

Enterprise Cybersecurity How To Build A Successful Cyberdefense Program Against Advanced Threats

Enterprise Cybersecurity How To Build A Successful Cyberdefense Program Against Advanced Threats Enterprise Cybersecurity How to Build a Successful Cyberdefense Program Against Advanced Threats This blog post delves into the crucial aspects of building a robust cybersecurity program for enterprises facing sophisticated cyberattacks We explore the current threat landscape identify key trends and outline essential steps for developing a comprehensive defense strategy The post emphasizes a proactive approach ethical considerations and the importance of continuous improvement to safeguard sensitive data and business operations Cybersecurity Enterprise Security Advanced Threats Cyberdefense Threat Intelligence Security Awareness Incident Response Data Protection Ethical Hacking Risk Management Compliance Data Privacy Threat Landscape Cybercrime Ransomware Phishing In today's digital age enterprises face an increasingly sophisticated threat landscape From targeted ransomware attacks to sophisticated phishing campaigns the methods employed by cybercriminals are constantly evolving This blog post provides a comprehensive guide to building a successful cyberdefense program focusing on key elements like threat intelligence security awareness training robust incident response protocols and proactive measures to prevent breaches It also emphasizes the importance of ethical considerations and compliance with data privacy regulations in the digital age

Analysis of Current Trends in Enterprise Cybersecurity

The threat landscape for enterprises is constantly evolving demanding a dynamic and adaptive security approach Here are some key trends shaping the current cyberdefense landscape

Rise of Advanced Persistent Threats (APTs)

APTs are highly sophisticated targeted attacks often conducted by nationstates or organized criminal groups They leverage advanced tools and techniques to evade traditional security measures requiring organizations to adopt a 2 multilayered approach to defense

Increasing Use of Artificial Intelligence (AI) by Attackers

AI is increasingly being used by cybercriminals to automate attacks tailor phishing campaigns and bypass security controls This trend necessitates the use of AI-powered security solutions to detect and respond to

these threats Shifting Tactics Ransomware and Data Exfiltration Cybercriminals are increasingly opting for ransomware attacks demanding hefty sums to restore access to stolen data In addition data exfiltration where attackers steal sensitive information for financial gain or espionage is on the rise The Growth of IoT and Cloud Computing The expanding landscape of connected devices and cloud services creates new attack vectors increasing the complexity of managing and securing enterprise networks Rise of Insider Threats While external actors pose significant risks insider threats can also be devastating Unintentional mistakes by employees compromised credentials or malicious insiders can lead to data breaches Building a Successful Cyberdefense Program A successful cyberdefense program requires a multifaceted approach that encompasses 1 Threat Intelligence and Risk Assessment Understanding the Threat Landscape Develop a clear understanding of the threats specific to your industry and organization This includes analyzing attack patterns attacker motivations and potential vulnerabilities Regular Threat Assessments Conduct periodic risk assessments to identify potential weaknesses and prioritize mitigation strategies Staying Updated Subscribe to threat intelligence feeds engage in security communities and attend industry conferences to stay abreast of evolving threats 2 Security Awareness Training Empowering Employees Invest in comprehensive security awareness training programs for all employees Cover topics like phishing detection password hygiene safe browsing practices and data privacy principles Regular Drills Conduct simulated phishing attacks or other security exercises to test employee preparedness and identify knowledge gaps Promoting a Culture of Security Cultivate a securityconscious culture where employees feel comfortable reporting suspicious activities 3 Robust Security Controls Layered Security Implement a multilayered security approach that combines technical controls like firewalls intrusion detection systems IDS intrusion prevention systems IPS and antimalware software Data Encryption Encrypt sensitive data both at rest and in transit to protect it from unauthorized access Access Control Implement strong access controls to restrict user privileges and limit access to sensitive information 4 Incident Response Planning and Preparedness Developing a Plan Create a comprehensive incident response plan that outlines procedures for detecting containing and recovering from cyberattacks Regular Testing Simulate incidents to test the effectiveness of the response plan and identify areas for improvement Incident Response Team Form a dedicated incident response team comprised of security professionals IT experts and legal counsel 5 Proactive Measures to Enhance Security Regular Security Audits Conduct regular security audits to assess the effectiveness of existing controls and identify vulnerabilities Vulnerability Management Implement a

