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Center for Information Systems Security Studies and Research (CISRS) Faculty and Researcher Publications

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MYSEA: Monterey Security Architecture (quad)

Naval Postgraduate School (U.S.)

<http://hdl.handle.net/10945/35394>



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MYSEA: Monterey Security Architecture



MLS Supports: ISR, Networks, COP, & CTP

- Manage Classified/Unclassified Data
- MLS & Coalition Interoperability
 - NATO; Homeland; Intelligence
- Connection to MSL networks
- User-Friendly
- Protection from Information Leakage & Corruption
- Assurance against Subversion and Malicious Software

Enabling Technologies

- Integrity for Trusted Applications
 - Trustworthy XML-based Document Management
 - Confidence for Guards, Sanitizers & Regraders
- Advanced Protocols: IPv6 and IPv4 compatible

Advanced Multilevel Security Prototypes & Technologies

- Multilevel Secure (MLS) Client/Server Architecture
- High Assurance of National Policy Enforcement (EAL5/7)
- Ergonomic Security with Popular Commercial Applications
- High Assurance Authentication of Clients and Users
- Trusted Application Integrity Framework Cerebral.

Component

- High Assurance MLS Server
 - Distributed Authentication and Session Services
 - Application Services: HTTP, SMTP, NFS, etc.
- Trusted Path Extension Appliance Prototype
 - Ultimate Base: High Assurance Separation Kernel
- Commercial Workstations and Applications

Center for INFOSEC Studies and Research Team

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Core members with Deep Commercial MLS Experience

Current and Potential Partners

- DigitalNet: High Assurance System Vendor
- Edge Technologies: Web enablement and aggregation technology
- OSD: Cross Domain Security Working Group
- Protection Profile: National Security Agency
- Navy Partners

More Information

<http://cisr.nps.navy.mil/projectmysea.html>