NIST CSF Enterprise

NIST Cybersecurity Framework Enterprise Training & Mentoring Solutions

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Agenda and Objectives

- NIST CSF Enterprise

- NIST CSF Frameworks & Methods

- NIST CSF Enterprise Training & Mentoring Catalog

- NISTCSF.COM – IT & NIST Cybersecurity Workforce Development Consortium

- NIST CSF Enterprise Training Program

NIST CSF Enterprise

- Three things are certain in today's business world:
  - Digital services are now at the center of all businesses
  - Business is a moving target
  - Businesses are under attack from those trying to steal the critical information companies rely on for daily business operations and revenue generation

- The demand for a best practice approach to manage, secure and improve the digital services that drive today's enterprise has never been greater.

NIST CSF FRAMEWORKS & Methods

- Today, due to the ever changing threat landscape created by Mobile Computing, Cloud, the Internet of Things (IoT) and a very sophisticated network of threat actors (i.e., the bad guys) enterprises need to operationalize the IT and NIST Cybersecurity management frameworks and methods necessary to identify, protect, detect, respond and recover from daily cyber attacks.

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NIST CSF Frameworks & Methods

- **NIST Cybersecurity Framework**
  The NIST Cyber Security Framework provides guidance and training's on how enterprises can proactively manage and improve a digital services portfolio in terms of enterprise cybersecurity risk.

- **NICE Cybersecurity Workforce Framework**
  The NICE Cyber Security Framework provides guidance and training's on how enterprises can proactively manage and improve its digital cybersecurity workforce.

- **Axelos ITIL® Cyber Service Management Framework**
  The ITIL® Service Management Framework provides guidance and training's on how enterprises can proactively manage and improve a digital service portfolio in terms of agility, development, operations, cost, quality and compliance

- **Axelos RESILIA™ Cyber Resilience Framework**
  The RESILIA™ Cyber Resilience Framework provides guidance and training's on how enterprises can proactively manage and improve a digital service portfolio in terms of business resiliency and recovery

- **ISACA Cobit Cyber Governance Framework**
  The COBIT Governance Framework provides guidance and training's on how enterprises can proactively manage and improve a digital service portfolio in terms of risk policies and controls

NIST CSF Frameworks & Methods (cont.)

- **PMI PMBOK Framework & Axelos PRINCE2 Project Management Methodology**
  The PMI PMBOK Framework and the PRINCE 2 Project Management Methodology provides guidance and training's on how enterprises can improve its digital service projects by using knowledge and techniques that result in desired business outcomes

- **IDT Digital Enterprise Readiness Framework**
  The Institute for Digital Transformation Digital Enterprise Readiness Framework provides guidance and training's on how DX enterprises can manage and improve a digital business in terms of Operational Sustainability, Organizational Agility, Strategic Agility, and operating within a Disruptive Culture (Coming Soon)

- **Cloud Security Alliance Cybersecurity Framework**
  The Cloud Security Alliance Framework provides guidance and training's on how enterprises can adopt the cloud paradigm safely and securely (Coming Soon).

- **SI Cyber Software & Application Security Testing Methodology**
  The Security Innovations Software & Application Testing Methodology provides guidance and training's on how enterprises can make software systems and applications safer regardless of their operating environment (web, IoT) (Coming Soon).

NIST CSF Enterprise Training & Mentoring Catalog

- NISTCSF training programs are designed to help enterprises acquire the knowledge, skills and abilities to operationalize, maintain and improve IT & NIST cybersecurity best practice controls and management system frameworks across an enterprise and its supply chain.

NISTCSF Service & Project Management Training				NISTCSF IT & Programming Training			NISTCSF Business Skills Training	
IT Service Management	IT Project Management	Cybersecurity Management	IT Cloud Management	Software Programming	IT Networking	Information Security	Microsoft Office Skills	General Business Skills
27 Courses	17 Courses	15 Courses	11 Courses	24 Courses	45 Courses	30 Courses	68 Courses	31 Courses
ITIL V3	PMI	NIST CSF	AZURE	C+	Microsoft	ISC2	O365 END USER	HR
ITIL V4	PRINCE2	NIST 800-171	AWS	C++	Cisco	ISACA	O365 ADMIN	LEGAL
RESILIA	AGILE	COBIT	COMPTIA	JAVA	COMPTIA	COMPTIA	O365 SHAREPOINT	ACCOUNTING
COBIT	SCRUM	ISO27001	SHAREPOINT	PYTHON	VMware	MILE2	O365 WEB APPS	CYBERSECURITY
ISO20000		FAIR VaR	SQL SERVER	RUBY		IoT	WORD	SOCIAL MEDIA
DEVOPS		DEVSECOPS	CLOUD SECURITY	ANGULAR 5			EXCEL	COMMUNICATIONS
DIGITAL READINESS				ASP.NET			POWERPOINT	COMPUTERS
AGILEshift				HADOOP			OUTLOOK	INTERNET
SAFe				PERL			ACCESS	SHAREPOINT
				SQL 2014			PROJECT	PROJECT MGMT.
				RESTFUL			LYNX	
				SELENIUM			DATA ANALYSIS	
				BOOT STRAP				
				SECURE CODING				

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NISTCSF.COM – IT & NIST CYBERSECURITY WORKFORCE DEVELOPMENT CONSORTIUM

- **itSM Solutions NISTCSF.COM is a global consortium of academic, government and industry thought leaders** working together to create cybersecurity training programs that help organizations operationalize, maintain and improve the IT and NIST Cybersecurity frameworks and methods created by the National Institute of Standards & Technologies (NIST) and other internationally recognized institutes and standards organizations.