vulnerability management program to identify prioritize and remediate vulnerabilities in your systems Ethical Hacking Penetration Testing Engage ethical hackers to simulate realworld attacks and assess the effectiveness of your security posture 6 Compliance with Data Privacy Regulations Understanding Regulations Stay informed about relevant data privacy regulations like GDPR CCPA and HIPAA Implementing Controls Establish data governance and control processes to ensure compliance with data privacy regulations Data Retention Policies Develop and enforce clear data retention policies to minimize the risk of data breaches Ethical Considerations in Enterprise Cybersecurity Data Privacy and Transparency Prioritize data privacy and transparency in all your cybersecurity practices Be transparent with customers and employees about data collection 4 use and protection Ethical Hacking Practices Ensure that any ethical hacking or penetration testing activities are conducted responsibly and ethically Responsible Disclosure Establish a responsible disclosure program to encourage external researchers to report vulnerabilities in a safe and secure manner Data Security and Employee Rights Balance data security needs with employee rights to privacy and freedom of expression Conclusion Building a successful cyberdefense program against advanced threats is an ongoing and evolving process Enterprises must be proactive adaptable and dedicated to continuous improvement By prioritizing threat intelligence security awareness robust security controls incident response preparedness and ethical considerations organizations can significantly reduce their risk exposure and build a resilient cyberdefense posture in the face of evolving cyberattacks Remember cybersecurity is not a destination but a journey Continuous vigilance and commitment to best practices are essential for safeguarding your organizations data reputation and business continuity in the digital age

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a ground shaking exposé on the failure of popular cyber risk management methods how to measure anything in cybersecurity risk exposes the shortcomings of current risk management practices and offers a series of improvement techniques that help you fill the holes and ramp up security in his bestselling book how to measure anything author douglas w hubbard opened the business world s eyes to the critical need for better measurement this book expands upon that premise and draws from the failure of risk management to sound the alarm in the cybersecurity realm some of the field s premier risk management approaches actually create more risk than they mitigate and questionable methods have been duplicated across industries and embedded in the products accepted as gospel this book sheds light on these blatant risks and provides alternate techniques that can help improve your current situation you ll also learn which approaches are too risky to save and are actually more damaging than a total lack of any security dangerous risk management methods abound there is no industry more critically in need of solutions than cybersecurity this book provides solutions where they exist and advises when to change tracks entirely discover the shortcomings of cybersecurity s best practices learn which risk management approaches actually create risk improve your current practices with practical alterations learn which methods are beyond saving and worse than doing nothing insightful and enlightening this book will inspire a closer examination of your company s own risk management practices in the context of cybersecurity the end goal is airtight data protection so finding cracks in the vault is a positive thing as long as you get there before the bad guys do how to measure

anything in cybersecurity risk is your guide to more robust protection through better quantitative processes approaches and techniques

kickstart a career in cybersecurity by adapting your existing technical and non technical skills author alyssa miller has spent fifteen years in cybersecurity leadership and talent development and shares her unique perspective in this revealing industry guide in cybersecurity career guide you will learn self analysis exercises to find your unique capabilities and help you excel in cybersecurity how to adapt your existing skills to fit a cybersecurity role succeed at job searches applications and interviews to receive valuable offers ways to leverage professional networking and mentoring for success and career growth building a personal brand and strategy to stand out from other applicants overcoming imposter syndrome and other personal roadblocks cybersecurity career guide unlocks your pathway to becoming a great security practitioner you ll learn how to reliably enter the security field and quickly grow into your new career following clear practical advice that s based on research and interviews with hundreds of hiring managers practical self analysis exercises identify gaps in your resume what makes you valuable to an employer and what you want out of your career in cyber you ll assess the benefits of all major professional qualifications and get practical advice on relationship building with mentors about the technology do you want a rewarding job in cybersecurity start here this book highlights the full range of exciting security careers and shows you exactly how to find the role that s perfect for you you ll go through all the steps from building the right skills to acing the interview author and infosec expert alyssa miller shares insights from fifteen years in cybersecurity that will help you begin your new career with confidence about the book cybersecurity career guide shows you how to turn your existing technical skills into an awesome career in information security in this practical guide you ll explore popular cybersecurity jobs from penetration testing to running a security operations center actionable advice self analysis exercises and concrete techniques for building skills in your chosen career path ensure you re always taking concrete steps towards getting hired what s inside succeed at job searches applications and interviews building your professional networking and finding mentors developing your personal brand overcoming imposter syndrome and other roadblocks about the reader for readers with general technical skills who want a job in cybersecurity about the author alyssa miller has fifteen years of experience in the cybersecurity industry including penetration testing executive leadership and talent development table of contents part 1 exploring cybersecurity careers 1 this thing we call cybersecurity 2 the cybersecurity career landscape 3 help wanted skills in a hot market part 2 preparing for and mastering your job search 4

