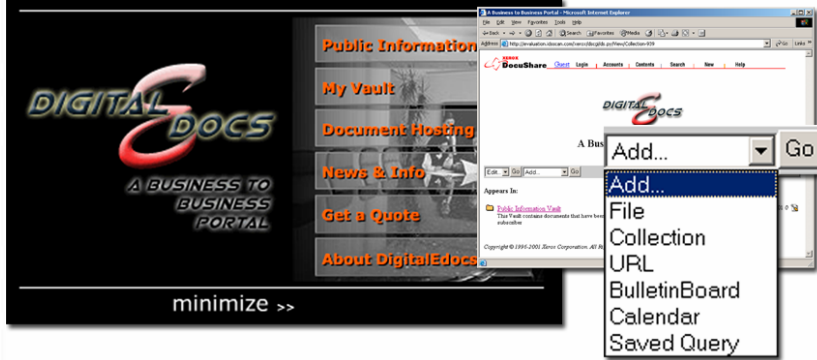




IDS SERVICES

DigitalEdocs™

A Business to Business Portal



Maximum Security document and exchange services online hosting portal

About DigitalEdocs™

DigitalEdocs™ document hosting and exchange services portal has been designed to provide maximum protection and security for our customers and their knowledge objects. Hosting facilities are located in a rural area with limited visibility and access. The facility has been secured for U.S. Government client document management work and has limited access. Employees of the facility have undergone varying degrees of clearance and background checks prior to employment. Equipment and storage resources have been designed to provide access assurance and safe storage of the objects placed in the portal. Scheduled and routine back-ups and offsite storage of the system through use of RAID and DLT Tape support services ensures our success in this area. Systems engineering personnel are on call 24/7 and within twenty minute response time to facility. A T-1 connection directly to a major local Internet Access Provider POP3 insures the site will be up 24/7 with very little possibility of interference from outside sources. The following Software/ Hardware/Services identify the new configuration for the DigitalEdocs™ facility.

DigitalEdocs™ utilizes Xerox DocuShare® web based repository software to provide its document B2B services. System security is designed to provide confidentiality, integrity, availability, and legitimate use of the DigitalEdocs™ document repository. To effectively implement such a secure system, the system must address the following items:

- Identification of the authorized users (identification and authentication).
- Specification of what users will have access to (object access controls) and what types of operations users can perform on those objects.
- Auditing to determine what types of activities have occurred (e.g., the ability to maintain accountability via auditing).
- Server security environment. Server capabilities and controls further address issues such as data and system integrity, reliability and availability, and may extend conditional access controls and provide assurance that all the above are operating properly and consistently.

Implementation of these items for the DigitalEdocs™ site is addressed in the following paragraphs (see back).

Specifications:

DigitalEdocs™ hardware is designed to provide growth and ease of storage expansion with little or no customer disruption. The following represents a typical DigitalEdocs™ server, Proxy Server and RAID storage configuration.

DigitalEdocs™ Servers

(2) Acer 21000 Quad Intel Pentium III 550 MHz Xeon Processors

Multiple 36 GB SCSI (10,000 rpm)

Drives (Cache and Redundancy)

1 GB of RAM (100 MHz ECC)

DLT Internal Tape Back-up Unit w/compression SW

APC Backup UPS w/ Software

Acer 17E 17" .28dpi NI Monitor

Cisco 2950 and 4000 Router

DigitalEdocs™ RAID Storage

Using RAID and Redundancy technology ensures the protection and availability of customer objects at all times

Acer internal RAID Unit
252 GB Storage (36GB UltraSCSI2 LC HD)

Mylex eXtreme1100 Caching RAID Controller

HP Surestore 220 Optical Jukebox with dual drives managed by Smart Storage software by OTG.

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User Identification

DigitalEdocs™ identifies users with a User Name and a Password. Restricted Registry Access to the Administrator setting provides for a high-security, high-privacy site.

