



"SDSC Center of Excellence"

CUI MANAGED SERVICES

The Requirement

- Controlled Unclassified Information (CUI) is non-classified information that is shared by the federal government with a nonfederal entity. CUI requires security protection when processed, stored, transmitted and used in nonfederal information systems. The requirements to protect CUI are outlined in NIST 800-171.
- NIST 800-171 requirements are based on NIST 800-53 Moderate baseline.

Examples of CUI in Academia

- Student Records/PII
- Export control research data
- Critical infrastructure information
- Controlled technical information

The Solution

Sherlock Cloud - A multi-tenant, scalable, managed, private Cloud platform built according to NIST 800-53 requirements to comprehensively address the CUI requirements.

Examples of Sherlock Cloud controls that apply to CUI

- System maintenance (timely patch/fix redemption); example: 5 calendar days for critical rated vulnerabilities
- Central log collection and review of system logs
- Intrusion Detection Systems (IDS) monitoring, analysis and reporting
- Strong authentication using two factor, one-time tokens
- Protection of data-at-rest through encryption (FIPS 140-2)
- Hardened system configurations (STIG and CIS)
- Use of jump-boxes to isolate systems, limit system exposure
- Encrypted tunnels for data-in-transit outside of private network (SSH, RDP, SSL)
- Web proxies and filters to limit web access
- Host-based firewalls
- Malicious software protection (Anti-Virus/Anti-Malware)