

C5C Monthly Cyber Newsletter

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Ransomware

How to Avoid Becoming a Victim

Ransomware is a form of malicious code typically employed by cyber criminals to hold your company's data hostage. This is accomplished when the malicious code exploits a pre-existing vulnerability on one of your company's computers and then encrypts specific files on

currency (an anonymous online currency) such as Bitcoin, to decrypt their data. Until you pay the ransom, you will not have access to your critical data!

Victims are usually targeted with ransomware in two ways. The first way is via a socially engineered

There are a few simple steps that you can implement right now to avoid becoming the next victim of ransomware.

the hard drive. Depending on the strain of ransomware, a victim can usually expect to have most of their Microsoft Office documents (.docx, .xlsx, .ppt), Adobe Acrobat documents (.pdf), and photos (.jpg, .gif, .png) locked and no longer accessible. The victim will then see a message pop up on their screen instructing the victim how to pay a ransom, usually in the form of crypto

email where a victim will receive an email with some type of "Purchase Order" or "Contract" theme. The victim will open the email and then open the malicious attachment or click on the malicious link in the email body. The second way is via a website "drive-by" which occurs when a threat actor compromises a

Quick Tips to Avoid a Compromise

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- Make sure that all systems are routinely patched to include operating systems, software updates, and anti-virus definitions. This includes Microsoft Office, Adobe Acrobat, and any internet browser you typically use
- Schedule frequent backups of all important servers and workstations and ensure that some backups remain air-gapped (unplugged from any machine)
- Educate your staff on how ransomware propagates and to not open any suspicious attachments or click on any suspicious links in emails, especially if it is from an unknown sender
- If a ransomware compromise is suspected, immediately disconnect the machine from your network but keep it powered on. This allows an incident responder to perform critical forensic memory analysis that is otherwise lost when you power down your machine.

legitimate website and then hosts malicious code on it. Essentially, anyone who visits the compromised site with a vulnerable machine will download and execute the malicious code. There is no way to actively avoid these kinds of attacks.

It is prudent to back up your entire system. In the event of a ransomware event, you can quickly access your data and restore your website. The only defense against such tactics is to ensure that your internet browser is up to date and your anti-virus software has the latest update and is fully protecting your machine.

Contributors:



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