

Resources for Understanding Cybersecurity



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This Resource Guide has been put together for you to gain a foundational understanding of Cybersecurity

TOPICS

Best Practice

Careers & Teams

Industry Guides

Compliance

Cloud

Ransomware

ICS

Vulnerability Management

Phishing

IAM

IoT

Bonus Content

With thanks to:

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Best Practice

Topic	Link
Creating Cybersecurity Team	<u>How to Build a Remote Security Team</u>
Training	<u>Cybersecurity Training: Raising Awareness And Securing Your Business</u>
Culture	<u>Creating a Cybersecurity Culture</u>
Cybersecurity is Everyone's Job	<u>Cybersecurity is Everyone's Job</u>
Risk Management	<u>How to Apply the Risk Management Framework (RMF)</u>
NIST	<u>NIST Cybersecurity Framework – The Key to Critical Infrastructure Cyber Resiliency</u>
CIS	<u>Center for Internet Security (CIS) Controls: Your Complete Guide of the Top 20</u>
MitreATT&CK	<u>The MITRE ATT&CK Framework: What You Need to Know</u>
Compliance Program	<u>Cloud Compliance Best Practices: A Quick Overview</u>

Careers & Teams

Topic	Link
Why Choose Cybersecurity	<u>Why Cybersecurity is Great Choice</u>
Getting Started	<u>11 Resources to Help You Get Started in the Cybersecurity Industry</u>
Paths to Cybersecurity	<u>Diversity in Cybersecurity: A Mosaic of Career Possibilities</u>
Skills Gap	<u>Expert Guide to Tackling Skills Gap</u>
Professional Development	<u>Security for Life: Promoting the Development of a Security Professional</u>
Training	<u>11 Respected Providers of IT Security Training</u>
Burnout	<u>8 Daily Practices to Avoid Cybersecurity Burnout</u>
Role of CISO	<u>CISO Interview Series: How Aiming for the Sky Can Help Keep Your Organization Secure</u>
Getting Experience	<u>How to Get the Experience You Need to Pursue SSCP</u>
Working from Home	<u>6 Cybersecurity Tips for Working from Home</u>
Mobile Security	<u>2021 Cybersecurity: Mitigating Mobile Security Risks for CISOs</u>
Insider Threats	<u>How to Secure Hybrid Teams Against Insider Threats</u>
Checklist	<u>Checklist for Securing Remote Working Environments</u>

Industry Guides

Topic	Link
Auto Industry	<u>5 Cybersecurity Considerations for the Auto Industry</u>
Aviation	<u>The Aviation Industry Needs to Move Towards Cyber Resilience</u>
Banking	<u>How can banks succeed in the digital banking era?</u>
Construction	<u>Cybersecurity Challenges in the Construction Industry</u>
Critical Infrastructure	<u>Industrial Cybersecurity: Guidelines for Protecting Critical Infrastructure</u>
eCommerce	<u>Newbie Retailer's Guide to E-commerce Security</u>
Electricity	<u>Achieving CIP Compliance, NERC-Style</u>
Finance	<u>Cyber Risks for Financial Institutions</u>
Healthcare	<u>Security with Life & Death Consequences</u>
Hospitality	<u>Malicious Actors Reserving Their Cyber Attacks for the Hospitality Industry</u>
Maritime	<u>U.S. National Cybersecurity Plan Promises to Safeguard Maritime Sector</u>
Oil & Gas	<u>Securing the Oil & Natural Gas Pipelines</u>
Transportation	<u>Transportation Systems Sector Cybersecurity Framework Implementation Guide</u>
Water	<u>15 Cybersecurity Fundamentals for Water and Wastewater Facilities</u>

Compliance

Topic	Link
Overview	<u>The Hidden Benefits of Compliance</u>
HIPAA	<u>Understanding the HIPAA Security Rule: What you Need to know</u>
PCI	<u>A Beginner's Guide to PCI Compliance</u>
GDPR	<u>The Ultimate GDPR Checklist</u>
California	<u>Are you prepared for CCPA? What you need to know</u>
FedRAMP	<u>FedRAMP and Federal Cloud Security</u>
CMMC	<u>CMMC – What you need to know</u>
FISMA	<u>How to Pick the Right Solution for FISMA SI-7 Compliance</u>
NERC CIP	<u>NERC CIP Audit Field Guide</u>
NIS	<u>NIS Compliance</u>

Cloud

Topic	Link
Training	<u>Skills for Professionals</u>
Fundamentals	<u>What is Different about Cloud Security</u>
Migration	<u>Tips for Cloud Migration</u>
Fundamentals for Azure	<u>8 Cloud Security Best Practice Fundamentals for Microsoft Azure</u>
CIS Foundations for Cloud Security	<u>How the CIS Foundations Benchmarks Are Key to Your Cloud Security</u>
Multi-Cloud	<u>The Many Challenges of a Multi-Cloud Business Environment</u>
Storage Misconfiguration	<u>Cloud-Based Storage Misconfigurations – Understanding the Security Risks and Responses</u>
Resources	<u>6 Cloud Security Resources that You Should Be Using</u>
Compliance	<u>Overcoming Compliance Issues in Cloud Computing</u>
Team	<u>Is Your Security Team Cloud Ready?</u>

