WELCOME TO ISACA 2015

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WHO IS ISACA?

MORE EMPOWERED

ABOUT ISACA

- The trusted source of guidance, networking and career development for professionals working in cybersecurity, assurance, risk management, privacy and IT governance

- Nonprofit professional association

- More than 140,000 professionals in 180 countries

- Provider of knowledge and tools to assure trust in a dynamically changing digital world

- World-renowned certifications

ISACA®
Trust in, and value from, information systems

ISACA CHAPTERS

**International Headquarters Office
in Chicago**
200+ Chapters Worldwide

Chapters provide:

- Access to affordable local continuing education
- Networking with professional peers
- Opportunity to make a positive impact on the local business community and the profession
- Information exchange opportunities through chapter meetings
- Leadership experience on local boards and committees

ISACA ACTIVITIES

- **Cybersecurity Nexus™**, offering credentials, training and guidance for cybersecurity professionals and their organizations

- Advances and validates business-critical skills and knowledge through globally respected **certifications and certificates**

- **Conferences, training and education,** including face-to-face events, training weeks, webinars, virtual conferences and onsite training

- **COBIT®**, a business framework that helps enterprises govern and manage their information and technology

- **IS auditing standards and guidelines**

- **Periodicals,** including the peer-reviewed *ISACA Journal*

- **Research and publications,** including guidance, frameworks, white papers, surveys

HISACA®

Trust in, and value from, information systems

CYBERSECURITY NEXUS (CSX)

83% believe cyberattacks are one of the top three threats facing organizations today

86% say there is a global shortage of skilled cybersecurity professionals

Only **38%** feel prepared to fend off a sophisticated attack*

ISACA launched CSX to help address the growing worldwide cybersecurity skills crisis.

CSX fills an unmet need for a single, central location where security professionals and their enterprises can find cybersecurity research, guidance, certificates and certifications, education, mentoring and community.

CSX offers:
- CSX 2015, Washington DC, USA, 19-21 October 2015
- Cybersecurity Fundamentals Certificate (including workshop and study guide)
- Certifications, including Certified Information Security Manager (CISM)
- European Cybersecurity Implementation Series
- Implementing the NIST Cybersecurity Framework
- Advanced Persistent Threat Awareness Study Results

* 2015 Global Cybersecurity Status Report, ISACA

CYBERSECURITY NEXUS (CSX) ISACA ROMA

CSX Fundamentals courses every month
- Rome
- Milan

CObIT for NIST Course every two months
- Rome
- Milan

Direct collaboration with NIST Institute

Member of CIS Sapienza for NIST development in Italy

CSX full certification training classes and laboratories in 2018
- CSX Practitioner for all domains
- Setting-up laboratory for practice and exams at "La Sapienza" University

ISACA CERTIFICATIONS

…provide assurance by conducting audits and assessments of information systems…

…oversee, direct and manage information security activities…

CISA Certified Information Systems Auditor®
An ISACA® Certification

CISM® Certified Information Security Manager®
An ISACA® Certification

CGEIT® Certified in the Governance of Enterprise IT®
An ISACA® Certification

CRISC™ Certified in Risk and Information Systems Control
An ISACA® Certification

…define, establish, maintain and manage a framework of governance over IT…

…identify, evaluate and manage risk through the development, implementation and maintenance of information systems controls…

