

Mark S. Kadrich, Executive Security Consultant

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Areas of Expertise

*Security Program
Development*

Enterprise Architecture

*Management of Strategic
Initiatives*

Cloud Security

Software Assurance

*Security Research &
Analysis*

*Risk Analysis of
Enterprise Software,
Software as a Service &
Data Centers*

*Application & Platform
Security Controls*

*Business analysis and
solution architecture*

*IT infrastructure analysis
and design*

*Leadership and Team
Building*

*Negotiation &
Facilitation*

For the past 25 years, Mark Kadrich has worked in the security community, building knowledge, and contributing solutions. His strengths are in architecture level design, solution design, policy generation, endpoint security, and risk management. Mr Kadrich holds degrees in Management Information Systems, Computer Engineering and Electrical Engineering. He was a contributing author in publications such as TCP Unleashed, ISSA Journal, Publish Magazine, Planet IT, RSA, CSI, SANS and The Black Hat Briefings. Mark Kadrich is a well-known speaker and evangelist on network security matters at technical conferences and security events.

Most recently, Mr. Kadrich has been working with his colleagues at Emagined Security filling a position as a Security Technical Lead on a world-class cryptographic services gateway project. His role is to ensure that the technical architecture is integrated with the host customer's enterprise services. The solution provides cryptographic services (HSM based code signing, encryption, decryption, and signature verification) services to development, staging, and production engineering environments in a fault tolerant manner across 3 continents. Additionally, he was responsible for crafting new policy and procedures regarding installation, use, testing, and compliance for the entire customer's cryptographic solution.

Mr. Kadrich was responsible for crafting a security architecture that would integrate mobile, SOA, cloud, enterprise, and other emerging technology into a solution that meets the multiple requirements imposed by business objectives, health care industry regulatory compliance and member satisfaction for a major health care organization.

Key accomplishments

- Author of the book "Endpoint Security" (Addison Wesley)
- Served as CEO, CSO, CTO, and Director of Security
- Created an advanced security architecture for a healthcare organization that will allow for integration of biomedical devices and mobile devices securely and in compliance with federal and state regulatory controls.
- Developed a SOA security architecture presently being implemented within a large healthcare organization.
- Served as president and CEO of TSC, a security testing company focused on software assurance goals. TSC performed in-depth testing and evaluation of security products and the vendors that provided them.
- Developed guidelines and security framework for mobile device software development and vendor management.
- Developed and fielded a lightweight software assurance program and presented the results testing and evaluation of the program at NIST 2009

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Technical Expertise

Operating Systems

*Windows (all versions),
Linux, UNIX, Macintosh*

Hardware

*Crypto Engines, Wintel,
Apple, Mobile*

Software

*Data Protection / Data
Loss Prevention / Control
Compliance*

*Wireshark, various other
tools as needed*

Technical Specialties

*Secure Architecture
Design and Development*

*Vulnerability
Assessments and
Remediation Guidance*

Penetration Testing

Problem Solving

*Process Analysis and
Improvement*

*Project and Program
Management*

Author and Presenter

Incident Response

*Network & Physical
Security Protection*

- Joined Sygate Technologies as Senior Scientist after developing security technology that was later incorporated into Sygate products after Sygate purchased Kadrach's start up company. (Later Symantec)
- Served as President of Silicon Valley Chapter of the ISSA and chapter treasurer. Presently the chapter Director at Large.
- Developed an architecture for a secure Health Information Exchange that is presently being used by multiple healthcare organizations and the US government.
 - Connect various health care organizations with US Veterans Affairs medical facilities.
 - Connect and manage health care records between Kaiser regions.
- Architected a rapid sign-in project for a major healthcare provider. Project objectives were:
 - Reduce login related activity from 40 minutes per 8 hour shift to 20 minutes.
 - Reclaim estimated \$1M per month in non-healthcare related activity such as error remediation, manual compliance, and administrative activity.
- Architected a secure solution for enabling electronic prescribing for controlled substances.
 - Federal mandate created requirement for high-security solution deprecating previously implemented system and forcing Kaiser back to a manual (FAX) based system.
 - New solution has an estimated cost savings of \$15M annually.
 - Solution required the integration of electronic medical record system, pharmacy system, and cryptographic tools in order to meet federal requirements.
- Rearchitect security standards and governance structure and process at Kaiser.
 - Design structure to reflect current administrative processes and technology
 - Estimated costs savings based on procurement of established standards
- Mr Kadrach has worked with numerous hardware platforms, has designed and built microcomputer based control systems, designed hardware at the board level, developed software in numerous languages and while at TSC, tested numerous crypto engines.