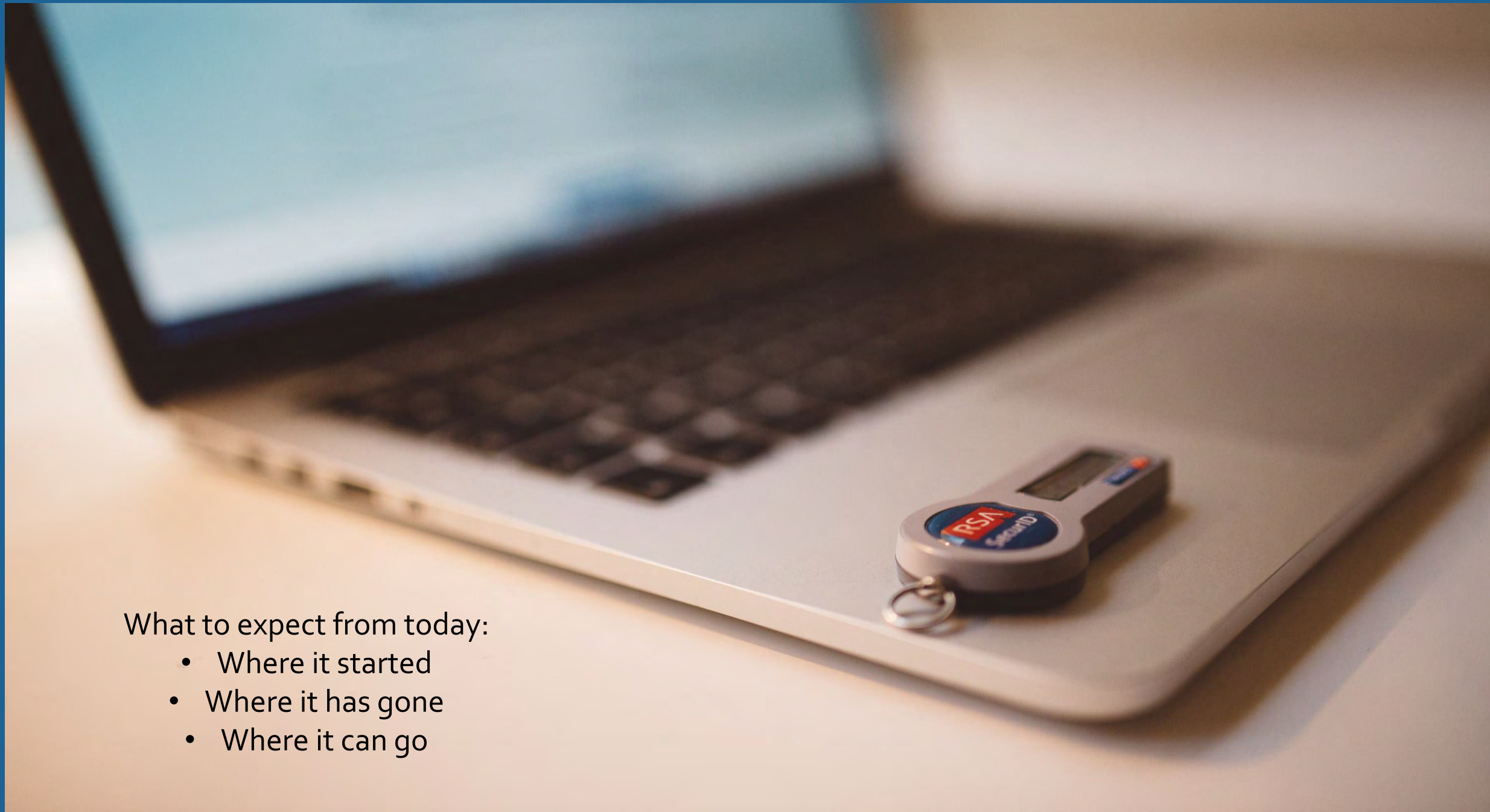


Bridging the Gap: Bringing Free Cyber Security Education to America's Small Businesses



