

# Information Technology Security In Research

*Current Performance*



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MEDICINE

# Security

*Everyone in the neighborhood has some responsibility **to ensure everyone's safety**. Information has a life of its own. ... No single person is responsible for the security of the information. It is the responsibility of the whole to ensure the privacy and accuracy of the information.*

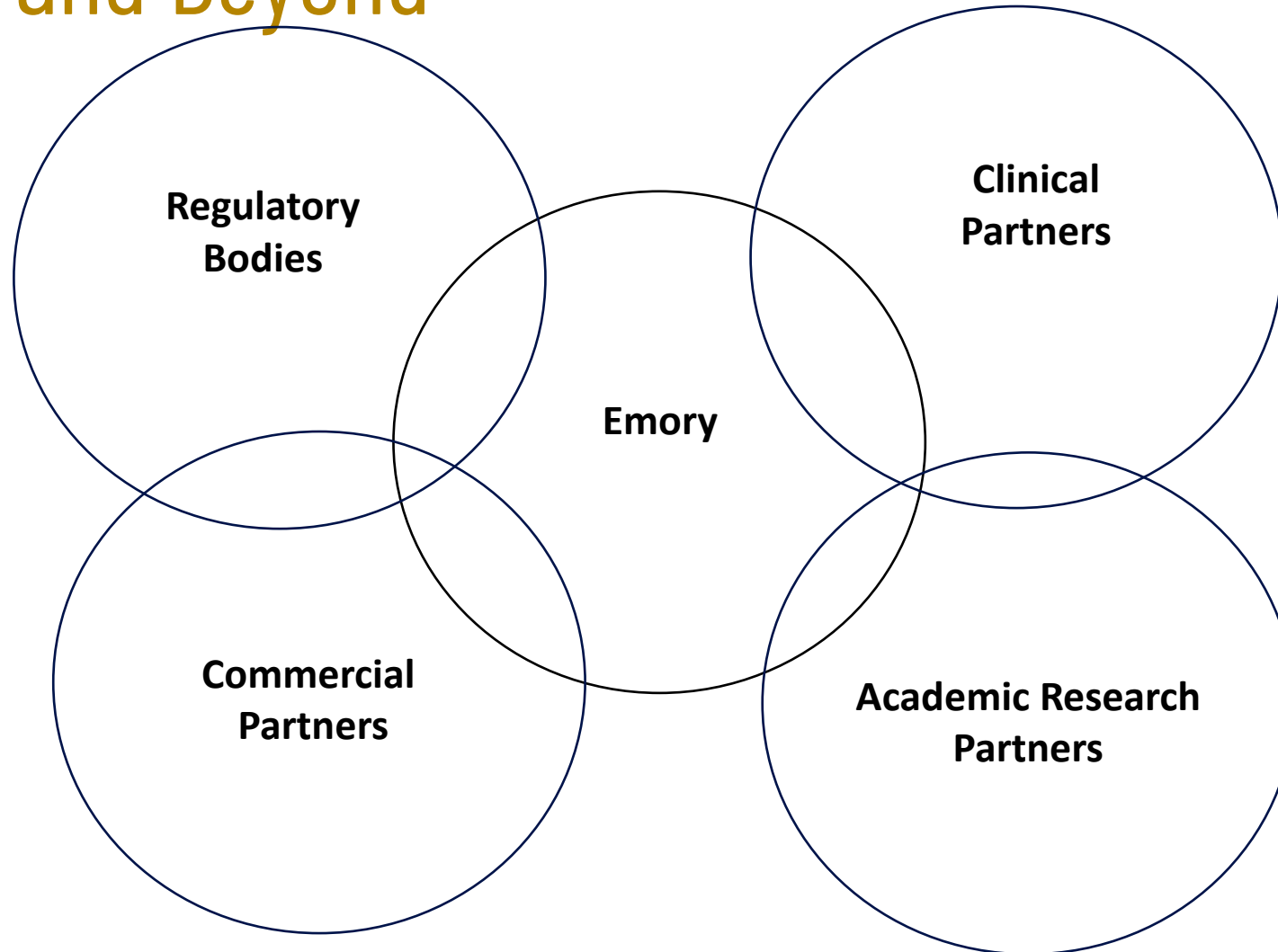
University of Wisconsin–Madison Information Technology



