

Cyber & Professional Lines Group

16501 Ventura Blvd. Suite 200, Encino, CA 91436 main (818) 382-2030

TechGuard® Cyber Liability Insurance Application

THIS IS AN APPLICATION FOR A CLAIMS MADE AND REPORTED POLICY. THIS APPLICATION IS NOT A BINDER.

This application for TechGuard® Cyber Liability Insurance is intended to be used for the preliminary evaluation of a submission. When completed in its entirety, this application will enable the Underwriter to decide whether or not to authorize the binding of insurance. Please type or print clearly and answer all questions. If space is insufficient to answer any question fully, attach a separate sheet. Complete all required supplemental forms/applications. "You" and "Your", as used in this application, means the Applicant.

			d Cyber Glo							
1.	1. GENERAL INFORMATION									
Name of Applicant:										
Street Address:										
City, State, Zip: Phone:										
Web	site:	:				Fax:				
Squ			cations owr	ed or leased by the Applic	ant (If appl	ying for Ger	neral Liabili	у		
2.	FO	RM OF BUSINE	SS							
	a.	Applicant is a(ar	n):] Individual	ition 🔲 P	artnership	Other:			
	b.	Date established	d:							
	c.	Description of op	perations:							
	d.	Total number of	employees							
		Attach a list of al of operations of ownership by the	each such s	es, affiliated companies or el subsidiary, affiliated compar	ntities owne ly or entity,	ed by the App (2) its relation	olicant and i	nclude a description Applicant and (3) th	of (1) the nature ne percentage of	
3.	RE	VENUES								
				Current Fiscal Year		<u>st</u> Fiscal Ye	ar	<u>Two</u> Fiscal Y	ears ago	
				ending /		ending /		ending	/	
_				(current projected)						
Tot		oss revenues:	\$		\$			\$		
4.										
1	IVL								I	
	a.	Do you collect, or electronic fo	rm?	process, control, use or sha		ate or sensit	ive informa	tion* in either paper	☐ Yes ☐ No	
		Do you collect, or electronic fo If "Yes", provide	rm? e the appro	kimate number of unique re	cords:		ive informa	tion* in either paper	☐ Yes ☐ No	
		Do you collect, or electronic fo If "Yes", provide Paper records:	rm? e the appro:	kimate number of unique red	cords: c records: _				☐ Yes ☐ No	
		Do you collect, or electronic fo If "Yes", provide Paper records: *Private or sensincluding, but no information, dri	rm? e the approx sitive information to limited to vers' licens	kimate number of unique re	cords: c records: _ n or data tha other gover unt number	at can be usenment identi	ed to unique	ely identify a person, abers, payment card	☐ Yes ☐ No	
		Do you collect, or electronic for lectronic for lf "Yes", provided Paper records: *Private or sensincluding, but not information, drift usernames, passed Do you collect fingerprints, voi	rm? e the approximate information of limited to vers' licens swords, headt, store, ho iceprints, fa	ximate number of unique red Electronic ation includes any information, social security numbers or numbers, financial accord	cords: c records: n or data tha other gover unt number dresses. or share an ns, DNA, or	at can be uson ment identifications, personal by biometric	ed to unique fication nun identificatio informatior	ely identify a person, abers, payment card n numbers (PINs),	☐ Yes ☐ No	
	a.	Do you collect, or electronic for lectronic for lf "Yes", provided Paper records: *Private or sensincluding, but not information, drifusernames, past Do you collect fingerprints, voicharacteristics lf "Yes", have y	rm? e the approximative information limited to vers' licens swords, head t, store, ho iceprints, fathat can be ou reviewed.	kimate number of unique red Electronic ation includes any information, social security numbers or e numbers, financial account lithcare records and email add st, process, control, use ocial, hand, iris or retinal scal	cords: c records: n or data that other gover unt numbers dresses. or share an ns, DNA, or person?	at can be use rnment identi s, personal y biometric any other bi storage and	ed to unique fication num identification information ological, ph destruction	ely identify a person, abers, payment card n numbers (PINs), or data, such as ysical or behavioral of such information		
	a.	Do you collect, or electronic for lectronic for lf "Yes", provided Paper records: *Private or sensincluding, but not information, drift usernames, pass. Do you collect fingerprints, voicharacteristics. If "Yes", have yor data with a laws?	rm? e the approximate information of limited to vers' licens swords, head, store, ho iceprints, fauthat can be ou reviewed qualified attention.	kimate number of unique red Electronic ation includes any information , social security numbers or e numbers, financial account lithcare records and email add st, process, control, use of cial, hand, iris or retinal scal used to uniquely identify a	cords: c records: n or data the other gover unt numbers dresses. or share an ns, DNA, or person? c collection, s liance with	at can be use rnment identi s, personal y biometric any other bi storage and	ed to unique fication num identification information ological, ph destruction	ely identify a person, abers, payment card n numbers (PINs), or data, such as ysical or behavioral of such information	☐ Yes ☐ No	