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ISACA ROMA CERTIFICATIONS

COBIT 5 AND OTHER ISACA RESEARCH

MORE EFFECTIVE

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COBIT 5

COBIT
5
A Business Framework for the Governance and Management of Enterprise IT

COBIT
AN ISACA® FRAMEWORK
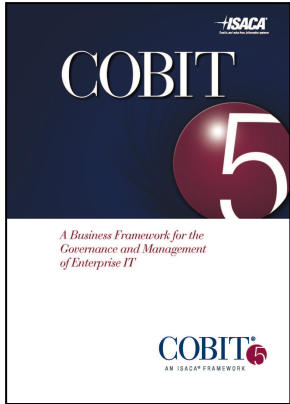
- Framework for the governance and management of enterprise IT
- Leverages proven practices, global thought leadership and ground-breaking tools to inspire IT innovation and fuel business success
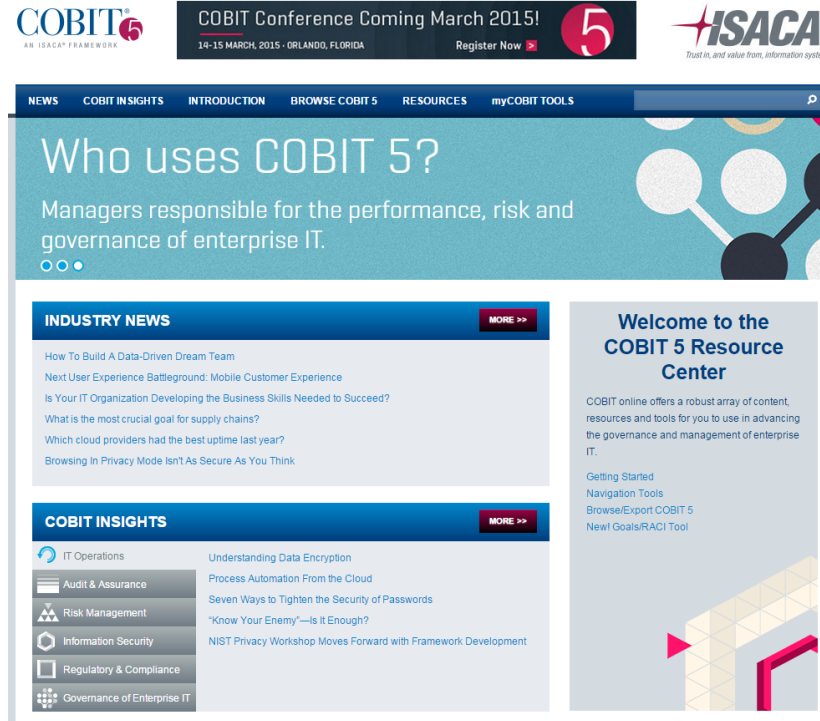
COBIT ONLINE
cobitonline.isaca.org

Get timely content from ISACA and external sources covering the top issues and factors facing the industry, as well as ISACA exclusive white papers.
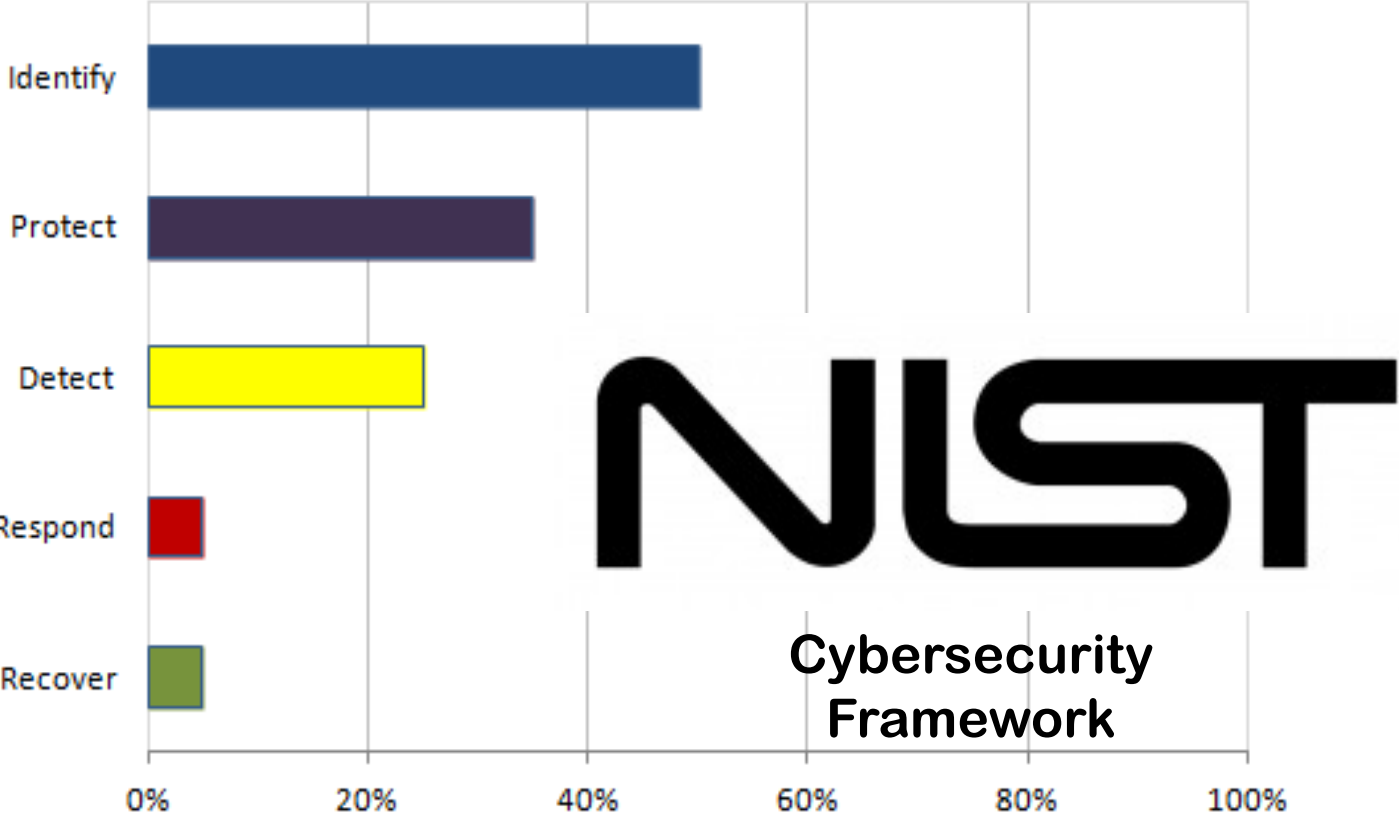
Customize the Automated Goals Cascade and RACI Planner tool for your organization or clients.