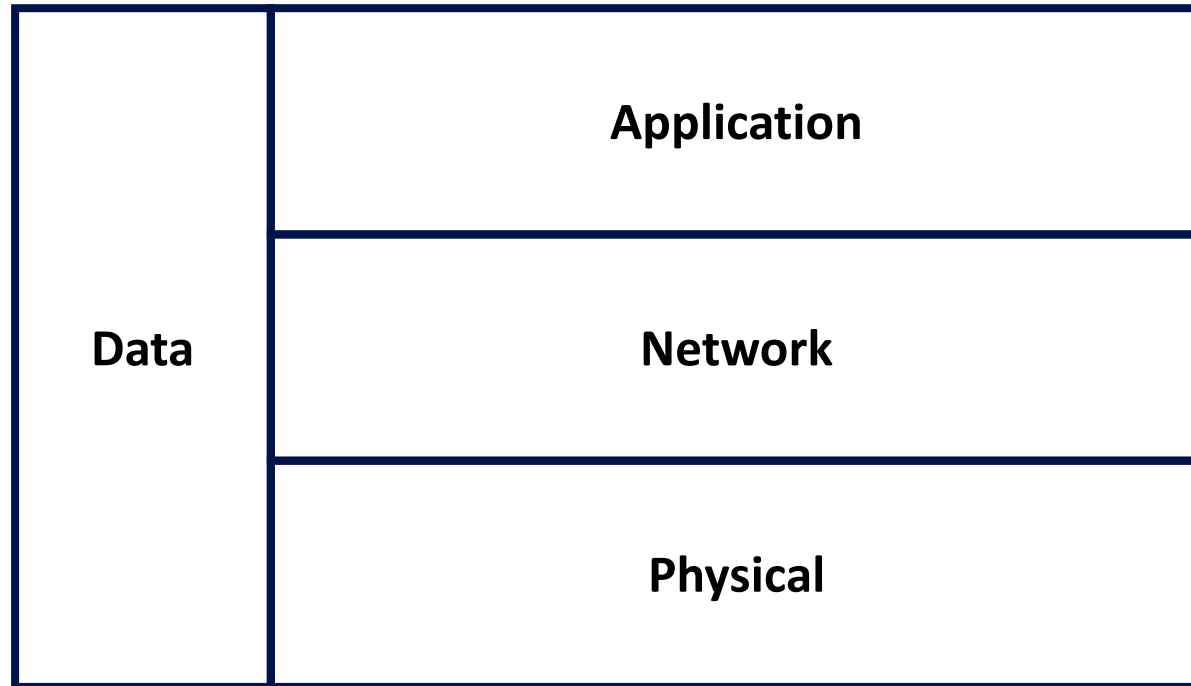
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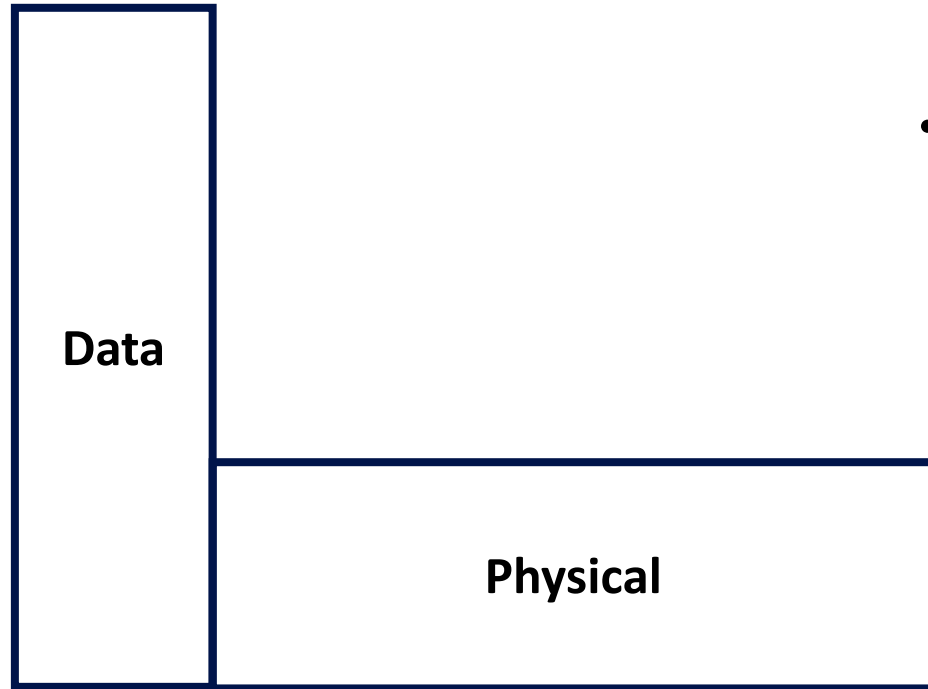
# Emory and Beyond