Brian S. Dennis
Director
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Kansas Small Business Development Center





What to expect from today:

- Where it started
- Where it has gone
- Where it can go

Brian S. Dennis

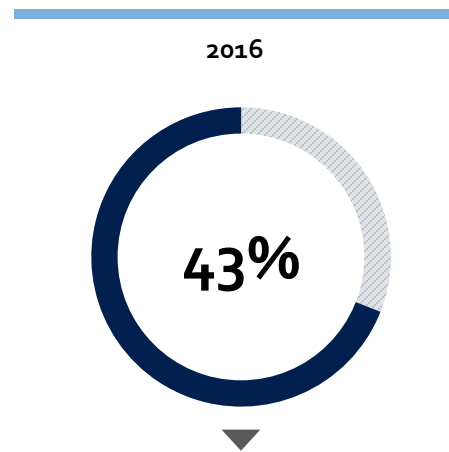
- Frontline Experience in Disaster Response and Recovery
 - Hurricane Katrina 2005
 - Hurricane Rita 2005
 - Hurricane Gustav 2008
 - Hurricane Ike 2008
- Disaster Recovery Institute International Certification
 - ABCP 2014- Present
 - Certification #: 44083
- Masters of Emergency Management & Homeland Security
 - Arizona State University, 12/2017

2017 National Defense Authorization Act

IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Administrator of the Small Business Administration and the Secretary of Homeland Security shall work collaboratively to develop a cyber strategy for small business development centers to be known as the “Small Business Development Center Cyber Strategy”.

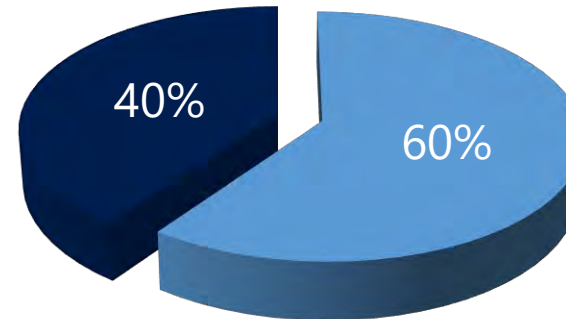
Small Businesses are a Target

According to Symantec, Nearly **HALF** of all cyber-attacks are now levied against small businesses



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

60% of companies breached never recover....



[PCWorld](#) 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

Simple Solution to a Difficult Problem: Cast a Wide Net





**There is NO
perfect plan!**

- Raise awareness of cyber risk within America's small business community.
- Help businesses manage the threat and impact of cyber interference.
- Foster innovation in cyber security

Cyber Program Elements

Industry-Specific Training



ASBDC Advisor Development



Fostering Innovation



Custom Small Business Resources

AMERICA'S Small Business
SBDC Development
KANSAS Center

Identify: You received 1.7 out of 30 risk points.
Your business has little to no risk in the identify category.

Detect: You received 1.9 out of 30 risk points.
Your business has little to no risk in the detect category.