taking the less traveled path 5 addressing your capabilities gap 6 resumes applications and interviews part 3 building for long term success 7 the power of networking and mentorship 8 the threat of impostor syndrome 9 achieving success

do you want to learn what it takes to become a cybersecurity specialist do you want to know what types of cybersecurity roles exist and how much money can you make do you want to create or enhance your linkedin profile so recruiters would find you do you want to learn how to get real life experience in information technology do you want to know how you can get references while making good money do you want to know how to increase your chances to get a security job if the answer is yes to the above questions this book is for you this book contains 2 manuscripts book 1 what you must know about cybersecurity book 2 how to get a job in cybersecurity frequently asked questions question i don t know what entry level cybersecurity role i can get into will this book help me answer yes in this book you will learn about all types of security roles exists today as well the day to day operations which will help you decide what security path suits you best question i don t have any certifications and there are so many to choose from will this book help me understand the differences between certifications and degrees which one is better and which ones do i need in order to get a job answer yes this book will give you an overview of all cybersecurity certifications and help you choose which one you should start with according to your existing experience question i have been reading similar books before but i am still not sure if i should buy this book how do i know this book is any good answer this book is written by a security architect having over a decade of experience on platforms such as cisco systems checkpoint palo alto brocade back track kali linux redhat linux centos orion prime dlp ips ids nexus and much more learning from someone with real life experience is extremely valuable because you will learn about real life technologies and methodologies used in today s it infrastructure and cybersecurity division buy this book now and get started today in book 1 you will learn what types of roles exist in the field of cybersecurity what key concepts methodologies you must learn in cybersecurity what are the key technologies that you should be aware how to get started in the field of cybersecurity what kind of cybersecurity entry level salary you can expect how to plan and achieve a realistic targets using networking skills comprehend market hypes revolving around education and certifications how to overcome obstructions and get things done how to become a project oriented security professional what kind of mindset you must have in cybersecurity how to express your unique voice in cybersecurity what hr and hiring managers expect from you how to optimize your

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your job understand the different types of cybersecurity jobs available and what it means to be entry level build affordable practical labs to develop your technical skills discover how to set goals and maintain momentum after landing your first cybersecurity job who this book is for this book is for college graduates military veterans transitioning from active service individuals looking to make a mid career switch and aspiring it professionals anyone who considers cybersecurity as a potential career field but feels intimidated overwhelmed or unsure of where to get started will also find this book useful no experience or cybersecurity knowledge is needed to get started

get the know how you need to safeguard your data against cyber attacks cybercriminals are constantly updating their strategies and techniques in search of new ways to breach data security shouldn't you learn how to keep yourself and your loved ones safe fully updated with information on ai hybrid work environments and more cybersecurity for dummies is the best selling guide you need to learn how to protect your personal and business information from the latest cyber threats this book helps you build stronger defenses with detailed instructions on how to protect your computer your online data and your mobile devices learn how to set up the right security measures and prevent breaches as well as what to do if your information or systems are compromised learn about the different types of cyberattacks and how to defend against them beef up your data security for hybrid work environments and cloud storage keep your family members safe against deepfake and other social engineering attacks make sure you have a plan to respond quickly and limit damage in the event of a breach ideal for businesses and individuals who want to be cyber secure cybersecurity for dummies is also a great primer for anyone interested in pursuing a career in cybersecurity