COBIT RECOGNITIONS

- COBIT 5 is included as an informative reference in the core of the US Cybersecurity Framework.

- COBIT is recognized by the Information Technology Department of the Government of Kerala (India) as the standard for IT governance representing its national e-governance plan.

- COBIT is accepted by His Highness' Rulers Court (HHRC) Financial Audit Department (Supreme Audit Institution of Dubai) as its IT governance framework and is used in within all government organizations.

- COBIT is recognized and its use promoted or required by the Banking Regulator in Brazil, Colombia, Costa Rica, Mexico, Paraguay, Uruguay and Venezuela.

NIST ASSESSMENT TOOL

Development of an automated NIST assessment tool

Cybersecurity Framework

NIST Cybersecurity Framework Summary

FUNCTION	CATEGORY	practices performed	practices incompletely performed	practices not performed
Identify (ID) 22%	**ID.AM** Asset Management	13	25	1
	ID.BE Business Environment	20	24	7
	ID.GV Governance	6	24	13
	ID.RA Risk Assessment		16	18
	ID.RM Risk Management Strategy		5	8
Protect (PR) 30%	**PR.AC** Access Control	27	14	2
	PR.AT Awareness and Training	12	19	9
	PR.DS Data Security	9	6	7
	PR.IP Information Protection Processes and Procedures	30	73	63
	PR.MA Maintenance	6	5	2
	PR.PT Protective Technology	6	4	2
Detect (DE) 13%	**DE.AE** Anomalies and Events	2	8	1
	DE.CM Security Continuous Monitoring	1	9	4
	DE.DP Detection Processes	2	7	5
Respond (RS) 30%	**RS.RP** Response Planning			1
	RS.CO Communications		7	2
	RS.AN Analysis	1	2	2
	RS.MI Mitigation	3		1
	RS.IM Improvements	3	1	
Recover (RC) 0%	**RC.RP** Recovery Planning			1
	RC.IM Improvements		2	3
	RC.CO Communications		4	2

NIST CSF Summary: 141 / 255 / 154 — 26%

Identify (ID): 39 / 94 / 47 — 22%
Protect (PR): 90 / 121 / 85 — 30%
Detect (DE): 5 / 24 / 10 — 13%
Respond (RS): 7 / 10 / 6 — 30%
Recover (RC): 0 / 6 / 6 — 0%

Legend: number of practice questions — 12 / 10 / 6

CONFERENCES AND TRAINING WITH ISACA ROME SPEAKERS

- Asia-Pacific Computer Audit, Control and Security (CACS)

- CSX 2016 Europe - London

- CSX 2016 Asia - Singapore

- EuroCACS 2017 – Munich

- Cyber Security Central 2017 - Prague

- Cyber Security Summit 2017 - Mumbai

- Latin America CACS

- CSX 2017 North America 2017 – Washington DC

- CSX 2017 Europe - London

COBIT CASE STUDIES

Energy company Ecopetrol S.A. knew it needed a clear approach for governance and management of IT services as well as best global reference standards and a framework, so it used the COSO and COBIT frameworks, which helped consolidate strong IT governance practices that were totally aligned with the corporative internal control initiatives.

IESO used COBIT 5 for the procurement of IT services, helping to accelerate the procurement process and improve the contract and how it is managed.

An early adopter of COBIT 4.1, HDFC integrated the seven enablers introduced by COBIT 5.

Maitland has found that the governance principles in COBIT are universally applicable—not exclusive to the ICT domain—and is in the process of applying them enterprisewide.

ISACA SURVEYS

IT Risk/Reward Barometer
www.isaca.org/risk-reward-barometer

The annual IT Risk/Reward Barometer polls thousands of business and IT professionals and consumers worldwide to uncover attitudes and behaviors about essential technologies and information, and the trade-offs people make to balance risk and reward.