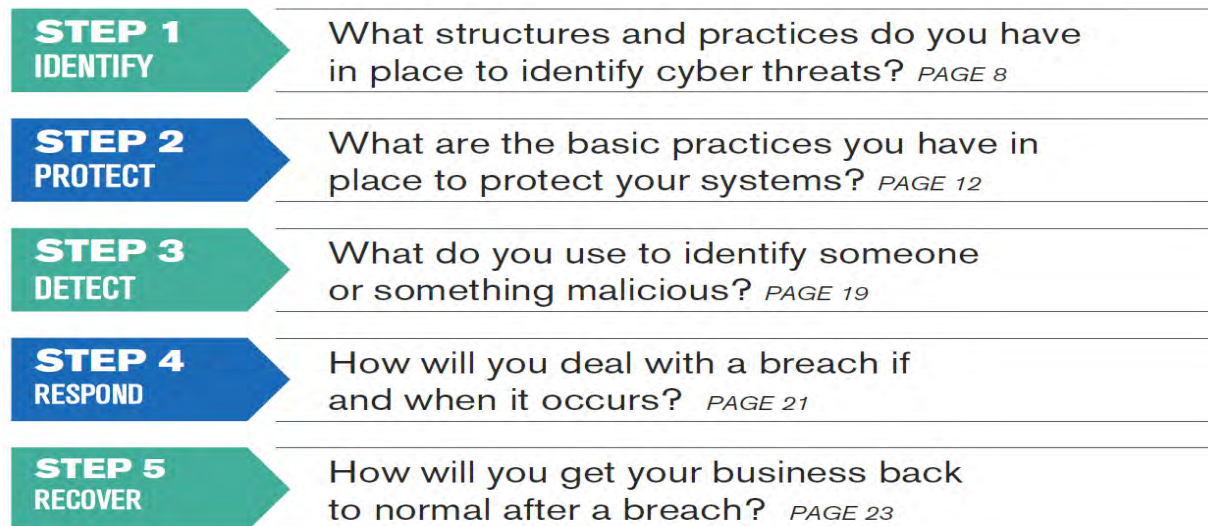
Protect: You received 2.6 out of 30 risk points.
Your business is moderately at risk in the protect category.

Respond: You received 2.3 out of 30 risk points.
Your business has little to no risk in the respond category.

Recover: You received 1.9 out of 30 risk points.
Your business has little to no risk in the recover category.



- 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 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	<input type="checkbox"/> Automatically <input type="checkbox"/> Manually Before Each Scan
We Run Scans	<input type="checkbox"/> Hourly <input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> As Necessary
Scans are Initiated	<input type="checkbox"/> Automatically <input type="checkbox"/> 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	<input type="checkbox"/> Automatically <input type="checkbox"/> Manually Before Each Scan
We Run Scans	<input type="checkbox"/> Hourly <input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> As Necessary
Scans are Initiated	<input type="checkbox"/> Automatically <input type="checkbox"/> 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?:

How Remediated?:

Data Affected:

Steps Taken To Close Vulnerability:

STEP 5 RECOVER

Other pieces of the Recover section:

- Customized with state-specific 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.

Cybersecurity Assessment



Kansas SBDC Cybersecurity Center for Small Business

This assessment will take approximately 30 minutes. It will help you identify areas of strengths and weakness in your current cybersecurity policies and procedures.

At the end of the assessment you will have an opportunity to ask for further assistance.

Thank you for your interest in cybersecurity. This assessment will assess cybersecurity issues.

Please click "Continue with Assessment" and then the Forward arrow.

Continue with Assessment

Exit

- Cybersecurity for Small Business (NAC-PT188010)
- Introduction
- Announcements
- Identify
- Protect
- Detect
- Respond
- Recover
- All Coursework