	a. b.	Do you collect, or electronic for lectronic for lf "Yes", provided Paper records: *Private or sensincluding, but not information, drift usernames, pass. Do you collect fingerprints, voicharacteristics. If "Yes", have yor data with a laws?	rm? e the approximate information limited to vers' licens swords, head to the swords, head to the the term of the	kimate number of unique receition includes any information, social security numbers or enumbers, financial account includes and email address, process, control, use or cial, hand, iris or retinal scalused to uniquely identify a layour policies relating to the orney and confirmed comparandle credit card transaction	cords: c records: n or data the other gover unt numbers dresses. or share an ns, DNA, or person? c collection, s liance with	at can be use rnment identi s, personal y biometric any other bi storage and	ed to unique fication num identification information ological, ph destruction	ely identify a person, abers, payment card n numbers (PINs), or data, such as ysical or behavioral of such information	☐ Yes ☐ No	
5.	b.	Do you collect, or electronic for lectronic for lectronic for lectronic for lectronic for lectronic formation, drivernames, pass described by the lectronic formation, drivernames, pass described by the lectronic formation lectronic lect	rm? e the approximate information limited to vers' licens swords, head to the swords, head to the the term of the	kimate number of unique receition includes any information, social security numbers or enumbers, financial account includes and email address, process, control, use or cial, hand, iris or retinal scalused to uniquely identify a layour policies relating to the orney and confirmed comparandle credit card transaction	cords: c records: n or data the other gover unt numbers dresses. or share an ns, DNA, or person? c collection, s liance with	at can be use rnment identi s, personal y biometric any other bi storage and	ed to unique fication num identification information ological, ph destruction	ely identify a person, abers, payment card n numbers (PINs), or data, such as ysical or behavioral of such information	☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No	
5.	b.	Do you collect, or electronic for lectronic for lectronic for lectronic for lectronic for lectronic formation, drivernames, paster lectronic lectr	e the approximate in the approximate information of limited to vers' licens swords, heat, store, ho iceprints, fathat can be ou reviewed qualified attempts, store, or heat PCI-DSS in the approximate in t	kimate number of unique receition includes any information, social security numbers or enumbers, financial account includes and email address, process, control, use or cial, hand, iris or retinal scalused to uniquely identify a layour policies relating to the orney and confirmed comparandle credit card transaction	cords: c records: n or data that other government numbers dresses. or share anns, DNA, or person? c collection, s liance with ns?	at can be usenment identics, personal by biometric any other bi storage and applicable for the storage and the storage	ed to unique fication nun identification information ological, ph destruction ederal, state	ely identify a person, libers, payment card n numbers (PINs), or or data, such as ysical or behavioral of such information e, local and foreign	☐ Yes ☐ No	
5.	b.	Do you collect, or electronic for lectronic for lectronic for lectronic for left "Yes", provide Paper records: *Private or sensincluding, but no information, dri usernames, pasted Do you collect fingerprints, voicharacteristics If "Yes", have your data with a laws? Do you process If "Yes", are you processed in this section must be don this section.	rm? e the approximate information of limited to vers' licens swords, head to the control of the control of the control of the control of the complete only, "you"	kimate number of unique rediction includes any information, social security numbers or enumbers, financial account includes and email address, process, control, use or cial, hand, iris or retinal scall used to uniquely identify a playour policies relating to the orney and confirmed componental credit card transaction includes the individual within the	cords: c records: n or data that other gover unt numbers dresses. or share an ns, DNA, or person? c collection, s liance with ns?	at can be use rnment identi s, personal y biometric any other bi storage and applicable for	ed to unique fication nun identification information ological, ph destruction ederal, state	ely identify a person, libers, payment card n numbers (PINs), or or data, such as ysical or behavioral of such information e, local and foreign	☐ Yes ☐ No	

