

WebDAV

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April 15, 2008

Topics

- WebDAV protocol
- WebDAV clients
- Open source libraries
- WebDAV programming
- Useful tools
- Advanced topics

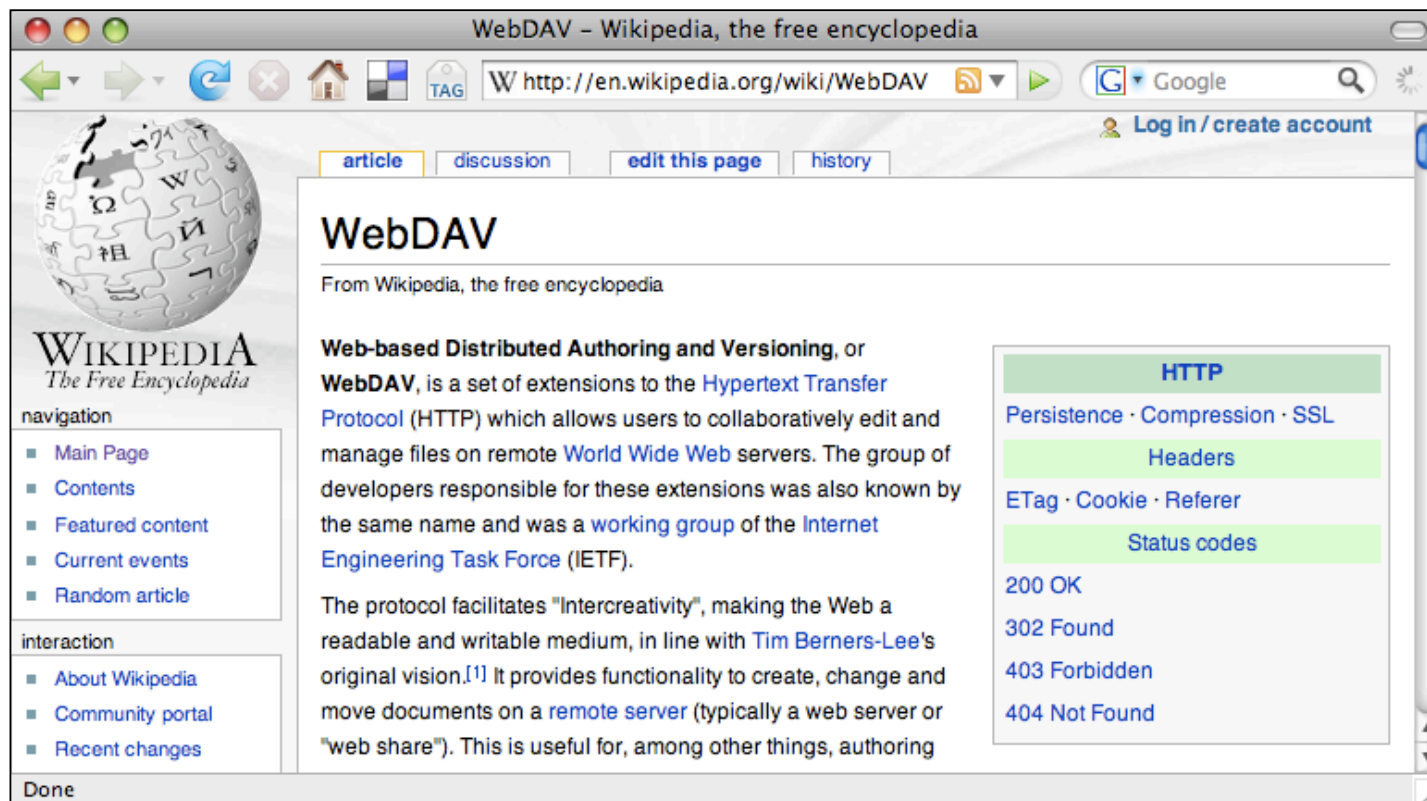
WebDAV defined

“Web Distributed Authoring and Versioning (WebDAV) consists of a set of methods, headers, and content-types ancillary to HTTP/1.1 for the management of resource properties, creation and management of resource collections, URL namespace manipulation, and resource locking (collision avoidance)”

WebDAV

WebDAV is a set of extensions to HTTP that enable clients to manage files on a remote server

Wikipedia: WebDAV



The screenshot shows a web browser window titled "WebDAV - Wikipedia, the free encyclopedia". The address bar contains the URL "http://en.wikipedia.org/wiki/WebDAV". The page content includes the Wikipedia logo, navigation links, and the main article text. The article text defines WebDAV as a set of extensions to HTTP for collaborative editing and file management on remote servers. A table of HTTP status codes is visible on the right side of the page.