# Model



# Physical

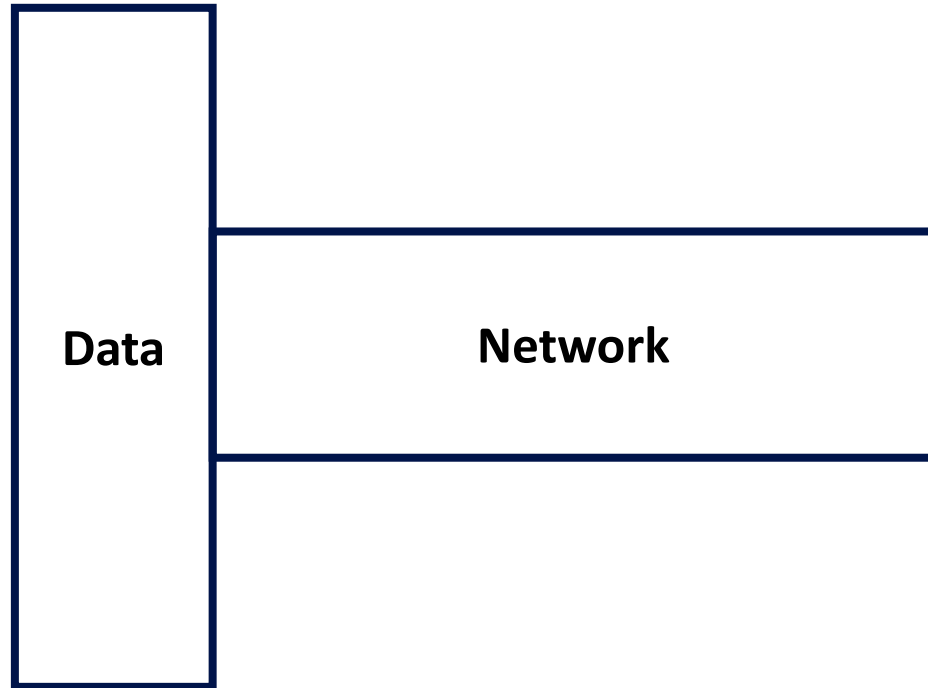


- Includes:
  - Computer Storage
  - External Storage
  - Smart Phones
- Considerations
  - Updated Operating Systems
  - Updated Security Patches
  - Drive Encryption

- Note- Emory requires all hardware purchased here to be part of the asset management process including procurement and disposal.



