

# *IT Security Services*

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## *At a glance*

In a globally connected world, technology brings new opportunities to collaborate and conduct business like never before. However, this increased connectivity can also leave organizations vulnerable to a host of new and unique threats. Federal agencies in particular must secure critical infrastructure, comply with regulations, and both protect and share sensitive information. With no room for system error, agencies require absolute certainty regarding the confidentiality, integrity, and availability of their information. PwC has the experience to meet the information-security needs of the federal government.



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## IT Security Services

PwC has a dedicated federal data security practice. Our security specialists have performed services for some of the highest profile and sensitive networks in the world. In addition to technical security skills, PwC also delivers the management tools and techniques necessary to ensure security program success. Our integrated, cross-competency approach strategically aligns the agency's security program with the overall mission and objectives of the agency.

- PwC delivers IT security services to over a dozen major federal civilian and defense agencies, as well as large, multinational organizations, including 78% of the Fortune 500
- In partnership with CIO Magazine, PwC conducts an annual "Global State of Information Security" survey, which interviews individuals in over 50 countries and focuses on trends in eight industry groups
- PwC has a national network of state-of-the-art laboratories for IT security testing, research, and data management technologies, including an IPv6-capable location in our Washington Metro office

### Information Risk Management

- Information risk security strategy
- Business process risk mapping
- Third-party risk assessment and planning
- Security PMO
- Security organizational design

### Regulatory and Policy Compliance

- Audit-readiness assessments
- Policy and standards development
- Certification and accreditation process
- Federal Information Security Management Act (FISMA) compliance and governance
- IPv6 planning and compliance
- Audit assessments
- Configuration management

### Operational Security

- Incident response
- Computer forensics
- Response team coordination
- Policy and procedure development
- Response plan testing
- Continuity of operations planning and assessment

### Threat and Vulnerability Management

- Event management
- Internal and external penetration testing
- Social engineering

### Information Protection Architecture

- Product selection
- Security reference architecture
- IT asset management
- Architectural governance design
- Security data architecture

### Privacy and Data Protection

- Privacy audits and risk assessments
- Compliance and monitoring services
- Privacy office design and implementation
- Data loss prevention

### Awareness and Education

- Security awareness program
- Security concepts training
- Communications program
- Situational awareness

### Identity Management

- Identity management strategy
- User-management process design
- Single sign-on design and implementation
- Public-key infrastructure (PKI) assessment
- Homeland Security Presidential Directive 12 (HSPD-12)

## Selected Experience

**Defense Finance and Accounting Service (DFAS):** Advocated for a System Manager throughout all phases of the DIACAP. This comprised producing all documentation required by DoD Instruction 8500.2 for a sensitive/MAC III system (e.g., a system security plan and IT contingency plan with a Business Impact Analysis).

**Transportation Security Administration (TSA):** Performed internal and external penetration testing and social engineering to identify vulnerabilities in major TSA systems. Effectively communicated findings, developed, and prioritized actionable recommendations to remedy deficiencies.

**Department of Homeland Security (DHS):** Performed a continuity of operations assessment and analysis of essential communications for all federal executive branch agencies through the DHS' National Communications System. Performed entity-wide data security controls management and testing for the U.S. Coast Guard.

**Department of Homeland Security:** Supported the Headquarters Office as the Program Management Office team for HSPD-12 policy compliance efforts.

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