Object Access Controls

DigitalEdocs provides object access controls via Access Control Lists that identify the user or group with access rights and the reader/writer/manager privileges and a private attribute for the object. These access controls are established for all Collections and their child collections and documents. Users who create objects have object access determined, by default, from the object access rights of the Collection where the object is created. Additional privacy can be implemented for each collection or document by making specific assignments or restrictions to the Access Control List for the object. DigitalEdocs manages every object access and the authorization of the ACL is always verified before users are given access to the object. Object access controls are robust in DocuShare® and users will need to understand how to set access lists to provide the desired level of security.

Auditing

Auditing as a security tool is important since it establishes user accountability and accountability fosters responsible system usage. All DigitalEdocs™ objects have an identified owner and the owner is responsible for determining access rights. The setting of access rights is not an audited system event. However, limiting manager rights to the owner will correctly assess the owner for the current access rights of a document or collection. DocuShare® is more informative regarding document versioning and maintains a history of versions. This history includes the person creating the new version and the time of creation. DigitalEdocs™ also maintains an account history and will present information showing last login.

Operating System access controls on the server will prevent unauthorized access to the server and access to the DocuShare® directories will be limited to individuals authorized to view and modify all repository content.

For enhanced system availability, DigitalEdocs™ has implemented a virus scanning mechanism to prevent virus introduction and dissemination to the repository.

Overall, DigitalEdocs™ provides the facilities to manage object access and implement repositories that have high privacy and integrity. Security requires responsible users who control and use object access policy in accordance with system objectives and who safeguard their access credentials and objects they create. Segregation of material into collections with different access rights can facilitate access rights management. Operating a high-privacy and high-integrity repository with SSL is the only way to assure that user's credentials cannot be stolen from plain text transmission on the Internet. Proper system administration is applied to eliminate security breaches on the server and to assure system availability.

Server Security

Security in any system is a combination of technology and policy. DigitalEdocs™ can provide the technology that can protect the data. DigitalEdocs™ has implemented the capacity to meet the highest level of security that is required to protect our clients. It relies on a comprehensive set of security



features that ensures only authorized users and applications can access system resources. Options are available through NT and DigitalEdocs™ for the establishment of different levels of security based on your needs. These options include:

- Discretionary access control and certificates
- Automatic account lockout if too many bad password attempts are made.
- Auditing what is being accessed, and by whom.
- Tools like the Security Configuration Editor and file encryption

Internet Firewall

All new DigitalEdocs™ Servers utilize an extensible proxy, firewall and Web cache servers that provide Internet security while improving network response time and efficiency. These products are redefining the Web caching and firewall categories by providing both capabilities in a single product. the Proxy Server delivers the three things customers demand most for their intranet/Internet: High Performance, Extensible Firewall Security, and Easy Comprehensive Management. A High performance Proxy Server introduces distributed and hierarchal caching to deliver unbeaten scalability and performance. This enables DigitalEdocs™ to make use of the product in their most demanding locations. Content caching is moving to branch offices and to the departmental level within enterprises and to DigitalEdocs™ Points of Presence (POPs). The Proxy Server delivers distributed caching using a new standards-track technology called Cache Array Routing Protocol (CARP). With CARP, the Proxy Servers provide unbeaten distributed Web caching performance and deployment flexibility. Firewall security Proxy Server acts as a gateway with firewall-class security between the DigitalEdocs™ Server network and the Internet. Added to the server are several new features to enable its use as a firewall. These features include: Dynamic Packet Filtering, Multilayered security, Alerting and Logging, Shielding of Internal Network Addresses and Internet Server Applications, Virtual Hosting (reverse proxy) Plus, The Proxy Server can be used with Windows NT® Server's Routing and Remote Access Service to provide cost-effective, secure Virtual Private Networks (VPN) VPNs. Easy comprehensive management Since Microsoft Proxy Server is integrated with Windows NT Server, DigitalEdocs™ administrators can use a single set of tools to manage the DigitalEdocs™ and Internet access.

Learn More

Visit www.digitaledocs.com today.

Visit www.idss.net or www.edgedepot.com or contact

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