

# HANDLING A SECURITY INCIDENT

## Preparation

### 1. Preparing to handle incident

1.1 Incident Handler Communications & Facilities

1.2 Incident Analysis - Hardware & Software

1.3 Incident Analysis Resources

1.4 Incident Mitigation Software

### 2. Preventing incident

## Detection & Analysis

1. Attack Vectors

2. Signs of an Incident

3. Incident Analysis

4. Incident Documentation

5. Incident Prioritization

6. Incident Notification

## Containment, Eradication & Recovery

1. Containment

2. Evidence Gathering and Handling

3. Identifying the Attacking Hosts

4. Eradication & Recovery

## Post-Incident Activity

1. Lessons learnt

2. Using Collected Incident Data

3. Audit

4. Evidence Retention

# Draft Computer Security Incident Handling Guide

**S Nieto**



## **Draft Computer Security Incident Handling Guide:**

*Computer Security Incident Handling Guide (draft)* :. ,2012      **Computer security incident handling guide (draft)** ,2012      **Information Security in the Federal Government** United States. Congress. House. Committee on Government Reform. Subcommittee on Technology, Information Policy, Intergovernmental Relations, and the Census,2004      *Disaster Management: Enabling Resilience* Anthony Masys,2014-11-03 The present work will discuss relevant theoretical frameworks and applications pertaining to enabling resilience within the risk crisis and disaster management domain The contributions to this book focus on resilience thinking along 4 broad themes Urban Domain Cyber Domain Organizational Social domain and Socio ecological domain This book would serve as a valuable reference for courses on risk crisis and disaster management international development social innovation and resilience This will be of particular interest to those working in the risk crisis and disaster management domain as it will provide valuable insights into enabling resilience This book will be well positioned to inform disaster management professionals policy makers and academics on strategies and perspectives regarding disaster resilience      *You've got mail, but is is secure?* United States. Congress. House. Committee on Government Reform,2004

**The National Archives' Ability to Safeguard the Nation's Electronic Records** United States. Congress. House. Committee on Oversight and Government Reform. Subcommittee on Information Policy, Census, and National Archives,2010

**Information Security** Gregory C. Wilshusen (au),2005-11 Fed agencies are facing a set of cybersecurity threats that are the result of increasingly sophisticated methods of attack the fed agencies perceptions of risk governmentwide challenges to protecting fed systems from these threats Illus      **Information security emerging cybersecurity issues threaten**

**federal information systems : report to congressional requesters.** ,2005      *Computer Security Incident Handling Guide* Paul Cichonski,Tom Mllar,Tim Grance,Karen Scarfone,U. S. Department U.S. Department of Commerce,2012-08-31 Computer security incident response has become an important component of information technology IT programs Because performing incident response effectively is a complex undertaking establishing a successful incident response capability requires substantial planning and resources This publication assists organizations in establishing computer security incident response capabilities and handling incidents efficiently and effectively This publication provides guidelines for incident handling particularly for analyzing incident related data and determining the appropriate response to each incident The guidelines can be followed independently of particular hardware platforms operating systems protocols or applications

**NIST Special Publication 800-61 Revision 1 Computer Security Incident Handling Guide** Nist,2012-02-22 NIST Special Publication 800 61 Revision 1 Computer Security Incident Handling Guide is a set of recommendations of The National Institute of Standards and Technology for the preparation of incident response This publication seeks to assist organizations in mitigating the risks from computer security incidents by providing practical guidelines on responding to incidents effectively and efficiently It includes guidelines on establishing an effective incident response program but the

primary focus of the document is detecting analyzing prioritizing and handling incidents Agencies are encouraged to tailor the recommended guidelines and solutions to meet their specific security and mission requirements Topics covered include Organization of computer security incident capability How to handle computer security incidents Handling denial of service incidents Handling malicious code incidents Handling unauthorized access incidents Handling inappropriate usage incidents Handling multiple component incident Audience This document has been created for computer security incident response teams CSIRTs system and network administrators security staff technical support staff chief information officers CIOs computer security program managers and others who are responsible for preparing for or responding to security incidents Disclaimer This hardcopy is not published by National Institute of Standards and Technology NIST the US Government or US Department of Commerce The publication of this document should not in any way imply any relationship or affiliation to the above named organizations and Government