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	Title:								
	Phone:	Email address:							
	IT Security Designation(s):								
b.	. The Applicant's network security is: Outsourced; provide the name of your network security provider:								
	Managed internally/in-house								
C.	If the Applicant's network sec	curity is outsourced, are you the main contact for the network security provider							
0.	named in question b. above?								
	If "No", provide the name and email address for the main contact:								
d.	How many IT personnel are o	on your team?							
e.	How many dedicated IT secu	rity personnel are on your team?							
security direct co Applica	controls, and, to the best of communications from the Insure nt's organization.	n have reviewed all questions in Sections 6 through 8 of this application regarding your knowledge, all answers are complete and accurate. Additionally, you cons r and/or its representatives regarding potentially urgent security issues identified	sent to receiving						
Print/Ty	/pe Name:								
Signatu	ire:								
	FORMATION AND NETWORK	SECURITY CONTROLS							
a.	Do you use a cloud provider	to store data or host applications?	☐ Yes ☐ No						
	•	the cloud provider:							
	If you use more than one clou	id provider to store data, specify the cloud provider storing the largest quantity of							
	sensitive customer and/or emp	bloyee records (e.g., including medical records, personal health information, social at details and credit card numbers) for you.							
b.		thentication (MFA) to secure all cloud provider services that you utilize (e.g.							
~ .), Microsoft Azure, Google Cloud)?	☐ Yes ☐ No						
c.		nd confidential information stored on your organization's systems and networks?	☐ Yes ☐ No						
	If "No", are the following comp	pensating controls in place: nat store sensitive and confidential information?	Yes No						
	(2) Access control with role-		☐ Yes ☐ No						
7. RA	NSOMWARE CONTROLS								
a.		potentially malicious attachments and links?	☐ Yes ☐ No						
	If "Yes", complete the following	<u></u>							
	(1) Select your email securit								
	-	me of your email security provider: ty to automatically detonate and evaluate attachments in a sandbox to determine							
		r to delivery to the end-user?	☐ Yes ☐ No						
b.	Do you allow remote access		☐ Yes ☐ No						
	If "Yes", do you use MFA to se (RDP) connections?	ecure all remote access to your network, including any remote desktop protocol	☐ Yes ☐ No						
	If MFA is used, complete the	following:							
	(1) Select your MFA provide								
	•	me of your MFA provider:							
	(2) Select your MFA type:	Choose an item.							
	If "Other", describe your	MFA type:							
		ration ensure that the compromise of a single device will only compromise a							
	single authenticator?		Yes No						
c.		through a web application or a non-corporate device?	Yes No						
d.	If "Yes", do you enforce MFA	on antivirus (NGAV) product to protect all endpoints across your enterprise?	Yes No						
u.									
	If "Yes", select your NGAV pr								
	If "Other", provide the name of	<u> </u>							
e.	Do you use an endpoint dete of all endpoint activity across	ection and response (EDR) tool that includes centralized monitoring and logging vour enterprise?	☐ Yes ☐ No						

