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CSIS Top 20 Critical Security Controls Boot Camp

This boot camp helps you master the 20 Important Security Controls as published by the Center for Strategic and International Studies (CSIS).

Course description

Securing the United States against cyberattacks has become one of the nation's highest priorities. To achieve this objective, networks, systems, and the operations teams that support them must vigorously defend against external attacks. Furthermore, for those external attacks that are successful, defenses must be capable of thwarting, detecting and responding to follow-on attacks on internal networks as attackers spread inside a compromised network.

This group of 20 crucial controls is designed to begin the process of establishing a prioritized baseline of information security measures and controls that can be applied across enterprise environments. Fifteen of these controls can be monitored, at least in part, automatically and continuously. Five controls are essential but do not appear to be able to be monitored continuously or automatically with current technology and practices.

Who should attend

- » Information security professionals
- » Network administrators
- » System architects and engineers
- » IT and security managers
- » Anyone looking to learn about critical security controls

Boot camp at a glance



What you'll learn

- ✓ Common cyberattacks and how to prevent them
- ✓ Ensuring consistent controls across an enterprise
- ✓ Automating and measuring defenses



Delivery methods

- ✓ Online
- ✓ In person
- ✓ Team onsite



Training duration

- ✓ Immediate access to Infosec Skills
- ✓ 5-day boot camp
- ✓ 90-day extended access to all boot camp materials

The hands-on cybersecurity training platform that moves as fast as you do

Infosec Skills boot camps are engineered to match the way today's cybersecurity professionals prefer to learn. In addition to days of live training from an experienced pro, you'll get unlimited access to 100s of additional hands-on cybersecurity courses and cyber ranges to help you advance your skills before, during and after your boot camp. Your Infosec Skills access extends 90 days past your boot camp, so you can take additional time to prepare for your exam, or get a head start on your next certification goal.



Start training immediately

Prepare for your boot camp with immediate access to the Infosec Skills on-demand training library.



Learn by doing in the cyber range

Put what you've learned into practice with 100s of browser-based labs and hands-on projects.



Get unlimited custom practice exams

Uncover knowledge gaps with unlimited practice exams attempts and skill assessments.



700+ IT and security courses

Earn CPEs and build new skills with 100s of additional training courses.

What's included

- » Five days of expert, live CSIS Top 20 training
- » 100% Satisfaction Guarantee
- » Free 90-day Infosec Skills subscription (access to 1,400+ additional courses and labs)
- » 90-day extended access to all boot camp video replays and materials
- » Knowledge Transfer Guarantee

About the CSIS 20 Top 20

The control areas and individual subcontrols described focus on various technical aspects of information security, with a primary goal of supporting organizations in prioritizing their efforts in defending against today's most common and damaging computer and network attacks. Outside of the technical realm, a comprehensive security program should also take into account numerous additional areas of security, including overall policy, organizational structure, personnel issues (e.g., background checks) and physical security.

To help maintain focus, the controls in this document do not deal with these important, but non-technical, aspects of information security. Organizations should build a comprehensive approach in these other aspects of security as well, but overall policy, organization, personnel and physical security are outside of the scope of this document.

What you'll learn

- » Defenses should focus on addressing the most common and damaging attack activities occurring today
- » Enterprise environments must ensure consistent controls across an enterprise to effectively negate attacks
- » Defenses should be automated where possible, and periodically or continuously measured using automated measurement techniques where feasible
- » To address current attacks occurring on a frequent basis against numerous organizations, a variety of specific technical activities should be undertaken to produce a more consistent defense

Learn from experts

We don't just have great instructors, our instructors have years of industry experience and are recognized as experts. Over the past 15 years, we've helped tens of thousands of students get certified and advance their careers.

What our students are saying

Incredible! I have attended classes where the instructor just read PowerPoints — our instructor added so much additional information to the class and knows the field of security inside and out! I was very pleased with his knowledge and instructional skills.

Sheree Moore
Mobile County Public Schools

I went to West Point for my bachelor's, Columbia for my master's and had multiple Army-led courses, and this ranks as one of the best, most engaging courses that I have ever had.

William Jack
Deloitte Consulting, LLC

The instructor was able to take material that prior to the class had made no sense and explained it in real-world scenarios that were able to be understood.

Erik Heiss
United States Air Force

Skill up and get certified, guaranteed



100% Satisfaction Guarantee

If you're not 100% satisfied with your training at the end of the first day, you may withdraw and enroll in a different online or in-person course.



Knowledge Transfer Guarantee

If an employee leaves within three months of obtaining certification, Infosec will train a different employee for free for up to one year.

CSIS Top 20 Boot Camp details

Our instructors give you 100% of their time and dedication to ensure that your time is well spent. You receive an immersive experience with no distractions!

Before your boot camp

Start learning now. You'll get immediate access to all the content in Infosec Skills the moment you enroll. Prepare for your live boot camp, uncover your knowledge gaps and maximize your training experience.

During your boot camp

- » Information Security Overview
 - » Mitigating Threats
 - » Organizational Security
 - » User- and Role-based Security
 - » Authentication
 - » Peripheral Security
 - » Application and Messaging Security
 - » Cryptography
 - » Public Key Infrastructure
 - » Network Security
 - » Ports and Protocols
 - » Wireless Security
 - » Remote Access Security
 - » Vulnerability Testing and Monitoring
 - » Business Continuity
- » NIST Overview and SP 800-53
- » The Top 20 Controls
 - » Inventory of authorized and unauthorized devices
 - » Inventory of authorized and unauthorized software
 - » Secure configurations for hardware and

- software on workstations and servers
- » Continuous vulnerability assessment
- » Malware defenses
- » Application software security
- » Wireless device control
- » Data recovery capability
- » Security skills assessment and appropriate training to fill gaps
- » Secure configurations for network devices such as Firewalls, Routers, and Switches
- » Limitation and control of network ports, protocols, and services
- » Controlled use of administrative privileges
- » Boundary defense
- » Maintenance, monitoring, and analysis of security audit logs
- » Controlled access based on the need to know
- » Account monitoring and control
- » Data loss prevention
- » Incident response management
- » Secure network engineering
- » Penetration tests and red team exercises

After your boot camp

Your Infosec Skills access extends 90 days past your boot camp, so you can take additional time to prepare for your exam, get a head start on your next certification goal or start earning CPEs.

About Infosec

Infosec's mission is to put people at the center of cybersecurity. We help IT and security professionals advance their careers with skills development and certifications while empowering all employees with security awareness and phishing training to stay cyber-safe at work and home. Learn more at infosecinstitute.com.