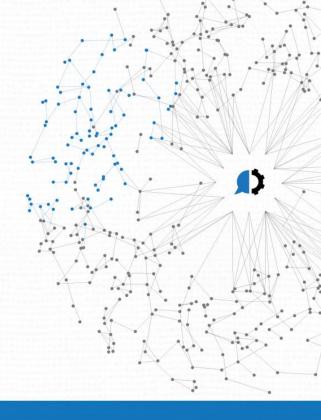




How to Choose the Right Encryption Method for Securely Exchanging Files

### **Agenda**

- 1. How encryption works
- 2. Common encryption terms
- 3. Why encryption matters
- 4. Several file exchange scenarios
- 5. Q&A









## Today's Presenters





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#### Encryption



- What is encryption?
  - Encoding data
  - Strength





## Encryption



- How does encryption work?
  - Symmetric key system
  - Asymmetric key system





#### **Encryption Terms**



- > AES (Advance Encryption Standard)
- Algorithm
- Ciphertext
- Encryption
- Decryption
- > Email encryption
- Key
- PGP (Pretty Good Privacy)





#### Why Does Encryption Matter?





#### Data Breaches of 2020

- Microsoft
- ▶ IRS tax refunds
- ▶ Email.it
- Wattpad
- Dickey's
- Whisper
- ...and several others





### Why Does Encryption Matter?



#### Cybersecurity threats

Accidental

- Curiosity
- Deliberate



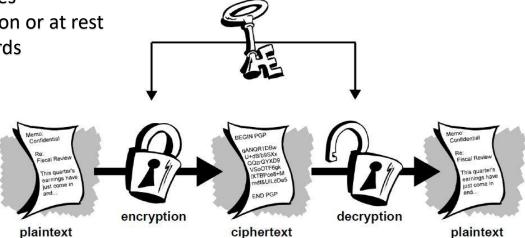


#### Why Does Encryption Matter?



#### What is the right encryption method?

- Data sensitivity
- Delivery of the data
- How big are the files
- Encryption in motion or at rest
- **Encryption standards**

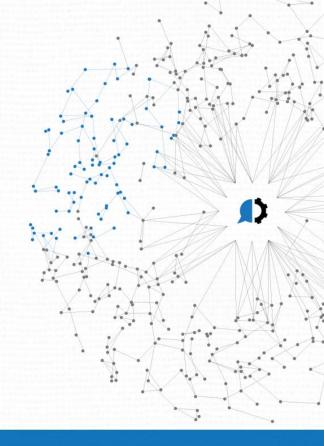






# Live Demo

File exchange scenarios







# Thank you for joining us!





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