

Nicholas A. Lewis, CISSP

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Education

Master of Science in Information Assurance. June 2005. Norwich University.

Areas of Study: Effective application of information security best practices, application of information assurance to business operations, in-depth study of management and security issues.

Master of Arts Telecommunications, May 2002. Michigan State University.

Areas of Study: Telecommunications Technologies, Law and Policy, Web Surveys, Collaboration Systems, Economics, Ecommerce, and research methods.

Bachelor of Arts Telecommunications, Aug 2000. Michigan State University

Professional Experience

May 2009 –
Present

University Security Analyst

University of Michigan, Ann Arbor, MI

- Program Manager for Risk Management Program. Responsible for operations and advancement of the Risk Management program across the university and supporting staff throughout the university performing risk assessments. Helps units decide on effective ways to minimize their risk by implementing reasonable security controls.
- Program Manager for technical PCI Compliance. Responsible for technical PCI Compliance program across the university working in conjunction with Treasurer's Office. Advised units on how to most effectively and securely satisfy PCI Compliance.

Oct 2007 –
May 2009

Information Security Manager

Children's Hospital Boston, Boston, MA

- Responsible for the management of information security including managing the security team.
- Presented to staff and upper management on information security topics to increase awareness and engaged upper management in information security issues
- Technical architect, project lead, internal security consultant, and technical resource
- Led projects deploying new 2 factor authentication project, log management, full disk encryption, and integration of information security into community electronic health records
- Worked with information security stakeholders (IT Audit, Compliance, HR, Legal, and others) to ensure compliance with necessary laws and regulations and support their needs relating to compliance and investigations.

Sept 2005 –
Oct 2007

Information Security Analyst

Children's Hospital Boston, Boston, MA

- Led workstation security project to evaluate the current state of workstation security and to recommend improvements to better protect the environment, network, and data.
- Provided internal security consulting for product development and operations of services across organization. Work with internal groups on necessary security for their projects to help them achieve their goals while maintaining necessary security.
- Investigated, documented, and gathered information on data security recommendations to protect sensitive institutional data including HIPAA and PCI DSS protected data.
- Led intrusion detection, vulnerability management, and PKI and participated in auditing, incident response, and identity management projects
- Provided 24/7/365 systems support as necessary to support the diverse needs of the organization.

Aug 2006 –
June 2007

Security Consultant

Internet2, Ann Arbor, MI

- Reviewed technical security documentation to recommend improvements and update documents
- Recommend necessary information security best practices that would be appropriate for the operations of InCommon Federation and supporting PKI.

July 2002-
Sept 2005

Systems Administrator

Internet2, Ann Arbor, MI

- Lead contributor in the move from research to production for a Federation designed to create a common framework for trust using PKI in support of research and education. Including design, evaluation, implementation, maintenance, operation, and documentation of a Certification Authority and all related components.
- Led internal security initiatives relating to network access control, wireless security, vulnerability scanning, intrusion detection, risk assessments, incident response, and identity management project for reduced sign-on to improve security and usability
- Internal security consultant for product development and operations of services provided.
- Led and managed a Customer Relationship Management system supporting operations to communicate with membership.
- Identified problems, requirements, resolutions, and implemented where necessary technologies such as personal firewalls, file encryption, document signing, S/MIME, certificated based authentication, hardware tokens, and patch management.
- Documented processes, procedures, policies, configurations, and other reporting for projects and services to help ensure a highly reliable and easily maintainable environment.
- Provided 24/7/365 systems support as necessary to support the diverse needs of the organization.

**May 1999-
July 2002**

Information Technologist II

Dept. of Engineering Computing Services (DECS), Michigan State University, East Lansing, MI

- Supervised between 6 and 9 part-time employees for operations of the Helpdesk including scheduling, training, and problem management.
- Actively involved with the security of network and systems supporting the operations of the infrastructure used throughout the College.
- Performed multi-platform security support and services including evaluation of security tools, risk assessment, incident response, security policy and procedures and privacy policies
- Led project Exchange upgrade and consolidation for multiple Exchange servers from 5.0 and 5.5 to 2000, Windows 2000 and Active Directory upgrades, and other related projects.
- Managed Exchange servers, file services, and other domain wide services.
- Provided 24/7/365 systems support as necessary to support the diverse needs of the organization.

**Teaching
Experience**

Adjunct Faculty, Computer Information Science

Lebanon College, Lebanon, NH

Taught Introduction to Linux (CIS239) – Winter and Summer terms, 2006.

- Developed all course content, labs, lectures, and quizzes.
- Lectured, supervised labs, and graded all assignments.

**Technical
Skills**

Security: PKI, identity management, incident response, data security, vulnerability testing and management, network traffic analysis, host and network-based security, firewalls, intrusion detection, penetration testing, wireless security, forensics, back-ups, encryption, disaster recovery, multi-factor authentication, and log management.

Windows: Active Directory, File and print, WINS, IIS, Terminal Services, Group Policy, Patch Management, Exchange, MS SQL, SMS, Sysprep/Ghost.

Linux: SMTP, HTTP/S, FTP, SSH/SFTP, DNS, DHCP, Samba.

Systems: Windows 9x, NT 4.0/2000/XP/2003, LINUX, Solaris, MacOS, Cisco and HP networking

Misc: TCP/IP, various utilities and debuggers, and network analysis software

Scripting and Programming: PHP, SQL, HTML, and various shell scripting languages.

Certifications

Certified Information System Security Professional (CISSP), 2005

Microsoft Certified Professional – Windows XP, Windows 2003 Server, and Windows 2003 Network Infrastructure, 2005-2006; Windows NT Server, Workstation and Networking, 1998.

SANS GIAC Certified Windows Security Administrator (GCWN), 2006

**Professional
Affiliations**

Association for Computing Machinery – Professional Member, 1996—present

IEEE Computer Society, 1997—present

Infragard – Boston chapter, 2006 - 2009

Nicholas Lewis

Professional Educause Effective Practices Work Group member 2007-2009

Activities Program Committee for Educause/Internet2 Security Professional Conf – 2006-2008.
Reviewer for Norwich University Journal of Information Assurance – 2005, 2007

Publications/ Lewis, Nicholas. (2007) Fighting Spyware on the Network. Secure World Boston, March 2007.

Presentations Lewis, Nicholas. (2007) Data Security in an Enterprise. NERCOMP Annual Conference. March 2007.

Lewis, Nicholas. (2009) Maintaining Privacy, Security, and Accountability in DW/BI Implementations. Invited Panel for The Data Warehouse Institute. January 2009.

Lewis, Nicholas. (2009-Current) Information Security Threats TechTip. Monthly Column for TechTarget.

Lewis, Nicholas. (2009-Current) Information Security Threats Ask The Expert. Monthly Column for TechTarget.