

NIST Cybersecurity Framework (NCSF) Foundation



Days: 1

Prerequisites: Basic computing skills and security knowledge.

Audience: Security, IT, Risk Management, Policy Makers, and other business professionals who have responsibility for aspects of business or technical security can benefit from this course.

Description: This one-day LRS NIST Cybersecurity Foundation course is designed for anyone in an organization who needs to understand the basics of cybersecurity, the components of the NIST CSF, and how the NIST CSF aligns to risk management.

OUTLINE:

LESSON 1: COURSE INTRODUCTION

- Provides the student with information relative to the course and the conduct of the course in the classroom, virtual classroom, and course materials.

LESSON 2: THE BASICS OF CYBERSECURITY

- What is cybersecurity?
- Types of attackers
- Vulnerabilities
- Exploits
- Threats
- Controls
- Frameworks
- Risk-Based Cybersecurity

LESSON 3: A HOLISTIC STUDY OF THE NIST CYBERSECURITY FRAMEWORK

- History
 - EO 13636
 - Cybersecurity Enhancement Act of 2014
 - EO 13800
- Uses and Benefits of the Framework
- Attributes of the Framework
- Framework Component Introduction
 - Framework Core
 - Framework Profiles
 - Framework Implementation Tiers

LESSON 4: CYBERSECURITY ACTIVITIES: THE FRAMEWORK CORE

- Purpose of the Core
- Core functions, Categories, and Subcategories
- Informative References

LESSON 5: RISK MANAGEMENT CONSIDERATIONS: FRAMEWORK IMPLEMENTATION TIERS

- Purpose of Tiers
- The Four Tiers
- Components of the Tiers
- Compare and contrast the NIST Cybersecurity Framework with the NIST Risk Management Framework

LESSON 6: CURRENT AND DESIRED OUTCOMES: FRAMEWORK PROFILES

- Purpose of the Profiles
- The Two Profiles
- Interrelationships between the Framework Components

LESSON 7: A PRIMER ON THE SEVEN STEP FRAMEWORK IMPLEMENTATION PROCESS

- Prioritize and Scope
- Orient
- Create a Current Profile
- Conduct a Risk Assessment
- Create a Target Profile
- Determine, Analyze, and Prioritize Gaps
- Implement Action Plan