tribe of hackers cybersecurity advice from the best hackers in the world 9781119643371 was previously published as tribe of hackers cybersecurity advice from the best hackers in the world 9781793464187 while this version features a new cover design and introduction the remaining content is the same as the prior release and should not be considered a new or updated product looking for real world advice from leading cybersecurity experts you've found your tribe tribe of hackers cybersecurity advice from the best hackers in the world is your guide to joining the ranks of hundreds of thousands of cybersecurity professionals around the world whether you're just joining the industry climbing the corporate ladder or considering consulting tribe of hackers offers the practical know how industry perspectives and technical insight you need to succeed in the rapidly growing information security

market this unique guide includes inspiring interviews from 70 security experts including lesley carhart ming chow bruce potter robert m lee and jayson e street get the scoop on the biggest cybersecurity myths and misconceptions about security learn what qualities and credentials you need to advance in the cybersecurity field uncover which life hacks are worth your while understand how social media and the internet of things has changed cybersecurity discover what it takes to make the move from the corporate world to your own cybersecurity venture find your favorite hackers online and continue the conversation tribe of hackers is a must have resource for security professionals who are looking to advance their careers gain a fresh perspective and get serious about cybersecurity with thought provoking insights from the world s most noteworthy hackers and influential security specialists

do you know that every 39 seconds there is a hacker attack in 2018 it is estimated that hackers stole half a billion personal records in the same year an estimated 62 of businesses experienced social engineering and phishing attacks however despite these alarming statistics over 70 of organizations still do not have a cyber security incident response plan in place now more than ever you need to know more about cyber security and how to protect important information both for you and your business recent studies on cyber security reveal that there has been an increase in hacked and breached data in the workplace in addition recent research on cyber security suggests that most organizations have poor cyber security practices which makes them vulnerable to cyber attacks what then can you do to mitigate this risk how do you protect yourself from cyber attacks how do you ensure that your organization is safe from hacking data breaches and other types of cyber threats this book cyber security will address all the above questions and any other you may have about cyber security here is a preview of what you will learn what cyber security is the history behind cyber security the four basic principles of cyber security the varied types of cyber security and their importance critical cyber security tools that you need an analysis of some of the costs of cyber attacks why cyber security is of great importance busting common myths about cyber security the different kinds of cyber threats you need to be aware of the importance of a cyber security plan how to come up with a suitable cyber security plan the importance of cyber security training the different types of jobs and roles in cyber security and much more cyber security may sound like something very complex however this book takes a simple easy to understand approach to breakdown complex topics so that you can understand better and take appropriate action to protect your information once you finish reading are you ready to learn about cyber security and how to protect your information

do you know what is hacking do you want to learn about cyber security are you unaware of mistakes made in cybersecurity this book is for you this book teaches cyber security how to defend themselves and defend against cyber attacks this book covers the latest security threats and defense strategies cyber security starts with the basics that organizations need to know to maintain a secure posture against outside threat and design a robust cybersecurity program it takes you into the mindset of a threat actor to help you better understand the motivation and the steps of performing an actual attack the cybersecurity kill chain this book also focuses on defense strategies to enhance the security of a system you will also discover in depth tools including azure sentinel to ensure there are security controls in each network layer and how to carry out the recovery process of a compromised system what you will learn the importance of hacking use cyber security kill chain to understand the attack strategy common cyber attacks benefits of cyber security utilize the latest defense tools including azure sentinel and zero trust network strategy identify different types of cyber attacks such as sql injection malware and social engineering threats such as phishing emails weigh the pros and cons of popular cybersecurity strategies of the past two decades implement and then measure the outcome of a cybersecurity strategy get an in depth understanding of the security and hacking understand how to consistently monitor security and implement a vulnerability management strategy for on premises and hybrid cloud learn demand of cyber security this open access book provides an integrative view on cybersecurity it discusses theories problems and solutions on the relevant ethical issues involved this work is sorely needed in a world where cybersecurity has become indispensable to protect trust and confidence in the digital infrastructure whilst respecting fundamental values like equality fairness freedom or privacy the book has a strong practical focus as it includes case studies outlining ethical issues in cybersecurity and presenting guidelines and other measures to tackle those problems who this book is for for the it professional venturing into the it security domain it pen testers security consultants or those looking to perform ethical hacking prior knowledge of penetration testing is beneficial issues it is thus not only relevant for academics but also for practitioners in cybersecurity such as providers of security software governmental certs or chief security officers in companies what are you waiting for order your copy now