WebDAV - Wikipedia, the free encyclopedia

http://en.wikipedia.org/wiki/WebDAV

Log in / create account

article discussion edit this page history

WebDAV

From Wikipedia, the free encyclopedia

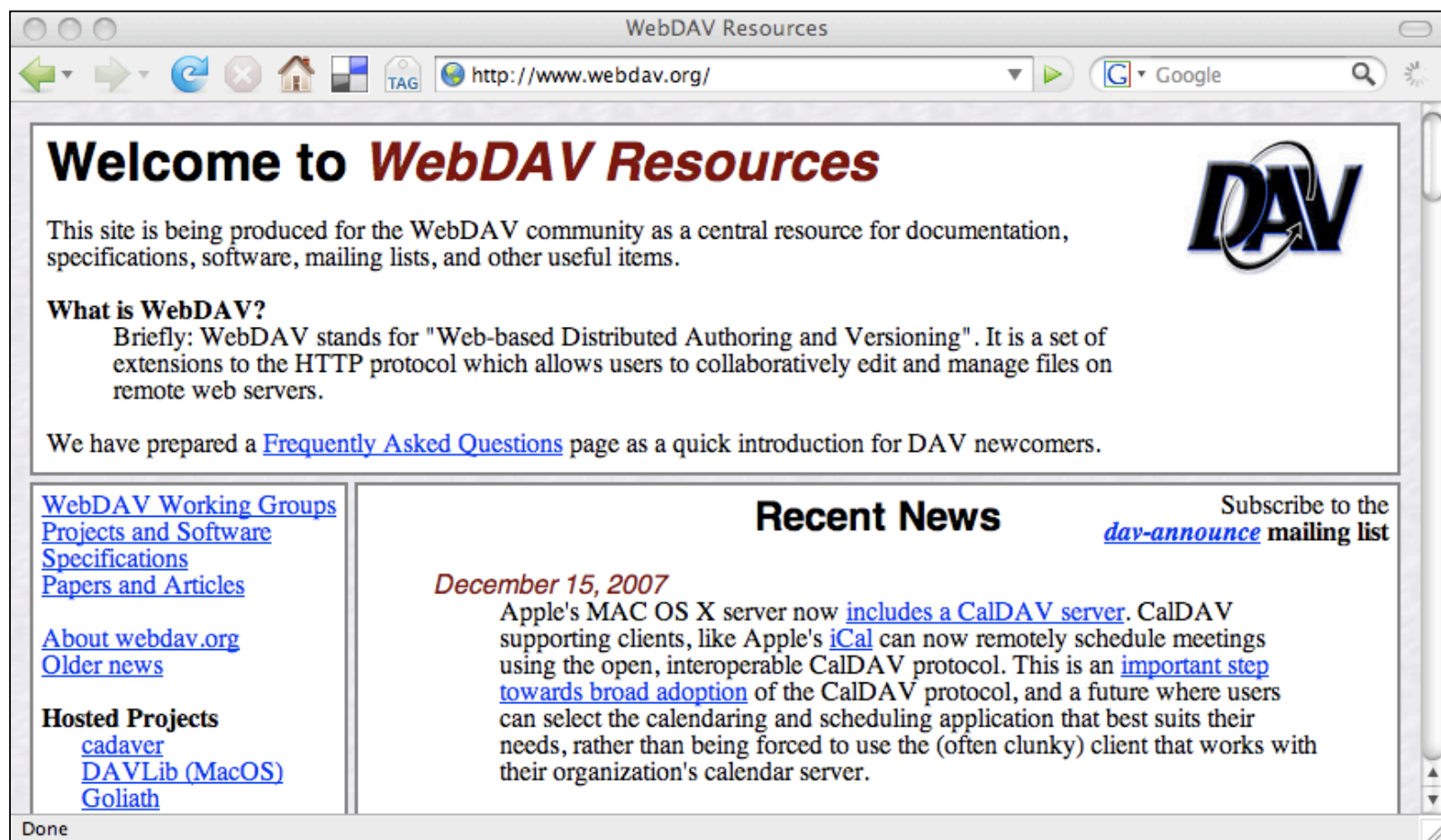
Web-based Distributed Authoring and Versioning, or WebDAV, is a set of extensions to the [Hypertext Transfer Protocol](#) (HTTP) which allows users to collaboratively edit and manage files on remote [World Wide Web](#) servers. The group of developers responsible for these extensions was also known by the same name and was a [working group](#) of the [Internet Engineering Task Force](#) (IETF).

