

# Zero Trust Data Protection with Sentris®

## Empowering Your Zero Trust Journey

In today's security landscape, data is your most valuable asset. The Department of Defense (DoD) Zero Trust Reference Architecture (ZTA) emphasizes a data-first approach, making the Data Pillar a cornerstone of comprehensive security. Sentris is a MANTECH-developed, Microsoft Windows-based platform built to implement attribute-based security classification services within high-security network environments. It drives compliance across the DoD Zero Trust Data Pillar, providing the precise control and extensibility required to safeguard critical mission data. Because of how Sentris evaluates trust and enforces policy, it inherently crosses over into other ZTA pillars - including User, Network & Environment, and Automation & Orchestration - to deliver a cohesive Zero Trust enforcement mechanism.

### Why Enterprises Choose Sentris

Integrating directly with your existing Windows infrastructure, Sentris is a highly configurable platform designed to support marking and access governance for classified environments. It is engineered for organizations looking to:

- Implement advanced data protection policies.
- Securely manage sensitive information across disparate applications.
- Confidently meet the demands of high-security, compliance-driven environments.

CAPABILITY	ENFORCEMENT ROLE	SENTRIS ALIGNMENT
<b>4.1 Data Catalog &amp; Risk Assessment</b>	Supporting	Governs application behavior via customizable rule sets upon data discovery.
<b>4.2 Data Governance</b>	Supporting	Operationalizes enterprise data governance models via the Sentris Administration Tool to apply and enforce security policies and marking rules.
<b>4.3 Data Labeling &amp; Tagging</b>	Native Capability	Provides easy-to-use tools to label, tag, and protect data natively across everyday applications, including Windows, Microsoft Office, SharePoint, Exchange, File Shares, Outlook, and PDFs. Extends tagging to virtually any filetype to ensure consistent data classification across the enterprise.
<b>4.4 Data Monitoring &amp; Sensing</b>	Supporting	Logs all user interactions with sensitive files — including classification updates, access requests, and blocked actions — to build a rich audit trail for 3rd-party analysis.
<b>4.5 Data Encryption &amp; Rights Mgmt</b>	Native & Supporting	Provides centralized security authorizations across all Sentris versions based on data tags. Sentris v5 provides native encryption (256-bit AES-CBC); Sentris v4 delivers classification to drive external encryption.
<b>4.6 Data Loss Prevention (DLP)</b>	Supporting	Serves as a policy/attribute source for boundary access control, providing native API documentation that enables organizations to export Sentris attributes into 3rd party DLP solutions.
<b>4.7 Data Access Control</b>	Native Capability	Enforces dynamic access control on the fly via Attribute-Based Access Control (ABAC), continuously evaluating <i>who</i> is accessing it, <i>where</i> they are, and the <i>system</i> used.

## Cross-Pillar Enforcement (ZTA Pillars 1, 5, & 6)

Sentris eliminates standalone data silos by synthesizing user identities, device location, and network accreditation into unified access choices:

- **User (Pillar 1) and Network & Environment (Pillar 5):** Evaluates three strict trust criteria before granting access to sensitive information:
  - **Who** is accessing the data (User Accesses, aligning with the User Pillar).
  - **Where** the access is occurring from (Facility Accreditation, aligning with the Network & Environment Pillar).
  - **What** system is being used (Network Accreditation, aligning with the Network & Environment Pillar).
- **Automation & Orchestration (Pillar 6):** Operates as an automated governance framework across the Control and Data planes. Its architecture functions specifically as a Policy Engine, Policy Administrator, and Policy Enforcement Point, mapping conceptually to Capability 6.1 (Policy Decision Point & Policy Orchestration) by centralizing access control mediation.

## Secure Your Mission. Protect Your Data.

Ready to strengthen your security posture? Contact our team today to schedule your demo and advance your path to Zero Trust compliance!



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