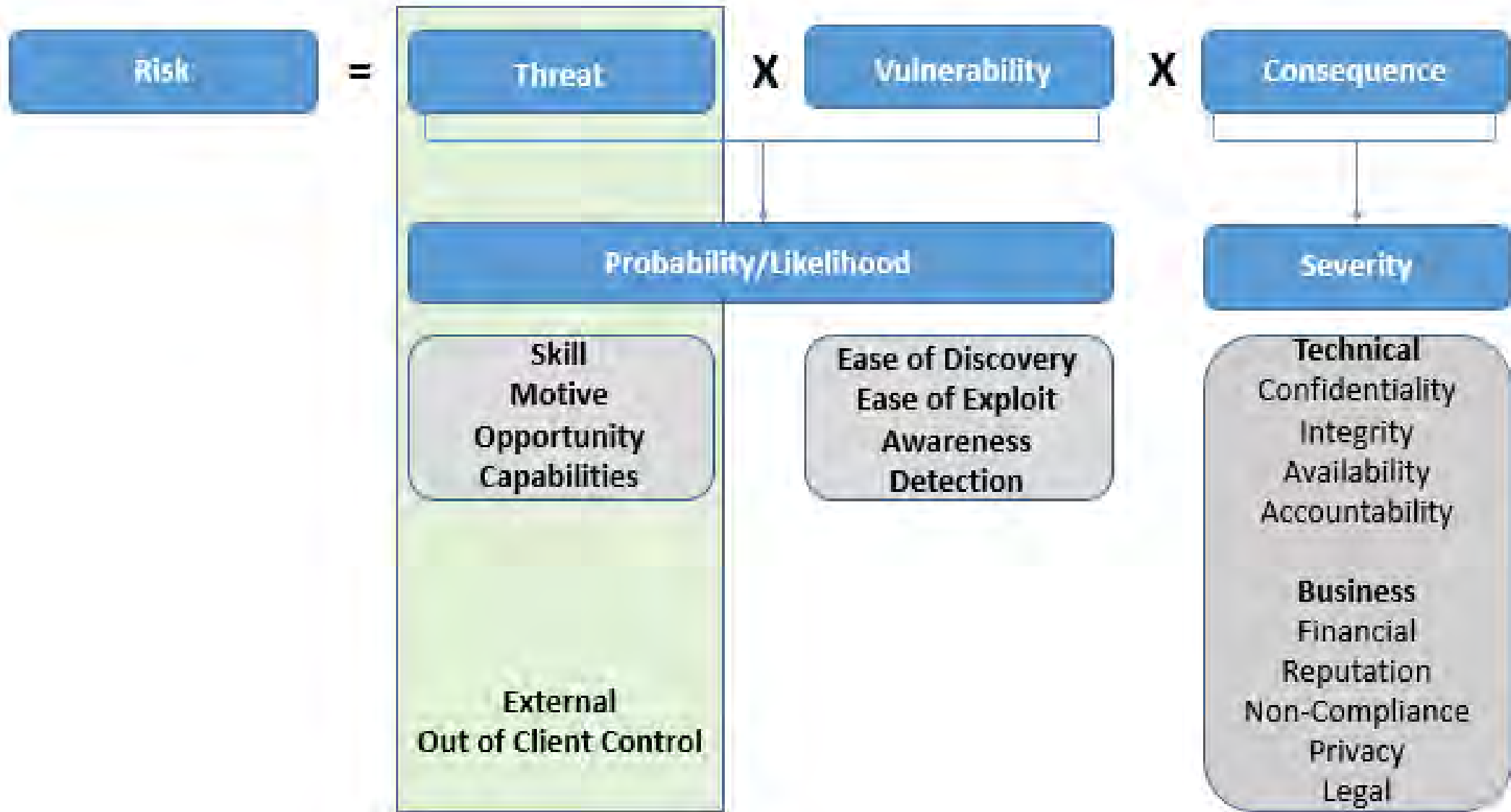
Introduction

The Kansas Small Business Development Center in partnership with the University of Kansas' School of Business has created this free training for small business owners to better improve their digital footprint. Take your time and go through the videos at your own pace. A safer on-line presence takes effort from everyone to make a difference. Share the information you gather with your team and refer them to the training if needed!

The Cybersecurity Center for Small Business will be adding new courses constantly! Don't forget to check back to see if there are new learning opportunities!

If you have any questions, or require additional assistance, please reach out to Brian S. Dennis at the Cybersecurity Center for Small Business' KU offices: 785-864-0286 or brian.dennis@ku.edu

Cyber needs?
We'll get you
connected.



- Assessments are updated regularly
- Training modules (45 by the end of 2018) can be created quickly with immediate launch into portal
- Client usage from the assessment to the training will be tracked via a CRM that can move data to Neoserra/CenterIC—allowing for a true virtual center to exist in an SBDC network

Time to Grow





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