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	If "\	es", complete the following:	
	(1)	Select your EDR provider: Choose an item.	
		If "Other", provide the name of your EDR provider:	
	(2)	Do you enforce application whitelisting/blacklisting?	☐ Yes ☐ No
	(3)	Is EDR deployed on 100% of endpoints?	☐ Yes ☐ No
		If "No", please use the Additional Comments section to outline which assets do not have EDR , and whether any mitigating safeguards are in place for such assets.	
	(4)	Can users access the network with their own device ("Bring Your Own Device")?	☐ Yes ☐ No
	• •	If "Yes", is EDR required to be installed on these devices?	 ☐ Yes ☐ No
f.	Do	you use MFA to protect all local and remote access to privileged user accounts?	☐ Yes ☐ No
		/es", select your MFA type: Choose an item.	
		Other", describe your MFA type:	
g.		you utilize a Security Operations Center (SOC)?	☐ Yes ☐ No
3		es", complete the following:	
		Is your SOC monitored 24 hours a day, 7 days a week?	☐ Yes ☐ No
		Your SOC is: Outsourced; provide the name of your provider:	
	(-)	☐ Managed internally/in-house	
h.	Do	you use a vulnerability management tool?	☐ Yes ☐ No
	If "`	es", complete the following:	
	(1)	Select your provider: Choose an item.	
		If "Other", provide the name of your provider:	
	(2)	What is your patching cadence?	
		1-3 days 4-7 days 8-30 days 1 month or longer	
i.		you use a data backup solution?	☐ Yes ☐ No
		es":	
	(1)	Which best describes your data backup solution?	
		Backups are kept locally but separate from your network (offline/air-gapped backup solution).	
		☐ Backups are kept in a dedicated cloud backup service.☐ You use a cloud-syncing service (e.g. Dropbox, OneDrive, SharePoint, Google Drive).	
		Other (describe your data backup solution):	
	(2)	Check all that apply:	
	(-,	☐ Your backups are encrypted.	
		☐ You have immutable backups.	
		☐ Your backups are secured with different access credentials from other administrator credentials.	
		☐ You utilize MFA for both internal and external access to your backups.	
		☐ You have tested the successful restoration and recovery of key server configurations and data from	
		backups in the last 6 months.	
		☐ You are able to test the integrity of backups prior to restoration to ensure that they are free of malware.	
	(3)	How frequently are backups run? ☐ Daily ☐ Weekly ☐ Monthly	
	(4)	Estimated amount of time it will take to restore essential functions using backups in the event of a widespread malware or ransomware attack within your network?	
		☐ 0-24 hours ☐ 1-3 days ☐ 4-6 days ☐ 1 week or longer	
		COMMENTS (Use this space to explain any "No" answers in the above section and/or to list other rel	evant IT security
measure	es yo	u are utilizing that are not listed here.)	
0 5	110111	NC CONTROL C	
		NG CONTROLS	
a.		any of the following employees at your company complete social engineering training: Employees with financial or accounting responsibilities?	☐ Yes ☐ No
	(1)	Employees <u>without</u> financial or accounting responsibilities?	Yes No
	٠,	'es" to question 8.a.(1) or 8.a.(2) above, does your social engineering training include phishing simulation?	 ☐ Yes ☐ No

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I	Does your organization send and/or receive wire transfers?						☐ Yes ☐ No	
	lf	If "Yes", does your wire transfer authorization process include the following:						
	(1	(1) A wire request documentation form?						Yes No
	(2	(2) A protocol for obtaining proper written authorization for wire transfers?				☐ Yes ☐ No		
	(3	3) A separation of authority protocol?				☐ Yes ☐ No		
		 (4) A protocol for confirming all payment or funds transfer instructions/requests from a new vendor, client or customer via direct call to that vendor, client or customer using only the telephone number provided by the vendor, client or customer before the payment or funds transfer instruction/request was received? (5) A protocol for confirming any vendor, client or customer account information change requests (including requests to change bank account numbers, contact information or mailing addresses) via direct call to that vendor, client or customer using only the telephone number provided by the vendor, client or 						d by ? Yes No ding
			fore the change requ			one namber previded	by the vender, enem	☐ Yes ☐ No
9. I	PROF	ESSIONAL SE						
			I the professional ser	vices for w	hich coverse	no is dosirod		
ı			•			escribed in Question 9.a		☐ Yes ☐ No
		"Yes", provide rofession:	an explanation below	and an es	timate of tota	al revenues derived from	n such other busines	s or
(or the revenues hers:	s listed in Question 3	B, provide th	ne approxim	ate percentage derived	from performing the	following services for
		Compute	er/Telecommunication	ns Systems	Consulting/	Design:	%	
			e/Software/System S	-	_	-	%	
			ment, Publication or I				% %	
			Software Developme	-	=	-	%	
			e/Firmware Developr				% %	
			e/Firmware Developi el Outsourcing/Contr			ding Robotics).	%	
			Outsourcing, Server		-		%	
			covery, Disaster Plan	-			%	
			Consulting and/or De	=			%	
			Fime Leasing, Web S			e Hosting:	%	
			Access Provider/Serv	rovide	er:		%	
			on Service Provider:				%	
			ease describe):			_	%	
			REVENUE:				100%	
(d. Ir				ne type(s) of	businesses to which yo	-	
		 Aeronaut 		%	•	Manufacturing	%	
		• Commun		%	•	Government/Military	%	
			er/Home use	%	•	Government/Non-Milit	•	
		 Engineer 	ring	%	•	Office	%	
		 Healthca 	re/Medical	%	•	Retail/Wholesale	%	
		 Internet 		%	•	Other (state):	%	
						TOTAL:	100%	
			largest jobs or projec			. , ,		· (T.110
Pro	ject/C	lient Name	Date Services I	<u> ∃egan</u>	Nature of	Services Performed	<u>Revenue</u>	% of Total Gross Revenue
								<u>17646HnG</u>