the world is more digitally connected than ever before and with this connectivity comes vulnerability it is therefore vital that all professionals understand cyber risk and how to minimize it this means that cyber security skills are in huge demand and there are vast career opportunities to be taken confident cyber security is here to help this jargon busting

guide will give you a clear overview of the world of cyber security exploring everything from the human side to the technical and physical implications this book takes you through the fundamentals how to keep secrets safe how to stop people being manipulated and how to protect people businesses and countries from those who wish to do harm featuring real world case studies from disney the nhs taylor swift and frank abagnale as well as social media influencers and the entertainment and other industries this book is packed with clear explanations sound advice and practical exercises to help you understand and apply the principles of cyber security let confident cyber security give you that cutting edge career boost you seek about the confident series from coding and web design to data digital content and cyber security the confident books are the perfect beginner s resource for enhancing your professional life whatever your career path

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3 books in 1 deal include book 1 what you must know about cybersecurity book 2 how to get a job in cybersecuritybook 3 how to defend against hackers malwarein this book you will learn what types of roles exist in the field of cybersecuritywhat key concepts methodologies you must learn in cybersecuritywhat are the key technologies that you should be awarehow to get started in the field of cybersecurity what kind of cybersecurity entry level salary you can expect how to plan and achieve a realistic targets using networking skillscomprehend market hypes revolving around education and certificationshow to overcome obstructions and get things done how to become a project oriented security professionalwhat kind of mindset you must have in cybersecurityhow to express your unique voice in cybersecuritywhat hr and hiring managers expect from you how to optimize your linkedin profile and get recruiters to find youhow to enhance your linkedin profile to vastly rank yourselfhow to get real life experience in information technologyhow to get working experience by working for free how to increase your chances to get a security jobhow you can get references while making good moneyhow you can build your personal brand in cybersecurityhow you can market yourself by providing valuehow to network and make your presents visible how to find the perfect employer in cybersecuritywhat responsibilities employers expect from you how to become more valuable than the majority of candidates on the markethow you can find security certification that fits you bestwhat are the three

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over 700 pages of insight into all things cybersecurity cybersecurity all in one for dummies covers a lot of ground in the world of keeping computer systems safe from those who want to break in this book offers a one stop resource on cybersecurity basics personal security business security cloud security security testing and security awareness filled with content to help with both personal and business cybersecurity needs this book shows you how to lock down your computers devices and systems and explains why doing so is more important now than ever dig in for info on what kind of risks are out there how to protect a variety of devices strategies for testing your security securing cloud data and steps for creating an awareness program in an organization explore the basics of cybersecurity at home and in business learn how to secure your devices data and cloud based assets test your security to find holes and vulnerabilities before hackers do create a culture of cybersecurity throughout an entire organization this for dummies all in one is a stellar reference for business owners and it support pros who need a guide to making smart security choices any tech user with concerns about privacy and protection will also love this comprehensive guide

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in the ciso desk reference guide develop your cybersecurity career path we'll show you how to break into cybersecurity at any level whether you are just starting and are looking for an entry level position or want to translate many years of experience to the right level this book will help we start at the beginning of your journey and help you determine if this is the right field for you then we give you're the tools to conduct a self assessment to see how you stack up to the requirements of the field after the self assessment we transition to your human network the job search itself and then guide you through the transition into your cybersecurity career gary has been writing articles and mentoring would be cyber warriors for several years he has selflessly shared every aspect of his journey from the head shaking behavior of clueless recruiters to the vulnerabilities of not feeling qualified for the job that

would help him provide for his family when he left the military after a long and secure career chris and renee have been hosting a weekly podcast called breaking into cybersecurity since september of 2019 having met just before then online engaging with the community the three authors met online using the same networking techniques they recommend throughout this book there is no better way to blend these varied perspectives than to use the tri perspective storytelling technique that gary helped pioneer along with bill bonney and matt stamper the three amigos that authored the ciso desk reference guide and now publish the ciso drg catalog of titles gary christophe and renee care deeply about their chosen career field and our collective mission in addition to shepherding their own careers each has been involved in hiring developing and mentoring cyber pros and would be cyber pros for years in develop your cybersecurity career path they each share their perspective about the career the community and the commitment and how you can develop your cybersecurity career and land your first cybersecurity job