Ransomware

Topic	Link
Overview	<u>The Digital Pandemic – Ransomware</u>
Evolving Threat	<u>The Evolving Threat of Ransomware</u>
NIST Guide	<u>NIST Releases Guidelines for Managing the Ransomware Risk</u>
History	<u>A Brief History of Ransomware Evolution</u>
Ransomware as a Service	<u>What is Ransomware-as-a-Service and How Does it Work?</u>
Types of Ransomware	<u>REvil, Ryuk and Tycoon Ransomware: How They Work and How to Defend Against Them</u>
Costs	<u>Ransomware Prevention vs. Recovery: Which Costs Businesses More?</u>
Double Extortion	<u>Rise of Double-Extortion Shines Spotlight on Ransomware Prevention</u>
Ransomware in OT	<u>Contextualizing the Ransomware Threat Confronting OT Environments</u>

Industrial Control Systems



Topic	Link
Overview	<u>Securing Industrial Control Systems</u>
Resource Guide	<u>8 Top Technical Resources for ICS Security Professionals</u>
Risk Management	<u>ICS Risk & Vulnerability Assessment</u>
USB Threats	<u>Report: USB threats to ICS systems have nearly doubled</u>
Challenges	<u>ICS Security: What It Is and Why It's a Challenge for Organizations</u>
Health & Safety Environments	<u>Why is Health, Safety and Environment (HSE) dependent on ICS Cybersecurity?</u>
IT-OT Convergence	<u>Securing Industrial Control Systems</u>

Vulnerability Management



Topic	Link
Crowd Sourced Opinions	<u>Vulnerability Management: Myths, Misconceptions and Mitigating Risk</u>
Guide to	<u>SMB Guide to Vulnerability Management</u>
Best Practices	<u>Vulnerability Management Program Best Practices</u>
Lessons	<u>Steps for Successful Vulnerability Management: Lessons from the Pitch</u>
Difference from Pentesting	<u>The Difference Between Vulnerability Management and Penetration Testing</u>

Identity & Access Management



Topic	Link
Guide to Zero Trust	<u>Guide to Access & Account Management</u>
Modern Authentication	<u>What is Identity Based Zero Trust</u>
SSH	<u>What is Modern Authentication and Its Role in Achieving Zero Trust Security?</u>
Least Privilege	<u>Why SSH Is Key to Your IAM Strategy</u>
SSO	<u>The Principle of 'Least Privilege' in the World of Cybersecurity</u>
MFA	<u>Understanding Single Sign On as a Means of Identity Access Management</u>
	<u>Building on the IAM Benefits of SSO with MFA and Privileged Access Management</u>

Internet of Things



Topic	Link
Security Challenges	<u>Survey: 99% of Security Pros Struggling to Secure Their IoT & IIoT Devices</u>
Healthcare	<u>IoT Security Meets Healthcare: What You Need to Know</u>
Primer on How to Secure Vulnerabilities	<u>A Primer: Establishing Cybersecurity IoT Device Guidance</u>
	<u>Top 10 Vulnerabilities that Make IoT Devices Insecure</u>

Phishing



Topic	Link
Common Phishing Attacks	<u>6 Common Phishing Attacks and How to Protect Against Them</u>
Small Businesses	<u>Phishing Attacks Often Target Small Businesses – Here's What to Watch for</u>
Phishing Simulations	<u>Don't Warn Your Co-Workers About That Phishing Test</u>
Deepfakes	<u>Deepfake Voice Technology Iterates on Old Phishing Strategies</u>

Bonus Resources

Topic	Link
Frameworks	<u>Your Guide to Mitigating Evolving Risk with the Right Security Framework</u>
Resource Guide	<u>9 Great Resources for DevSecOps</u>
DDoS	<u>What Is a DDoS Attack and How Can You Stop Them?</u>
Kubernetes	<u>Kubernetes Certificate Security: What You Need to Know</u>
Cybersecurity Acronyms	<u>40 Cybersecurity Acronym Definitions</u>
API Security	<u>4 Things to Know About API Security</u>
Credential Stuffing	<u>The Anatomy of a Credential Stuffing Attack</u>
Threat Detection	<u>Accurate and Reliable Threat Detection for your Security Program</u>
XDR	<u>The XDR Advantage: Eliminate Dwell Time and Gain Visibility</u>
XDR	<u>Move from Reactive to Proactive Security with Open XDR</u>
IPS and IDS	<u>Are IPS And IDS Still Relevant?</u>



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