

## WebFile Server

The Xythos WebFile Server is the underlying platform for all Xythos applications. Written in Java, it is a robust implementation of the Web Distributed Authoring and Versioning protocol (WebDAV) standard. WebDAV provides the capability to open and save documents from within industry standard applications such as Microsoft Office and Adobe Creative Suite; it has been incorporated into the Windows desktop since 1998 and is included in Mac OS X as well.

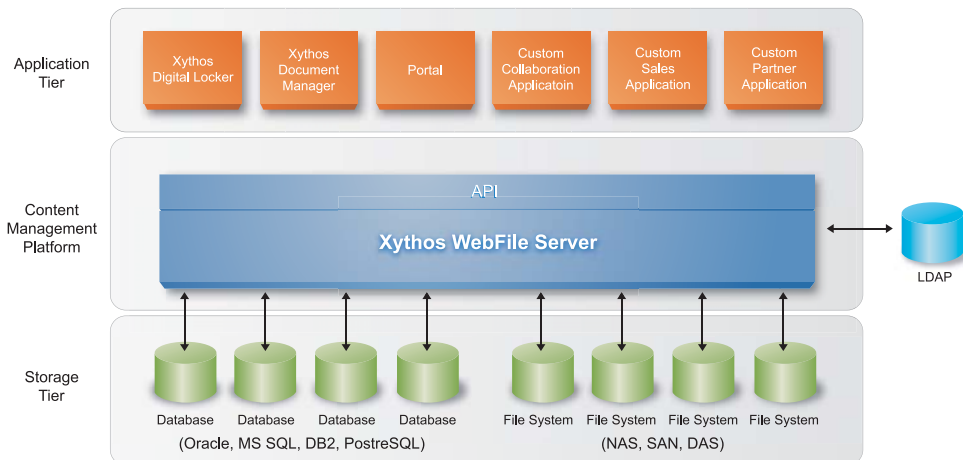
The Xythos WebFile Server is ideal for applications and projects that address the dual challenges of improving content security and simplifying how organizations access and share information. It works together with enterprise authentication security standards, including LDAP and Active Directory, providing an easy and secure way to manage user and group access rights to a Xythos system. It also supports SSL and VPN transport encryption to ensure that all point-to-point connections are protected. Used in combination with Xythos' advanced document level access control lists, the WebFile Server provides one of the most flexible yet secure content management platforms available.

*“The company’s adherence to open standards and cross-platform support, in addition to support for Linux and LDAP on the server side, are important reasons why WebFile Server has worked so successfully within our community.”*

**Eric Baenen,**  
Program Manager for Scientific  
Network Environments,  
General Dynamics

## Benefits

- Easily customize and build new applications
- Standards-based architecture integrates with various platforms
- Supports common security models
- Proven scalability and reliability



The WebFile Server architecture is based on open web-based standards



WebFile Server

*“Our task force recommended Xythos WebFile Server. Xythos was the only one that delivered the document security, file level access control, auditing and document version management that we required in a WebDAV-based system.”*

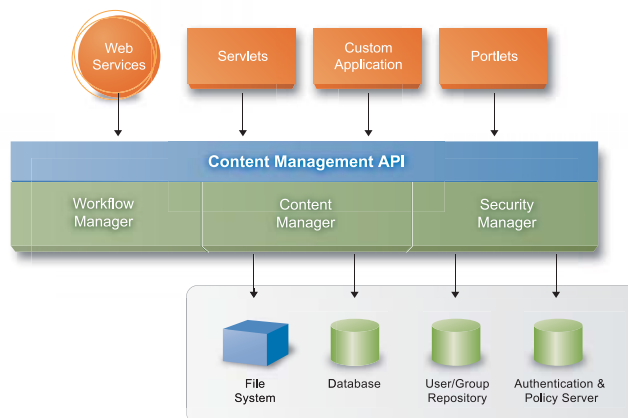
**Wayne Wilson,**  
Assistant Director  
of Technical Services,  
University of Michigan  
Medical School

## There are three main components to the Xythos WebFile Server product architecture:

- **File System:** All file content is stored directly onto a storage device using the WebFile Server's native file system. For example, the WebFile Server can store information in a Networked Attached Storage (NAS), a Storage Area Network (SAN), or in Directly Attached Storage (DAS). WebFile Server is also designed to scale its storage capacity by simply adding additional storage devices. There is no limitation to the amount of space and the number of storage devices that WebFile Server can manage; it can easily scale to store any size file and any number of files whether they are simple office documents or large image and video files.
- **Database:** Xythos uses a relational database to store all file metadata, such as versions, properties, comments and system logging information. Supported databases include: DB2, Oracle, Postgres (open source), and MS SQL. WebFile Server can also scale across multiple databases. Multiple, independent databases can be part of the same installation; there is no limitation upon the volume of files and associated metadata that can be managed by the WebFile Server.
- **Application Server:** The Xythos WebFile Server is a java servlet application that runs in any J2EE-compliant application environment. As with storage and metadata scalability, the application server does not limit the size of the system that can be implemented. Since the WebFile Server does not store state information in the application server, the system can be scaled by adding multiple, independent application servers that can be run together in the same installation.

## Integration

The Xythos WebFile Server can be used to add unstructured information management and collaborative capabilities to any enterprise application. The flexible APIs can be used to integrate its comprehensive library services into an application where application logic is coded directly on top of the core feature set. Developers can also easily limit which features their web application presents based upon project and security requirements.



*The WebFile Server APIs allow developers to integrate a standard set of library services into any web application*



## WebFile Server

### System Requirements

#### Servers

Any platform supporting J2SE or J2EE including: Windows NT® 2000, 2003, Linux, Solaris®, IBM AIX, HP/UX® and Mac OS X

#### Web/Application Servers

Apache Web Server, Microsoft IIS®, BEA Weblogic®, IBM WebSphere® and Tomcat

#### Client Systems

HTTP-enabled devices, including those running Windows®, Mac OS® and Linux

#### Database

IBM DB2®, Oracle®, Microsoft SQL Server®, PostgreSQL

Applications also can communicate directly with the WebFile Server using the WebDAV extension to the HTTP protocol. The first and most widely deployed web service, WebDAV, allows client applications to perform remote file management. As a result, other applications can communicate with the WebFile Server, allowing access, storage and management of active files using a URL that resides in the client application. The capabilities of WebDAV can also be extended using the API to address features like file auditing, change status notification, and other security and compliance-related requirements.

### Benefits

#### Easily Customize and Build New Applications

Xythos WebFile Server provides a flexible content management platform for developers to build new applications on. There is a complete set of out-of-the-box library services, a robust security model, and a flexible set of APIs.

#### Standards-Based Architecture

The WebFile Server's open standards-based architecture allows the product to be platform independent; it can be installed in existing server environments without imposing new system requirements and remains accessible from all common client system environments.

#### Supports Common Security Models

Xythos WebFile Server is designed to leverage existing standards for system authentication and transport security making it easy to integrate WebFile Server into an organization's current applications and network infrastructure.

#### Proven Scalability and Reliability

Xythos WebFile Server was designed to easily scale to meet the most demanding performance requirements. A loosely-coupled distributed system allows database and file system components to be scaled independently within a load-balanced environment as system requirements grow.

**For more information please call 1.888.4XYTHOS  
or visit [www.xythos.com](http://www.xythos.com)**

Xythos Software, Inc. , 655 Montgomery Street, 16th Floor, San Francisco, CA 94111