*The CSSLP Prep Guide* Ronald L. Krutz, Alexander J. Fry, 2009-08-24 The first test prep guide for the new ISC2 Certified Secure Software Lifecycle Professional exam The CSSLP Certified Secure Software Lifecycle Professional is a new certification that incorporates government standards and best practices for secure software development It emphasizes the application of secure software methodologies during the software development cycle If you re an IT professional security professional software developer project manager software assurance tester executive manager or employee of a government agency in a related field your career may benefit from this certification Written by experts in computer systems and security The CSSLP Prep Guide thoroughly covers all aspects of the CSSLP certification exam with hundreds of sample test questions and answers available on the accompanying CD The Certified Secure Software Lifecycle Professional CSSLP is an international certification incorporating new government commercial and university derived secure software development methods it is a natural complement to the CISSP credential The study guide covers the seven domains of the CSSLP Common Body of Knowledge CBK namely Secure Software Concepts Secure Software Requirements Secure Software Design and Secure Software Implementation Coding and Testing Secure Software Testing Software Acceptance and Software Deployment Operations Maintenance and Disposal Provides in depth exploration and explanation of the seven CSSLP domains Includes a CD with hundreds of practice exam questions and answers The CSSLP Prep Guide prepares you for the certification exam and career advancement

Cybercrime & Security Alan E. Brill, Fletcher N. Baldwin, Robert John Munro, 1998 Provides detailed coverage of a range of issues including encryption government surveillance privacy enhancing technologies online money laundering and pornography attacks on commerce crimes facilitated by information technology terrorism and obstacles to global cooperation

*Computer Security Incident Handling Guide* Karen Ann Kent, 2008

**Computer Security Incident Handling Guide** Tim Grance, 2004

**Computer Security Incident Handling Guide** National Institute of Standards and Technology (COR), nist, 2013-12-17

Computer security incident response has become an important component of information technology IT programs

Security-related threats have become not only more numerous and diverse but also more damaging and disruptive. An incident response capability is necessary for rapidly detecting incidents, minimizing loss and destruction, mitigating the weaknesses that were exploited, and restoring computing services. This publication assists organizations in establishing computer security incident response capabilities and handling incidents efficiently and effectively. Topics covered include organizing a computer security incident response capability, handling incidents from initial preparation through the post-incident lessons learned phase, and handling specific types of incidents.

**Energy Research Abstracts**, 1995. Semiannual with semiannual and annual indexes. References to all scientific and technical literature coming from DOE, its laboratories, energy centers, and contractors. Includes all works deriving from DOE, other related government-sponsored information, and foreign nonnuclear information. Arranged under 39 categories, e.g., Biomedical sciences, basic studies, Biomedical sciences, applied studies, Health and safety, and Fusion energy. Entry gives bibliographical information and abstract. Corporate author, subject, report number, indexes.

**Computer Security Incident Handling Guide**, 2008. Computer security incident response has become an important component of information technology (IT) programs. Security-related threats have become not only more numerous and diverse but also more damaging and disruptive. An incident response capability is necessary for rapidly detecting incidents, minimizing loss and destruction, mitigating the weaknesses that were exploited, and restoring computing services. This publication assists organizations in establishing computer security incident response capabilities and handling incidents efficiently and effectively. Topics covered include organizing a computer security incident response capability, handling incidents from initial preparation through the post-incident lessons learned phase, and handling specific types of incidents.

*Computer Security Incident Handling Guide*, 2013.

**Computer Security Incident Handling Guide**, Karen Ann Kent, 2008.

**Security Metrics, A Beginner's Guide**, Caroline Wong, 2011-10-20. Security Smarts for the Self-Guided IT Professional. An extraordinarily thorough and sophisticated explanation of why you need to measure the effectiveness of your security program and how to do it. A must-have for any quality security program.

Dave Cullinane, CISSP, CISO, VP Global Fraud Risk Security, eBay. Learn how to communicate the value of an information security program, enable investment planning, and decision-making, and drive necessary change to improve the security of your organization.

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contexts Your Plan Customizable checklists you can use on the job now Into Action Tips on how why and when to apply new skills and techniques at work Caroline Wong CISSP was formerly the Chief of Staff for the Global Information Security Team at eBay where she built the security metrics program from the ground up She has been a featured speaker at RSA ITWeb Summit Metricon the Executive Women s Forum ISC2 and the Information Security Forum

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