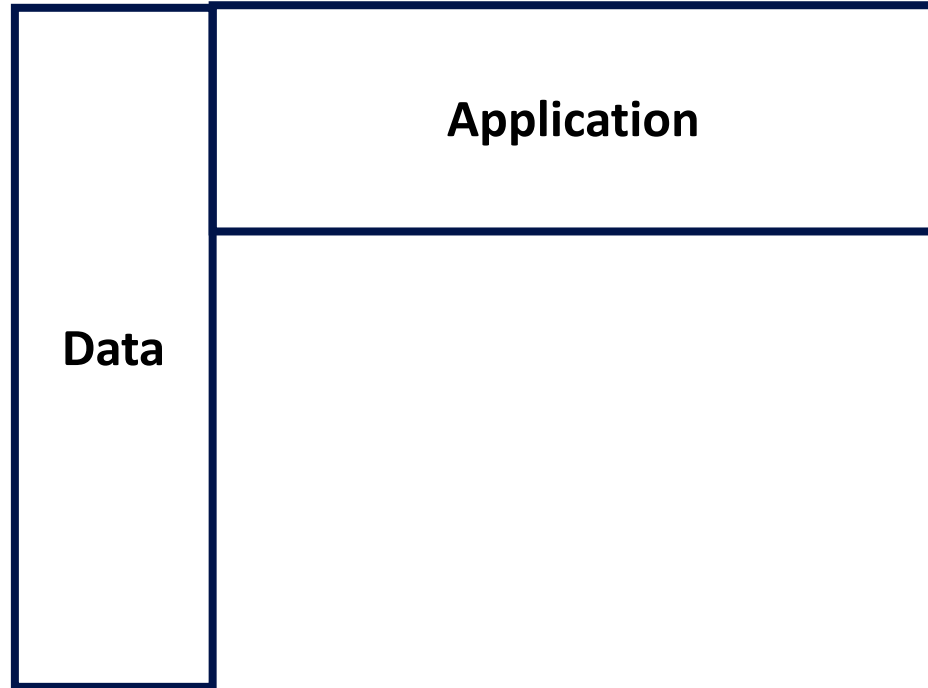
# Network



- Includes:
  - Public
  - Private
- Considerations
  - Use private networks when possible
  - Use VPN (Virtual Private Networks) if on public networks



# Application



- Includes:
  - Software
  - Data Files
- Considerations
  - Use properly licensed software
  - Back up- Back up- Back up (Data is only as safe as your backup)



# Where to put your data?

## Local Hard Drive

## External Hard Drive

## Cloud Storage

## “OneDrive” Storage

## “Trusted” Storage

### Pros

- Local to Computer
- Local to Computer
- Can access from “anywhere”

- Can access from “anywhere”
- Backed up
- Secure

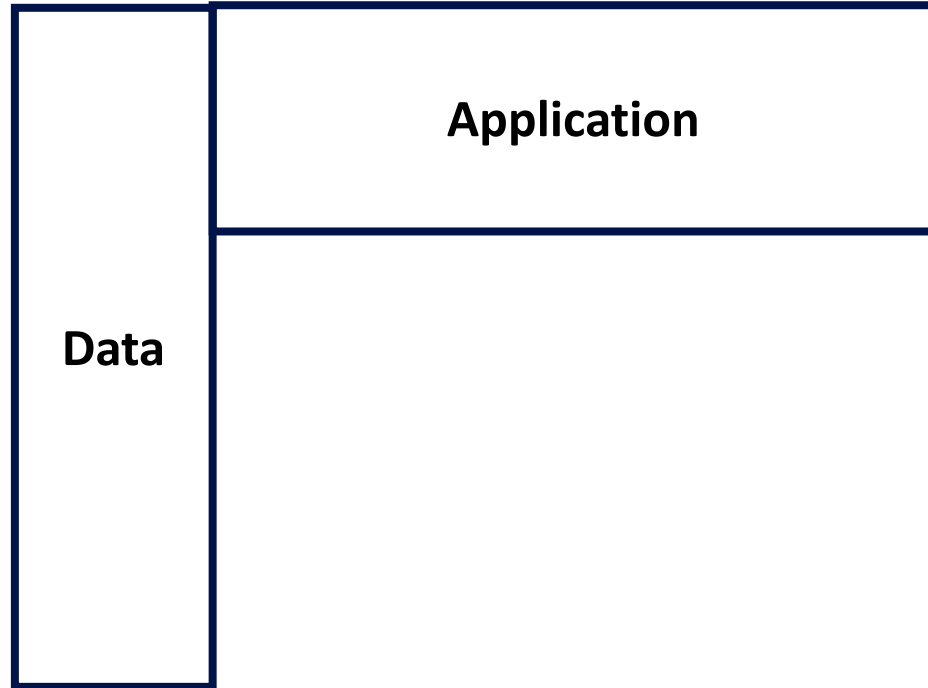
### Cons

- Lost if Computer is stolen, fails,
- Not Recommended for sensitive data
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- Not Recommended for sensitive data
- May not be recommended for sensitive data

- “No Cost”
- Can be Shared
- May not be recommended for sensitive data
- Not Easily Shared
- Cost