- The consortium's goal is to provide academia and enterprises with an affordable and scalable way to train, skill and certify today's IT and NIST cybersecurity workforce.

NIST CSF Enterprise Training Program

Securing Executive Commitment

Selecting the Leadership Team

Conditioning the Organization for Change

Empowering the Organization to Change

Institutionalizing the Program with HR

A Five Phase Approach to Building an Enterprise Digital Workforce

- Securing Executive Commitment
- Selecting the Leadership Team
- Conditioning the Organization for Change
- Empowering the Organization to Change
- Institutionalizing the Program with HR

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Phase #1 – Executive Training Services

Securing Executive Commitment

Phase #1
Securing Executive
Commitment
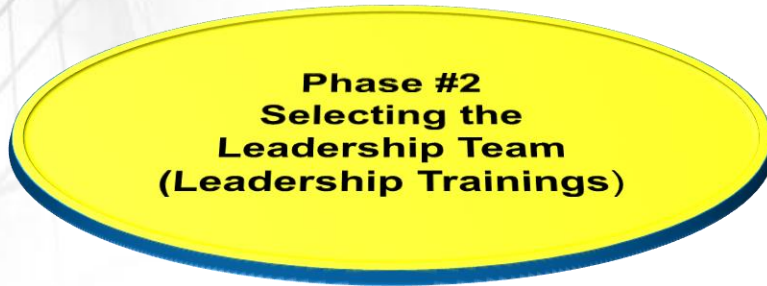(Executive Trainings)

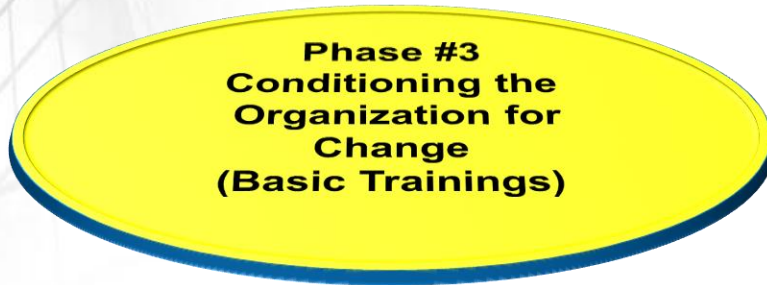| Organization Role	Objective	Training Programs
CEO, CFO, CIO, CISO CRO, CCO, PMO Director, SMO Director, Governance Director	To help the executive team understand the benefits associated with operationalizing a NISTCSF program	Executive Overview Executive Simulations Digital Readiness Training

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Phase #2 – Leadership Training Services

Selecting the Leadership Team

**Phase #2
Selecting the
Leadership Team
(Leadership Trainings)**

Organization Role	Objective	Training Programs
Practice Owners, Service Owners, Change Mgrs. Operation Mgrs. CSI Mgrs. Business Analysts	To help the leadership team acquire the knowledge and skills to develop an actionable NISTCSF plan	Assessment Training NCSF Assessment Training Digital Readiness Training Planning to Change Workshop Internet of Things Training ITIL® Training RESILIA Training Prince 2 Training NIST Cybersecurity Training Simulations

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Phase #3 – Enterprise Readiness Training

**Phase #3
Conditioning the
Organization for
Change
(Basic Trainings)**

Organization Role	Objective	Training Program
All IT staff, senior leadership, stakeholders and supply chain partners	To help condition the enterprise for NISTCSF change through a series of online awareness and simulation trainings	Awareness Simulations Digital Readiness Training

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Phase #4 – Practitioner Training

Empowering the Organization to Change (Specialty Trainings)

Organization Role	Objective	Training Programs
1st Line Mgrs. Practice & Service Owners Architects & Strategists Operation & System, Analysts Business & Quality Analysts Program & Project Managers Operation & Change Mgrs. Service Level & CSI Mgrs. Tool Administrators	To provide the NISTCSF practitioners the knowledge and skills to plan, design, implement, operate and improve a NISTCSF program.	NIST Cybersecurity Framework Training NIST Cybersecurity Employee Training NICE Cybersecurity Workforce Trainings Internet of Things Training ITIL Trainings RESILIA Trainings Prince 2 Trainings ISO 27001 Training Cobit Training Simulation Trainings

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Phase #5 – HR Training Program

Institutionalize the
Program with HR
(HR Programs)

Organization Role	Objective	Activities
HR Manager	To establish HR policies and procedures for training new employees and a career pathway for existing employees practicing NISTCSF	Setup both eLearning and role-based Blended Learning NISTCSF best practice training solutions for new and existing employees

Questions & Answers