

# Information Assurance (STIG) Overview (TT8800)

**Duration:** 16.00 hours (2 days)

**13.0 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

The Information Assurance (STIG) Overview is a comprehensive two-day course that delves into the realm of Information Assurance, empowering you to enhance your cybersecurity skills, understand the essentials of STIGs, and discover cutting-edge web application security practices. This immersive experience is tailored for IT professionals, developers, project teams, technical leads, project managers, testing/QA personnel, and other key stakeholders who seek to expand their knowledge and expertise in the evolving cybersecurity landscape. The course focuses on the intricacies of best practices for design, implementation, and deployment, inspired by the diverse and powerful STIGs, ultimately helping participants become more proficient in application security. The first half of the course covers the foundations of DISA's Security Technical Implementation Guides (STIGs) and learn the ethical approach to bug hunting, while exploring the language of cybersecurity and dissecting real-life case studies. Our expert instructors will guide you through the importance of respecting privacy, working with bug bounty programs, and avoiding common mistakes in the field. The next half delves into the core principles of information security and application protection, as you learn how to identify and mitigate authentication failures, SQL injections, and cryptographic vulnerabilities. You'll gain experience with STIG walkthroughs and discover the crucial steps for securing web applications. Throughout the course, you'll also explore the fundamentals of application security and development, including checklists, common practices, and secure development lifecycle (SDL) processes. You'll learn from recent incidents and acquire actionable strategies to strengthen your project teams and IT organizations. You'll also have the opportunity to explore asset analysis and design review methodologies to ensure your organization is prepared to face future cybersecurity challenges.

## About This Course

The Information Assurance (STIG) Overview is a comprehensive two-day course that delves into the realm of Information Assurance, empowering you to enhance your cybersecurity skills, understand the essentials of STIGs, and discover cutting-edge web application security practices. This immersive experience is tailored for IT professionals, developers, project teams, technical leads, project managers, testing/QA personnel, and other key stakeholders who seek to expand their knowledge and expertise in the evolving cybersecurity landscape. The course focuses on the intricacies of best practices for design, implementation, and deployment, inspired by the diverse and powerful STIGs, ultimately helping participants become more proficient in application security. The first half of the course covers the foundations of DISA's Security Technical Implementation Guides (STIGs) and learn the ethical approach to bug hunting, while exploring the language of cybersecurity and dissecting real-life case studies. Our expert instructors will guide you through the importance of respecting privacy, working with bug bounty programs, and avoiding common mistakes in the field. The next half delves into the core principles of information security and application protection, as you learn how to identify and mitigate authentication failures, SQL injections, and cryptographic vulnerabilities. You'll gain experience with STIG walkthroughs and discover the crucial steps for securing web applications. Throughout the course, you'll also explore the fundamentals of application security and development, including checklists, common practices, and secure development lifecycle (SDL) processes. You'll learn from recent incidents and acquire actionable strategies to strengthen your project teams and IT organizations. You'll also have the opportunity to explore asset analysis and design review methodologies to ensure your organization is prepared to face future cybersecurity challenges.

## **Who Should Attend**

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The intended audience for this comprehensive course on Information Assurance and STIGs includes professionals with roles such as:

IT professionals - System administrators, network engineers, and security analysts who are responsible for maintaining and securing IT infrastructure and web applications.

Developers - Software engineers and web developers who design, implement, and maintain web applications, and need to integrate security best practices throughout the development process.

Project teams - Cross-functional teams that collaborate on application development projects, including members from development, testing, and deployment teams. Technical leads - Senior software engineers or architects who oversee technical aspects of projects and ensure the implementation of secure design and coding practices. Project managers - Professionals responsible for planning, executing, and closing projects, ensuring that security requirements are met throughout the project lifecycle.

# Learning Outcomes

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## **Upon successful completion of this course, participants will be able to:**

Working in an interactive learning environment, guided by our application security expert, you'll explore:

The concepts and terminology behind defensive coding

Threat Modeling as a tool in identifying software vulnerabilities based on realistic threats against meaningful assets

The entire spectrum of threats and attacks that take place against software applications in today's world

The role that static code reviews and dynamic application testing to uncover vulnerabilities in applications

The vulnerabilities of programming languages as well as how to harden installations

The basics of Cryptography and Encryption and where they fit in the overall security picture

The requirements and best practices for program management as specified in the STIGS

The processes and measures associated with the Secure Software Development (SSD)

The basics of security testing and planning

Understand the concepts and terminology behind defensive coding

Understand Threat Modeling as a tool in identifying software vulnerabilities based on realistic threats against meaningful assets

Learn the entire spectrum of threats and attacks that take place against software applications in today's world

Discuss the role that static code reviews and dynamic application testing to uncover vulnerabilities in applications

Understand the vulnerabilities of programming language as well as how to harden installations

Understand the basics of Cryptography and Encryption and where they fit in the overall security picture

Understand the fundamentals of XML Digital Signature and XML Encryption as well as how they are used within the web services arena

Understand the requirements and best practices for program management as specified in the STIGS

Understand the processes and measures associated with the Secure Software Development (SSD)

Understand the basics of security testing and planning

## Additional Course Details

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Nexus Humans Information Assurance (STIG) Overview (TT8800) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Information Assurance (STIG) Overview (TT8800) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

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## **Q: What delivery options are available for Information Assurance (STIG) Overview (TT8800)?**

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
  - Traditional Instructor-Led Classroom Training (ILT)
  - On-site delivery at your offices anywhere in United Kingdom
  - Private dedicated courses customized for your team
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## **Q: How many CPD hours does this course provide?**

The 2-day Information Assurance (STIG) Overview (TT8800) course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the Information Assurance (STIG) Overview (TT8800) training?**

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

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## **Q: Do you provide corporate training for Information Assurance (STIG) Overview (TT8800)?**

Yes, we provide corporate training, dedicated training, and closed classes for Information Assurance (STIG) Overview (TT8800). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

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## Q: Why choose Nexus Human for Information Assurance (STIG) Overview (TT8800)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:


- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

## Q: Are there any discount codes available?


Yes! Use discount code **PENPAL5** when booking your Information Assurance (STIG) Overview (TT8800) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

# Nexus Human

## Professional Training & Development

 Email: [info@nexushuman.com](mailto:info@nexushuman.com)

 Website: [www.nexushuman.com](http://www.nexushuman.com)

 Phone: +353 1 XXX XXXX (Ireland) | +44 20 XXXX XXXX (UK)