

# NIST/NICE Enterprise

NIST/NICE Cybersecurity Workforce Training Solutions



# Agenda and Objectives

- NIST/NICE Enterprise
- NIST/NICE Best Practice Frameworks & Programs
- NIST/NICE Enterprise Training & Mentoring Catalog
- NISTCSF.COM – NIST/NICE Enterprise Training Consortium
- NIST/NICE Enterprise Training Program

# NIST/NICE 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/NICE FRAMEWORKS & Methodologies

- 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 best practice frameworks and methodologies that enable it to identify, protect, detect, respond and recover from cyber-attacks.

# NIST/NICE Frameworks & Methodologies

- **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/NICE Frameworks & Methodologies (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/NICE Cybersecurity Workforce Training Catalog

- NIST/NICE training and mentoring programs are designed to teach enterprises the knowledge, skills and abilities to operationalize the frameworks and methods necessary to identify, protect, detect, respond and recover from cyber-attacks. Training programs include:

NIST/NICE Service & Project Management Training				NIST/NICE IT & Programming Training			NIST/NICE 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 ITIL V4 RESILIA COBIT ISO20000 DEVOPS DIGITAL READINESS AGILEshift SAFe	PMI PRINCE2 AGILE SCRUM	NIST CSF NIST 800-171 COBIT ISO27001 FAIR VaR DEVSECOPS	AZURE AWS COMPTIA SHAREPOINT SQL SERVER CLOUD SECURITY	C+ C++ JAVA PYTHON RUBY ANGULAR 5 ASP.NET HADOOP PERL SQL 2014 RESTFUL SELENIUM BOOT STRAP SECURE CODING	Microsoft Cisco COMPTIA VMware	ISC2 ISACA COMPTIA MILE2 IoT	O365 END USER O365 ADMIN O365 SHAREPOINT O365 WEB APPS WORD EXCEL POWERPOINT OUTLOOK ACCESS PROJECT LYNX DATA ANALYSIS	HR LEGAL ACCOUNTING CYBERSECURITY SOCIAL MEDIA COMMUNICATIONS COMPUTERS INTERNET SHAREPOINT PROJECT MGMT.

# NISTCSF.COM – NIST/NICE Enterprise Training Consortium

- **itSM Solutions NIST/NICE.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 NIST/NICE Cybersecurity frameworks and methodologies 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 cybersecurity workforce.

# NIST/NICE Enterprise Training Program



## 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

# 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 NIST/NICE program	Executive Overview Executive Simulations Digital Readiness Training



# 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 NIST/NICE 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

# 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 NIST/NICE change through a series of online awareness and simulation trainings	Awareness Simulations Digital Readiness Training



# 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 NIST/NICE practitioners the knowledge and skills to plan, design, implement, operate and improve a NIST/NICE 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



# 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 NIST/NICE	Setup both eLearning and role-based Blended Learning NIST/NICE best practice training solutions for new and existing employees



# Questions & Answers