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10.	CO	NTRA	CTUAL INF	ORMATION						
	a.				clie	ents describing the	services provide	ed?		
		Do you use a written contract/agreement with clients describing the services provided? ☐ Always ☐ Most of the time ☐ Some of the time ☐ Never								
		Attach a sample copy of your written contract/agreement.								
	b.			s contain indemnification or I	<u> </u>		inuring to your b	enefit?		
				<u>_</u>		me of the time	□ Never			
	C.		•	s contain limitation of liability				benefit?		
	•					me of the time	□ Never			
	d.			s contain an exclusion of cor				enefit?		
	۵.	☐ Alv				me of the time	□ Never	mone:		
	е.			s contain guarantees or warr						
	С.					me of the time	□ Never			
	f.			iability for others under your						
	٠.			•		me of the time	□ Never			
	~			ant ever enter into contract				entingent upon the	oliont	
	g.			ductions or improved operat			services are co	mungent apon the t	Siletit	☐ Yes ☐ No
11.	ME	DIA LI	ABILITY							<u>'</u>
	a.			eminate or display any mater			usic, graphics or	video streams) of ot	hers	
		-		media material or media pla						☐ Yes ☐ No
			es", do you rial/content o	always obtain the necessa	ıry	rights, licenses, re	eleases & conse	ents for the use of	any	
				or others: rour process for obtaining the	, no	eoccary rights lies	onege rologege (consents for the us	o of	☐ Yes ☐ No
				ent of others.	, 110	ocssary rights, not	riscs, releases (x consents for the us	01	
	b.			olicies and procedures for i	lent	tifying, editing and	l/or removing de	famatory or infringir	ng cor	ntent from your
		websi	ites, media	material or media platforms.						
12.	10	25 HIS	STORY							
12.				question in 12.a. through 12	c h	nelow is "Yes" nle	ase complete a	Claim Supplemental	Form	for each claim
			or incident.	, a coa cir iir 12.a. an cagir 12	U. N	,0,0,1,0	acc comprete a	orann cappromena	. 0	ror caorr cramii,
	a.	In the	past three	(3) years, has the Applicant	or a	ny other person or	organization pro	posed for this insura	nce:	
				ny complaints or written de						
			•	, inquiry or other proceeding			•			☐ Yes ☐ No
				y complaints or written dem h of private information, ne						
				vice attacks, computer virus						
				of third parties to rely on the			, ,	, ,		☐ Yes ☐ No
				bject of any government ac	tion	, investigation or	other proceeding	gs regarding any alle	eged	
			-	rivacy law or regulation?						Yes No
				omers, clients or any third pa			each or privacy b	reach?		☐ Yes ☐ No
		. ,		y cyber extortion demand or			_			☐ Yes ☐ No
				ny unscheduled network out	-	•	-			Yes No
				ny property damage or busin		· ·		-		Yes No
		(8) S	Sustained ar	ny losses due to wire transfe	fra	iud, telecommunic	ations fraud or pl	hishing fraud?		☐ Yes ☐ No

