

EMC Documentum Security for Government

Secure enterprise content management for government agencies

The Big Picture For today's IT managers in state and federal government, few issues are more compelling than privacy and data security. The U.S. E-Government Act of 2002 requires federal agencies to conduct a Privacy Impact Assessment for their public-facing IT systems, and the U.S. Federal Information Security Management Act (FISMA), among other mandates, requires federal agencies to integrate IT security into their enterprise architecture. State agencies are following the federal lead. Whether the information is paper-based or electronic, whether it stays within an agency or is shared, whether it's in daily use or archived—government content requires seamless end-to-end security.

EMC Documentum security at a glance

The EMC Documentum[®] security model, developed to support security-aware customers in the public sector and other industries, distinguishes itself in a number of areas including:

- Common Criteria certification including National Information Assurance Partnership (NIAP) accreditation at Evaluation Assurance Level 2 (EAL2)
- Support for collaborative, inter-agency sharing and workflow by managing hierarchical and nonhierarchical information classifications
- A single, secure repository for managing access controls along with “no exception” access rules throughout the entire organization
- Enforcement of end-to-end security using digital rights management tools and digital shredding
- Greatly simplified administration that reduces cost and overall risk
- Seamless fit into an existing security infrastructure integrating with single sign-on, identity management, and other security solutions.

The most secure government agencies rely on EMC Documentum

The EMC Documentum enterprise content management platform is the only off-the-shelf system that meets the National Information Assurance Partnership (NIAP) accreditation at Evaluation Assurance Level 2 (EAL2). The EAL2 security standard is stipulated by the U.S. National Security Agency. EMC delivers the first EAL2-accredited secure solution for managing your agency's critical content from logistics support to intelligence activities.

Ironclad security for an uncertain world

Documentum secure content management solutions ensure your organization's electronic content remains secure across business processes, as it travels between and within organizations, and throughout its lifecycle from creation through archiving. With the Documentum platform, administrators can implement and enforce organization-wide policies that cannot be overridden by unauthorized individuals. The Documentum enterprise content management platform also supports federated management of access controls; distribution of content beyond the repository in a secure, authorized fashion; and safe disposal of content using digital shredding.

State-of-the-art features for maximum assurance

The EMC Documentum platform provides an unmatched set of comprehensive, extensible, and easy-to-use security services for every agency's content, including:

- **Authentication, authorization, and auditing:** The core Documentum platform provides robust security for authentication, authorization, and auditing. These features are built into a flexible authentication framework that not only supports ID-password challenge but also enables plug-ins for advanced authentication such as biometrics, tokens, or X.509 certificates. The Documentum platform provides highly granular access control (authorization) at the object level with a broader range of access levels than other products. Finally, Documentum can audit every possible event and expose it for secure review.
- **Single sign-on:** The Documentum security system fully participates in single sign-on (SSO) initiatives across organizations and supports industry-leading SSO solutions such as Netegrity SiteMinder and RSA Sign-On Manager.
- **Encrypted communications:** The Documentum platform securely transmits content between servers and clients including EMC Documentum Desktop and Webtop. Employing strong data traffic encryption based on SSL, the EMC Documentum platform prevents "eavesdropping" security breaches and gives system architects more flexibility in designing systems with components that function both within and outside the firewall.
- **Digital rights management (DRM):** The Documentum security model continues to protect documents even after they are retrieved from the repository and shared. The EMC Documentum platform integrates with leading DRM solutions on the market to maintain complete control over access to information outside the Documentum repository.

In addition to the core security features in the Documentum platform, Documentum Trusted Content Services (TCS) adds a specialized layer of security measures and access control features:

- **Mandatory access control (MAC):** This unique, sophisticated access control compares document sensitivity with user (or application) clearance, which makes Documentum TCS the only currently available content management platform that enables secure inter-agency collaboration.
- **Repository encryption:** Prevents intruders from reading content, even if they obtain unauthorized access to repository files at the file-system or storage level. This capability protects content against an operating system security breach and enables administrators to securely store and dispose of back-up media containing content assets in encrypted form.
- **Electronic signatures:** Associates electronic signatures with any piece of content or event such as workflow tasks or lifecycle changes. The signature is stored as an audit object in the Documentum repository and contains a justification that users provide, with their names, passwords, and time stamps.
- **Digital shredding:** The Documentum platform provides a secure way to dispose of content through digital shredding. This technology ensures that information cannot be retrieved even by employing forensic methods that analyze residual magnetism on the storage disks.

Take the next step

To learn more about EMC Documentum secure content solutions, visit Documentum online at www.EMC.com/documentum or call **800.607.9546** (outside the U.S.: +1.925.600.6754).



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