

# How To Prevent and Mitigate Ransomware Like the Pros!



## What Nuclear Ransomware Does

- Encrypts files
- Steals intellectual property/data
- Steals every credential it can—business, employee, personal, customer
- Threatens victim's employees and customers
- Uses stolen data to spear phish partners and customers
- Publicly shames victims



## 7 Ways to Prevent Ransomware

- Focus on mitigating social engineering
- Patch internet-accessible software
- Use non-guessable passwords/multifactor authentication
- Different passwords for every website and service
- Teach users how to spot rogue URLs
- Use least-permissive permissions
- Have a safe, tested, complete, offline backup



## What To Do When Ransomware Strikes

- ☐ Notify management
- ☐ Get legal involved, let legal make all outside calls
- ☐ Freeze internet access
- ☐ Call insurance company if you have cybersecurity insurance
- ☐ Call in ransomware recovery experts
- ☐ Identify ransomware strain
- ☐ Implement your ransomware response plan
- ☐ Decide ahead of time if you will pay the ransom

## KnowBe4 Resources

### Ransomware Portal:

<https://www.knowbe4.com/ransomware>

### Ransomware Hostage Rescue Manual:

<https://info.knowbe4.com/ransomware-hostage-rescue-manual-0>

### Ransomware Simulator:

<https://www.knowbe4.com/ransomware-simulator>

### 22 Social Engineering Red Flags:

<https://www.knowbe4.com/hubfs/Social-Engineering-Red-Flags.pdf>

### Webinar - Teach Users How to Spot Rogue URLs:

<https://info.knowbe4.com/rogue-urls>

### Webinar - Ultimate Guide to Phishing Mitigation:

<https://info.knowbe4.com/webinar-stay-out-of-the-net>