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k	Do you or any other person or organization proposed for this insurance have knowledge of any wrongful act, error, omission, security breach, privacy breach, privacy-related event or incident or allegations of breach of privacy that may give rise to a claim?								
c	In the past three (3) years, has any service provider with access to the Applicant's network or computer system(s) sustained an unscheduled network outage or interruption lasting longer than four (4) hours?								
	If "Yes", did the Applicant experience an interruption in but	siness as a result of such outage or interruption?	☐ Yes ☐ No						
13. (3. GENERAL LIABILITY LOSS HISTORY								
ŀ	Please answer questions 13.a. & 13.b. below only if General Liability Coverage is desired.								
I	f the answer to question 13.a. or 13.b. is "Yes", please comple	te a Claim Supplemental Form for each claim, allega	tion or incident.						
а	Does the Applicant or any other person or organization p situation(s), circumstance(s) or allegation(s) of bodily injury that may give rise to a claim?		☐ Yes ☐ No						
t	 In the past five (5) years, has any claim for bodily injury, ρ ever been made against the Applicant or any other persor 		☐ Yes ☐ No						
NOTIC	E TO APPLICANT								
knowl	nsurance for which you are applying will not respond to edge prior to the effective date of the policy nor will cover been identified in question 12. and question 13. of this app	age apply to any claim or circumstance identified							
CONC	CE TO NEW YORK APPLICANTS: ANY PERSON WHO KN PANY OR OTHER PERSON FILES AN APPLICATION FO EALS FOR THE PURPOSE OF MISLEADING, INFORMATI AUDULENT INSURANCE ACT, WHICH IS A CRIME.	R INSURANCE CONTAINING ANY FALSE INFO	RMATION, OR						
exhau	pplicant hereby acknowledges that he/she/it is aware that sted, by claim expenses and, in such event, the Insure ment that exceed the limit of liability.	at the limit of liability shall be reduced, and may er shall not be liable for claim expenses or an	be completely y judgment or						
	EBY DECLARE that, after inquiry, the above statements a aterial fact, and that I agree that this application shall be		d or misstated						
CERTI	FICATION AND SIGNATURE								
provid	The Applicant has read the foregoing and understands that completion of this application does not bind the Underwriter or the Broker to provide coverage. It is agreed, however, that this application is complete and correct to the best of the Applicant's knowledge and belief, and that all particulars which may have a bearing upon acceptability as a TechGuard® Cyber Liability Insurance risk have been revealed.								
Applic the re	It is understood that this application shall form the basis of the contract should the Underwriter approve coverage, and should the Applicant be satisfied with the Underwriter's quotation. It is further agreed that, if in the time between submission of this application and the requested date for coverage to be effective, the Applicant becomes aware of any information which would change the answers furnished in response to any question of this application, such information shall be revealed immediately in writing to the Underwriter.								
This a	pplication shall be deemed attached to and form a part of the	Policy should coverage be bound.							
Must be signed by an officer of the company.									
Print c	nt or Type Applicant's Name Title of Applicant								
Signat	ignature of Applicant Date Signed by Applicant								

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California Fraud Warning

For your protection, California law requires the following to appear on this form: Any person who knowingly presents false or fraudulent information to obtain or amend insurance coverage or to make a claim for the payment of a loss is guilty of a crime and may be subject to fines and confinement in state prison.



Cyber Glossary

The following Cyber Glossary is provided to assist you in completing your application correctly and completely.

DomainKeys Identified Mail (DKIM) is an email authentication method that allows senders to associate a domain name with an email message, thus vouching for its authenticity. A sender creates the DKIM by "signing" the email with a digital signature. This "signature" is located in the message's header.

Domain-based Message Authentication, Reporting & Conformance (DMARC) is an email authentication protocol that uses Sender Policy Framework (SPF) and DKIM to determine the authenticity of an email message.

Endpoint application isolation and containment technology is a form of zero-trust endpoint security. Instead of detecting or reacting to threats, it enforces controls that block and restrain harmful actions to prevent compromise. Application containment is used to block harmful file and memory actions to other apps and the endpoint. Application isolation is used to prevent other endpoint processes from altering or stealing from an isolated app or resources.