how to start a xxxx business about the book unlock the essential steps to launching and managing a successful business with how to start a xxxx business part of the acclaimed how to start a business series this volume provides tailored insights and expert advice specific to the xxx industry helping you navigate the unique challenges and seize the opportunities within this field what you ll learn industry insights understand the market including key trends consumer demands and competitive dynamics learn how to conduct market research analyze data and identify emerging opportunities for growth that can set your business apart from the competition startup essentials develop a comprehensive business plan that outlines your vision mission and strategic goals learn how to secure the necessary financing through loans investors or crowdfunding and discover best practices for effectively setting up your operation including choosing the right location procuring equipment and hiring a skilled team operational strategies master the day to day management of your business by implementing efficient processes and systems learn techniques for inventory management staff training and customer service excellence discover effective marketing strategies to attract and retain customers including digital marketing social media engagement and local advertising gain insights into financial management including budgeting cost control and pricing strategies to optimize profitability and ensure long term sustainability legal and compliance navigate regulatory requirements and ensure compliance with industry laws through the ideas presented why choose how to start a xxxx business whether you re wondering how to start a business in the industry or looking to enhance your current operations how to

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this book provides the hands on experience and knowledge you need to become a proficient cybersecurity professional join a community of learners collaborate on projects and enhance your skills with real world applications what you will learn master python fundamentals and advanced concepts tailored for cybersecurity applications develop practical skills through hands on projects including encryption tools and intrusion detection systems explore web scraping techniques to gather valuable security intelligence implement network scanners to identify active devices and vulnerabilities secure iot devices using python programming and best practices conduct web application penetration tests and vulnerability assessments build machine learning models for malware detection create a blockchain based secure communication system who this book is for cybersecurity enthusiasts it professionals programmers and anyone interested in mastering python programming for cybersecurity applications whether you re a beginner or an experienced developer this book provides a comprehensive understanding of python s role in the cybersecurity landscape table of contents introduction to python and cybersecurity python basics for beginners working with strings and lists in python file handling in python introduction to cybersecurity concepts scraping and data mining network programming with python introduction to ethical hacking application security cybersecurity tools with python cybersecurity automation with python machine learning for cybersecurity blockchain and cybersecurity mobile security and iot devices best practices and future trends in cybersecurity embark on your cybersecurity journey today equip yourself with python skills solve real world challenges and become a cybersecurity expert dive into python programming for cybersecurity and transform your passion into expertise your journey to becoming a cybersecurity expert starts here master python programming and cybersecurity essentials with practical projects expert guidance and real world applications don t just read about cybersecurity experience it hands on grab your copy of python programming for cybersecurity now and embark on a transformative learning adventure

enterprise cybersecurity empowers organizations of all sizes to defend themselves with next generation cybersecurity programs against the escalating threat of modern targeted cyberattacks this book presents a comprehensive framework for managing all aspects of an enterprise cybersecurity program it enables an enterprise to architect design implement and operate a coherent cybersecurity program that is seamlessly coordinated with policy programmatics its life cycle and assessment fail safe cyberdefense is a pipe dream given sufficient time an intelligent attacker can eventually defeat defensive measures protecting an enterprise s computer systems and its networks to prevail an enterprise cybersecurity program must

manage risk by detecting attacks early enough and delaying them long enough that the defenders have time to respond effectively enterprise cybersecurity shows players at all levels of responsibility how to unify their organization s people budgets technologies and processes into a cost efficient cybersecurity program capable of countering advanced cyberattacks and containing damage in the event of a breach the authors of enterprise cybersecurity explain at both strategic and tactical levels how to accomplish the mission of leading designing deploying operating managing and supporting cybersecurity capabilities in an enterprise environment the authors are recognized experts and thought leaders in this rapidly evolving field drawing on decades of collective experience in cybersecurity and it in capacities ranging from executive strategist to systems architect to cybercombatant scott c donaldson stanley g siegel chris k williams and abdul aslam have fought on the front lines of cybersecurity against advanced persistent threats to government military and business entities

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