



# NALIT PDS 2019

## Building Effective Cybersecurity

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# Building a Cybersecurity Program

- Start slow
- Establish a forward-leaning strategy
- Get training
- Find a champion
- Pick a framework
- Implement basic policies
- Implement top 5 CIS controls
- Upgrade existing security/network equipment
- Implement a next generation endpoint solution
- Implement a security awareness program
- Jump off the cliff



# Cybersecurity Budget

	2018	2019	2020
Security	\$356,522	\$430,796	\$1,180,703
OTS	\$5,979,529	\$6,091,111	\$8,641,998
%	6.0%	7.1%	13.7%

	2018	2019	2020
Security	\$356,522	\$430,796	\$1,180,703
LSA	\$18,624,419	\$16,920,953	\$20,372,104
%	6.0%	7.1%	13.7%



# Budget Breakdown

- Security Awareness
  - \$4,914 per year
- Staff
  - 1.5 full-time employees
- SIEM/SOAR/Threat Intelligence
  - \$65,443 per year
- Managed Defense
  - \$150,751 per year
  - DOD recommends 5-7 full-time employees for 24/7 SOC
    - \$490,000 to \$686,000 per year



# Danger! Use Fear!

Jigsaw2.0

Your computer files have been encrypted. Your photos, videos, documents etc.....  
But, don't worry! We have not deleted them, yet.  
You have 2 hours to pay 10€ in bitcoins to get the decryption key.  
Every hours files will be deleted. Increasing in amount every time.  
After 72 hours all that are left wi



Bitcoin address:

[1A1zP1eP5QGefi2DMPTfLL5YUdr60U8eC2s](#)

I made a payment, give me back my files

Seconds until destroy

7139



# Contact Information

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