES technique
 - Keys and how to get them
 - Libraries to use AES for javascript
- Implementation and Test
 - AES for Text Documents or Messaging
 - Test data for implementation
 - Examples of storing the AES

GITHUB Project Dependencies

- Aes-js for AES 128 bit encryption
- Material UI for styling
- DynamoDB for database
- ReactJS for front end framework

References

Implementing AES --

<https://www-proquest-com.marist.idm.oclc.org/docview/1037271218?accountid=28549&pq-origsite=primo>

Keeping sensitive information under AES --

<https://www-proquest-com.marist.idm.oclc.org/docview/1949955708?pq-origsite=primo&accountid=28549>

IOT and Hackers --

<https://www-proquest-com.marist.idm.oclc.org/docview/1885619087/AE59A89CFB2F4169PQ/2?accountid=28549>

Image Encryption --

<https://csce.ucmss.com/cr/books/2018/LFS/CSREA2018/IPC4114.pdf>

AES for Messaging --

https://marist.primo.exlibrisgroup.com/discovery/fulldisplay?docid=cdi_crossref_primary_10_1016_j_procs_2015_08_381&context=PC&vid=01MARIST_INST:01MARIST&lang=en&search_scope=MyInst_and_CI&adaptor=Primo%20Central&tab=Everything&query=any.contains,AES%20for%20messaging,AND&mode=advanced&offset=0