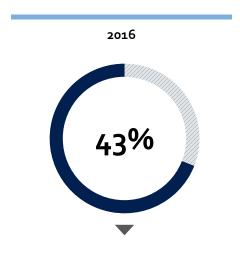
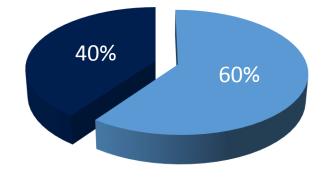


Small Businesses are a Target

According to Symantec, Nearly HALF of all cyberattacks are now levied against small businesses

60% of companies breached never recover....





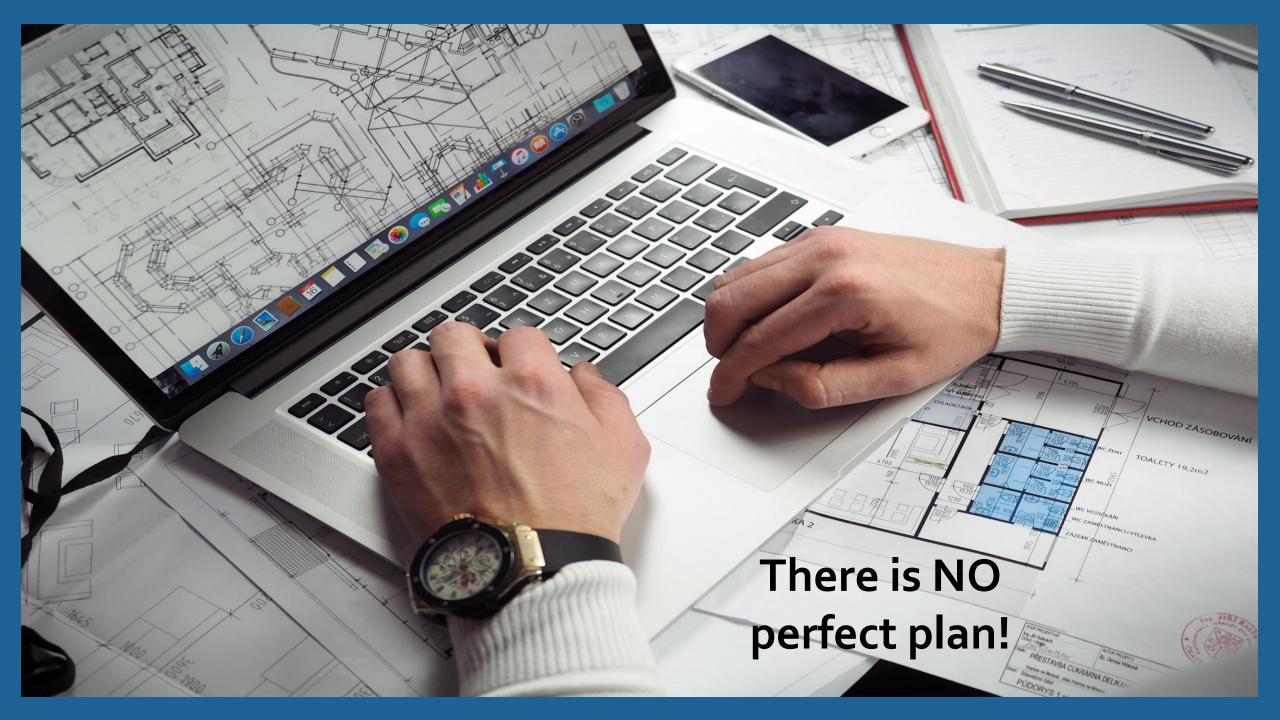
An attack can set a small business back anywhere from \$54,000 to over \$100,000 per incident (CNBC).

<u>PCWorld</u> in August 2013 reported that of the small businesses who suffered a breach, roughly 60 percent go out of business within six months after the attack.

Small Business Challenges

Staying ahead of the threat curve

- Lack of awareness of the threat
- Increased scrutiny and liability from buyers, business partners, etc.
- Business-wide education (not just technical—also behavioral)
- Cost of implementation of adequate protection
- Recovery after becoming victim
- Lack of support network



 Raise awareness of cyber risk within Kansas' small business community.

Help businesses manage the threat and impact of cyber interference.

Foster innovation in cyber security



Cyber Program Elements





Custom Small Business Resources





Business Continuity
Planning

Continuity

- Launching in Fall of 2017 to assist Kansas' small business community to make a reasonable effort to protect their critical data and infrastructure
- Based off the NIST Framework
- Serves as the foundation for KSBDC trainings and counseling efforts
- Designed as a functional tool, not white paper or scare tactic

STEP 1 IDENTIFY	What structures and practices do you have in place to identify cyber threats? PAGE 8
STEP 2 PROTECT	What are the basic practices you have in place to protect your systems? PAGE 12
STEP 3 DETECT	What do you use to identify someone or something malicious? PAGE 19
STEP 4 RESPOND	How will you deal with a breach if and when it occurs? PAGE 21
STEP 5 RECOVER	How will you get your business back to normal after a breach? PAGE 23

STEP 1 IDENTIFY

Other pieces of the Identify section:

- Who is responsible for cybersecurity in my organization?
- What devices need protecting?
- What operating systems are you using?
- Where do I store my data?

What Data Do You Keep?

