

WELCOME

The Computer Security Division (CSD), a component of NIST's Information Technology Laboratory (ITL), provides standards and technology to protect information systems against threats to the confidentiality, integrity, and availability of information and services. CSD carries out a diverse research agenda and participated in many national priority initiatives, leading to the development and implementation of high-quality, cost-effective security and privacy mechanisms that improved information security across the federal government and throughout the national and international information security community.

CSD continued to develop standards, metrics, tests, and validation programs to promote, measure, and validate the security in information systems and services. Recognizing the potential benefits of more automation in technical security operations, CSD hosted the Information Security Automation Program (ISAP), which formalizes and advances efforts to enable the automation and standardization of technical security operations, including automated vulnerability management and policy compliance evaluations. CSD also continued to work closely with federal agencies to improve their understanding and implementation of the Federal Information Security Management Act (FISMA) to protect their information and information systems. CSD supported a major intelligence community and national security community initiative to build a unified framework for information security across the federal government.

As technology advances and security requirements evolve, CSD critically evaluates existing standards, guidelines, and technologies to ensure that they adequately reflect the current state of the art. CSD continues to explore opportunities to apply its security research to national priorities and internal NIST initiatives.