Common Providers: Authentic8 Silo; BitDefender™ Browser Isolation; CylancePROTECT; Menlo Security Isolation Platform; Symantec Web Security Service

Endpoint Detection and Response (EDR), also known as endpoint *threat* detection and response, centrally collects and analyzes comprehensive endpoint data across your entire organization to provide a full picture of potential threats.

Common Providers: Carbon Black Cloud; Crowdstrike Falcon Insight; SentinelOne; Windows Defender Endpoint

Immutable backups are backup files that are fixed, unchangeable, and can be deployed to production servers immediately in case of ransomware attacks or other data loss.

Multi-Factor Authentication (MFA) is an electronic authentication method in which a computer user is granted access to a website or application only after successfully presenting two or more pieces of evidence to an authentication mechanism: knowledge (e.g., password), possession (e.g., phone or key), and inherence (e.g., FaceID or hand print). MFA for remote email access can be enabled through most email providers.

Common MFA providers for remote network access:

Okta; Duo; LastPass; OneLogin; and Auth0.

Next-Generation Anti-Virus (NGAV) is software that uses predictive analytics driven by machine learning and artificial intelligence and combines with threat intelligence to detect and prevent malware and fileless non-malware attacks, identify malicious behavior, and respond to new and emerging threats that previously went undetected. For purposes of completing this application, NGAV refers to anti-virus protection that focuses on detecting and preventing malware on each individual endpoint. If your organization has a NGAV solution **AND** you are centrally monitoring and analyzing all endpoint activity, please indicate that you have NGAV & EDR on the application.

Common Providers: BitDefender™; Carbon Black; CrowdStrike Falcon Prevent; SentinelOne; Sophos; Symantec

Offline/Air-gapped backup solution refers to a backup and recovery solution in which one copy of your organization's data is offline (i.e., disconnected) and cannot be accessed. If a file or system of files has no connection to the internet or a LAN, it can't be remotely hacked or corrupted.

Cyber Glossary

Powershell is a cross-platform task automation and configuration management framework from Microsoft, consisting of a command-line shell and scripting language. It is used by IT departments to run tasks on multiple computers in an efficient manner. For example, Powershell can be used to install a new application across your organization.

Privileged Account Management Software (PAM) is software that allows you to secure your privileged credentials in a centralized, secure vault (i.e., a password safe). To qualify as PAM, a product must allow administrators to create privileged access accounts; offer a secure vault to store privileged credentials; and monitor and log user actions while using privileged accounts.

Common Providers: CyberArk and BeyondTrust.

Protective DNS Service (PDNS) refers to a service that provides Domain Name Service (DNS) protection (also known as DNS filtering) by blacklisting dangerous sites and filtering out unwanted content. It can also help to detect & prevent malware that uses DNS tunneling to communicate with a command and control server.

Common Providers: Zscaler; Quad9; OpenDNS; and public sector PDNS.

Remote Desktop Protocol (RDP) connections is a proprietary protocol developed by Microsoft which provides a user with a graphical interface to connect to another computer over a network connection. The Microsoft RDP provides remote display and input capabilities over network connections for Windows-based applications running on a server.

Security Information and Event Management system (SIEM) is a subsection within the field of computer security, wherein software products and services combine security information management and security event management. SIEM provides real-time analysis of security alerts generated by applications and network hardware.



Security Operations Center (SOC) is a centralized unit that deals with security issues on an organizational and technical level.

Sender Policy Framework (SPF) is an email authentication technique used to prevent spammers from sending messages on behalf of your domain. With SPF, your organization can publish authorized mail servers.

Vulnerability management tool is a cloud service that gives you instantaneous, global visibility into where your IT systems might be vulnerable to the latest internet threats and how to protect against them. The tool is an ongoing process that includes proactive asset discovery, continuous monitoring, mitigation, remediation and defense tactics to protect your organization's modern IT attack surface from cyber threats.

Common Providers: Qualys; InsightVM by Rapid7; and Nessus® by Tenable™