This is the root of a cybersecurity policy so take your time here. What data do you maintain that could be useful (or profitable) to a hacker? Some examples include



- · Personal Identifiable Information (SSNs, DOBs, etc.)
- Payment Card Information (Credit Card Numbers)
- · Personal Health Information
- HR Records that could contain Bank Account Information
- Business Plans
- Proprietary Schematics, Patent Applications, etc.

Our Sensitive Information

STEP 2 PROTECT

Other pieces of the Protect section:

- How do you use firewalls?
- Encryption checklist
- Accessing files remotely
- Username check
- Password check
- *Note, Identify and Protect sections are larger than last 3

DATA SEGREGATION LIST:	Today's Date:
Type Of Data	Who Should Have Access

How Do You Train Your Employees?

If your business has employees, you should be training them regularly on cybersecurity best practices. They should be provided training on hire and annually, and also on an as-needed basis. If you have an event at your firm that highlights poor cybersecurity choices, you may want to spend some time training your employees on how to better react to cyber threats. There are many free resources available for cybersecurity training. A couple good places to start are:

SANS Information Training - www.sans.org

OPEN DNS Phishing Training - www.opendns.com/phishing-quiz/

If you are writing down a policy to go with your plan, try the following language:

"Personnel are provided training regarding information security practices upon hire, annually going forward, and as necessary based upon events at our company."

STEP 3 DETECT

Other pieces of the Detect section:

- Determining the Impact of an event
- More complex methods detection

Antivirus Information:	Date:					
We Use the Following Antivirus Product:						
We update Antivirus Definitions Automatically		cally	☐ Manually Before Each Scan			
We Run Scans	☐ Hourly	□ Daily	Weekly	As Necessary		
Scans are Initiated	☐ Automatically		☐ Manually			

Antimalware Applications

Antimalware applications are similar to antivirus applications, but most systems do typically require some combination of the two as they are designed to address different areas. Similar to Antivirus applications, there are many free antimalware programs out there. The same caveats apply to Antimalware applications as to Antivirus Applications: They must be scheduled to update as well as to run scans in order to be effective!

Antimalware Information	Date:				
We Use the Following Antimalware Product:					
We update Antimalware Definitions ☐ Automatically		☐ Manually Before Each Scan			
We Run Scans	☐ Hourly ☐ Dail	y 🔲 Weekly 🔲 As Necessary			
Scans are Initiated	Automatically	☐ Manually			

STEP 4 RESPOND

Other pieces of the Respond section:

- Incorporating Lessons Learned
- Data Backup
- Digital Forensics Contact
- Containing an event

Date of incident.	
Explanation of Incident:	
How Discovered?:	
low Remediated?:	
Data Affected:	
Steps Taken To Close Vulnerability:	
	-

STEP 5 RECOVER

Other pieces of the Recover section:

 Customized with statespecific information

 Coming soon, a list of local cyber specialists, lawyers, insurance agents, state agencies, and educational opportunities. Who are your resources?

Before a breach identify what resources you will need to help you in the event of a serious IT security event or one which involved client/sensitive information.

In the event of a breach your first call should likely be to legal support, an attorney with knowledge of breach response and remediation. Again, you need not put an attorney on retainer, but knowing who you are going to call before you need them will save valuable time in the event of a breach. Identify your legal resources now!

You may also wish to consider identifying your local police resources who may be of assistance.





Top Ten Cybersecurity Tips for Your Small Business

Protect against, viruses, spyware and other malicious code

• Equip computers with antivirus software and antispyware and update regularly. Configure them to update automatically.

Employ best practices on payment cards

• Isolate payment systems from other less secure systems and do not use the same computer to process payments and surf the internet.

Secure your networks

 Safeguard your Internet connection by using a firewall and by encrypting information. Hide and secure your Wi-Fi network and password protect access to your router.

Make backup copies of important business data

• Regularly backup the data on all computers, and try to do it automatically, if possible, and store the copies either offsite or on the cloud.

Establish security practices and policies

• Establish policies for how employees should handle and protect sensitive data, and clearly outline consequences for violating your business' cyber policies.

Control physical access to computers and networks

• Prevent access or use of business computers by unauthorized individuals

Educate employees about cyber threats

 Teach employees how to protect your business' data, including safe use of social networking sites and email

Create a mobile device action plan

• Require users to password protect all devices, encrypt their data, and install security apps to prevent criminals from stealing information. Set reporting procedures for lost or stolen equipment.

Require employees to use strong passwords

• Consider implementing multifactor authentication that requires additional information beyond a password to gain entry.

Protect all pages on your public-facing website

• Make security a priority for your entire digital foot-print.

Additional Resources

- Federal Trade Commission
 - FTC Bulk Order
- Payment Card Industry Small Merchant Task Force, PCI Security Standards Council Handouts

 <u>Small Merchant Guide to Safe Payments</u>

 - Small Merchant Questions to Ask Your Vendors
- **SANS** Institute
 - <u>Information Security Policy Templates</u>
- National Cyber Security Alliance
 - https://staysafeonline.org/
- U.S. Small Business Administration & Synergy Solutions
 - launched a free, new comprehensive series of web-based cybersecurity training containing up to 10 modules to educate 7(j) eligible small businesses about cybersecurity and steps they can take to protect their company's assets and intellectual property. While the classes are free, they are first come, first serve and will accommodate no more than 50 participants at a time. To register, visit: https://synergysolutions.talentlms.com/.







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