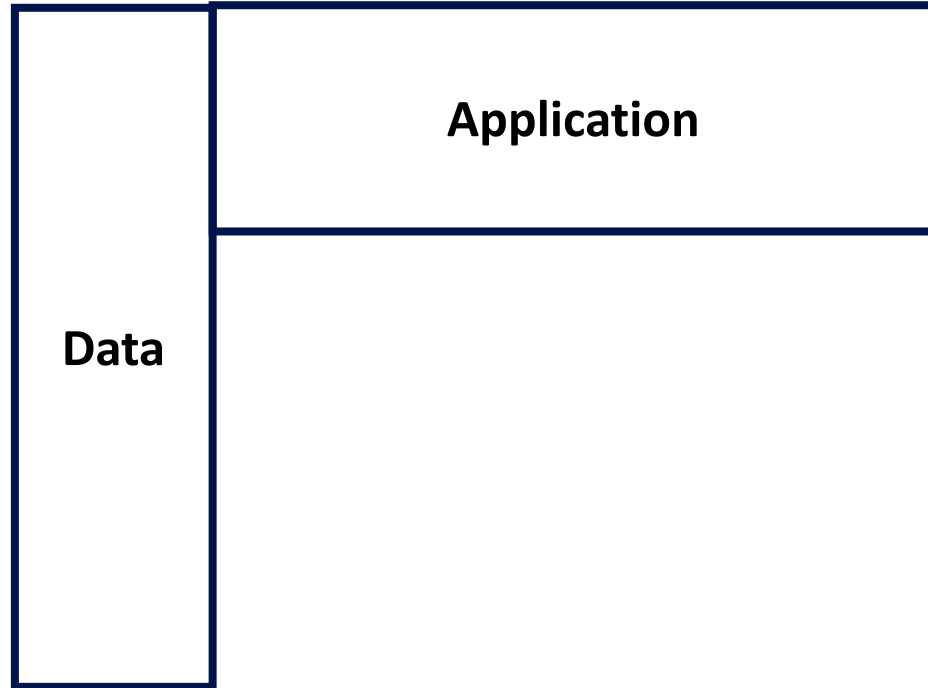
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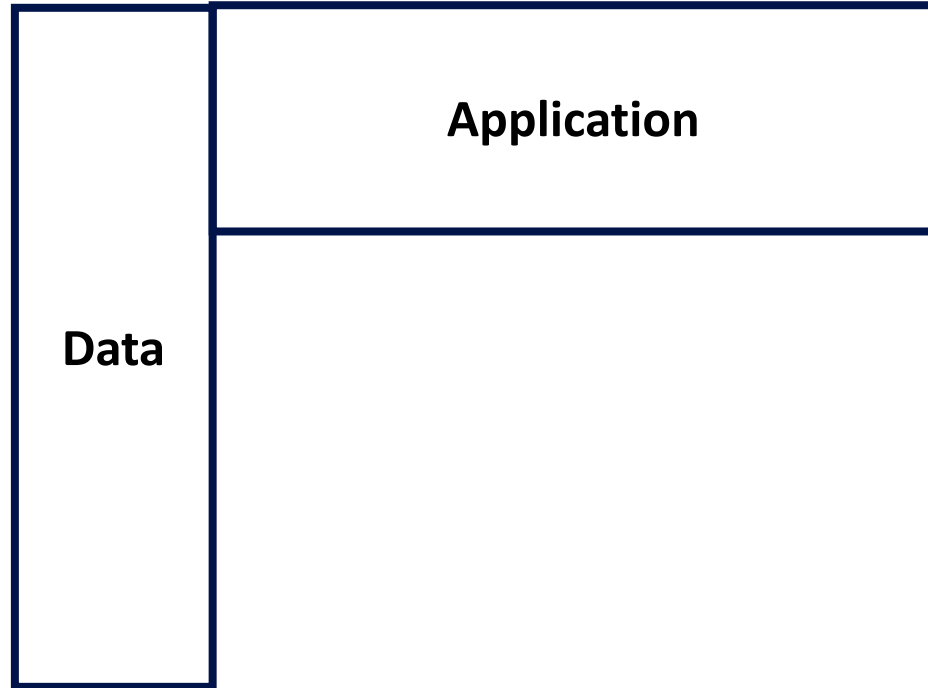
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# Regulatory Concerns

“If It Ends in “A”, Its Not A Suggestion

HIPAA - Health Insurance Portability and Accountability Act

FERPA - Family Educational Rights and Privacy Act

FISMA - Federal Information Security Management Act



# Wrap up

For Questions:

Please contact your local support team  
Or call 404-727-6648



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# Questions

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