2014 Risk/Reward Barometer: A global look at the benefits and challenges of the Internet of Things
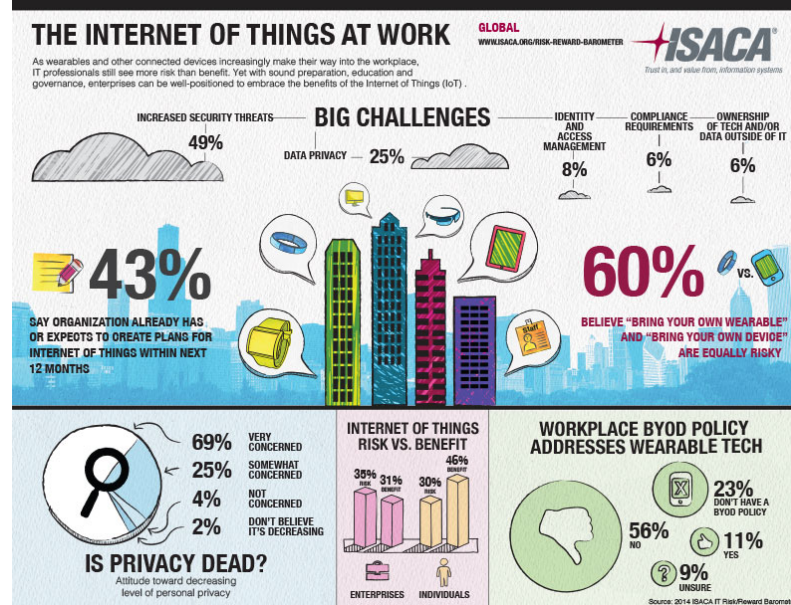
2015 Global Cybersecurity Status Report
www.isaca.org/cybersecurityreport

ISACA conducted the 2015 Global Cybersecurity Status Report in January 2015 to obtain real-time insights on cybersecurity threats, skills gaps and plans outlined in US President Barack Obama's cybersecurity address.
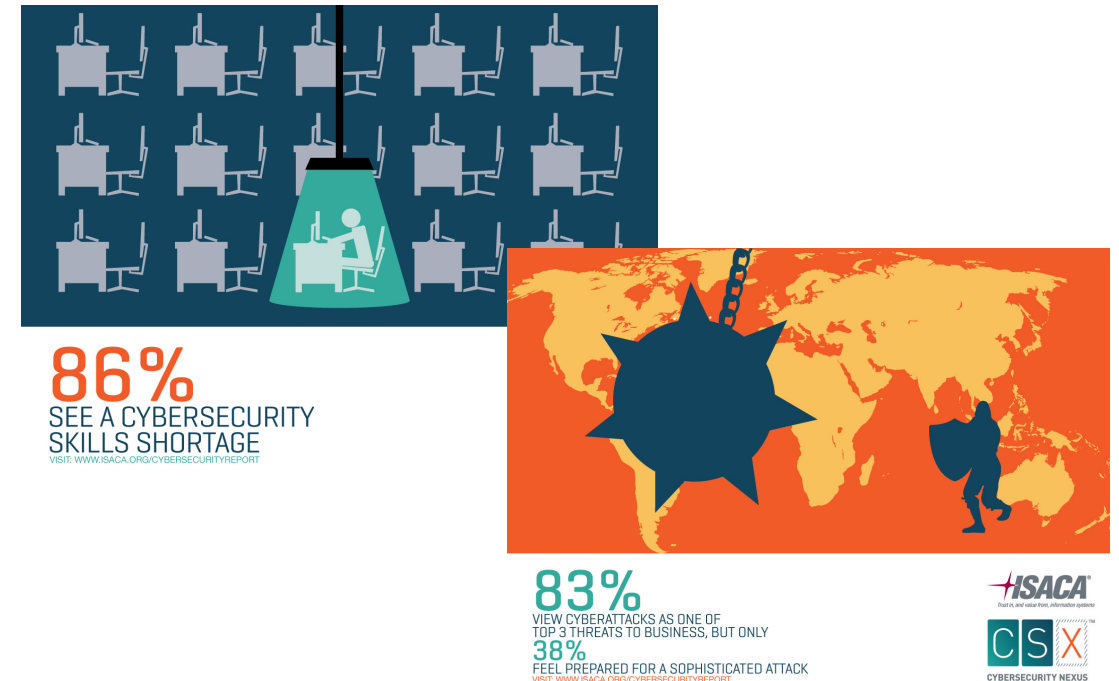
OTHER ISACA RESEARCH

- **Audit programs**
  - COBIT 5 audit programs, PII, BYOD, software assurance, identify management, biometrics and many other topics
- **White papers**
  - Topics such as Internet of Things, DevOps, cloud adoption and ROI, business continuity management, VDI, incident management, APTs, big data
- **Books**
  - Cybersecurity, IT contol objectives for Sarbanes-Oxley, cloud security, SOC 2, Oracle PeopleSoft
- **Surveys**
  - Cloud computing market maturity (with CSA), APT awareness
- **Model curricula**
  - For information systems audit and control and information security management

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