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# Encrypt Communications



Use symmetric key encryption



• How do we get the key on the iPad and RPi3?



Pre-Shared Key



• Significant issues (forward secrecy, key refresh & maintenance)





Dynamic Key Establishment



Asymmetric scheme to establish a symmetric key



• Symmetric encryption provide secrecy

Added Security



# Add Security

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  - Use symmetric key encryption
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- Pre-Shared Key
  - Significant issues (forward secrecy, key refresh & maintenance)
- Dynamic Key Establishment
  - Asymmetric scheme to establish a symmetric key
  - Symmetric encryption to provide secrecy

# Scenario