The protocol facilitates "intercreativity", making the Web a readable and writable medium, in line with [Tim Berners-Lee's](#) original vision.^[1] It provides functionality to create, change and move documents on a [remote server](#) (typically a web server or "web share"). This is useful for, among other things, authoring

HTTP
Persistence · Compression · SSL
Headers
ETag · Cookie · Referer
Status codes
200 OK
302 Found
403 Forbidden
404 Not Found

Done

webdav.org




The image shows a screenshot of a web browser window displaying the website webdav.org. The browser's address bar shows the URL "http://www.webdav.org/". The page content includes a welcome message, a definition of WebDAV, and a recent news section dated December 15, 2007, which discusses Apple's MAC OS X server including a CalDAV server. The page also features a sidebar with links to working groups, projects, and hosted projects.

WebDAV Resources

http://www.webdav.org/

Welcome to *WebDAV Resources*



This site is being produced for the WebDAV community as a central resource for documentation, specifications, software, mailing lists, and other useful items.

What is WebDAV?
Briefly: WebDAV stands for "Web-based Distributed Authoring and Versioning". It is a set of extensions to the HTTP protocol which allows users to collaboratively edit and manage files on remote web servers.

We have prepared a [Frequently Asked Questions](#) page as a quick introduction for DAV newcomers.

[WebDAV Working Groups](#)
[Projects and Software](#)
[Specifications](#)
[Papers and Articles](#)

[About webdav.org](#)
[Older news](#)

Hosted Projects
[cadaver](#)
[DAVLib \(MacOS\)](#)
[Goliath](#)

Recent News

Subscribe to the [dav-announce mailing list](#)

December 15, 2007
Apple's MAC OS X server now [includes a CalDAV server](#). CalDAV supporting clients, like Apple's [iCal](#) can now remotely schedule meetings using the open, interoperable CalDAV protocol. This is an [important step towards broad adoption](#) of the CalDAV protocol, and a future where users can select the calendaring and scheduling application that best suits their needs, rather than being forced to use the (often clunky) client that works with their organization's calendar server.

Done

WebDAV specifications

- RFC 4918 - core specification
- RFC 3648 - ordered collections
- RFC 4316 - properties
- RFC 3253 - versioning extensions
- RFC 4331 - quota and size
- RFC 3744 - access control

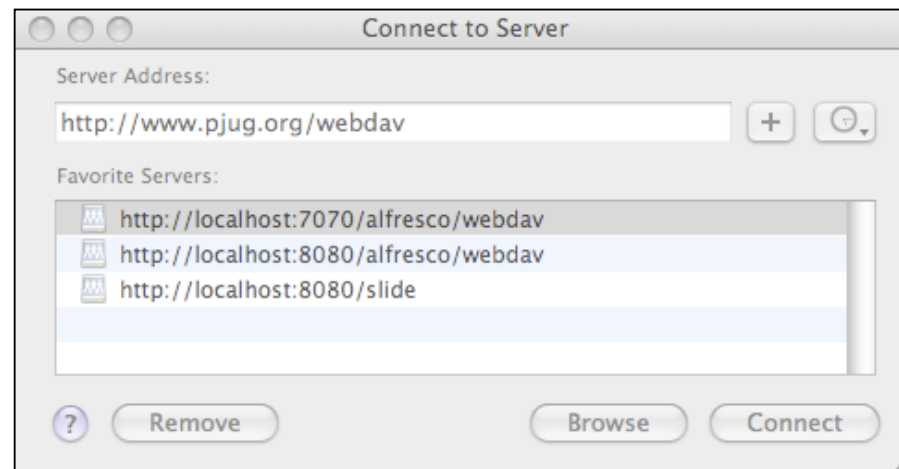
WebDAV methods

- PROPFIND
- OPTIONS
- GET
- PUT
- DELETE
- COPY
- LOCK
- UNLOCK
- MOVE
- MKCOL
- PROPPATCH
- SEARCH

WebDAV methods continued

- SUBSCRIBE
- UNSUBSCRIBE
- BPROPFIND
- BPROPPATCH
- NOTIFY

Mac OS X Finder



Mac OS X

mount_webdav

```
Terminal — less — 80x24
MOUNT_WEBDAV(8)      BSD System Manager's Manual      MOUNT_WEBDAV(8)

NAME
  mount_webdav -- mount a WebDAV filesystem

SYNOPSIS
  mount_webdav [-s] [-S] [-afd] [-v volume_name] [-o options]
               [scheme://]host[:port][/path] node

DESCRIPTION
  The mount_webdav command mounts the WebDAV-enabled server directory at
  [scheme://]host[:port][/path] at the mount point indicated by node.

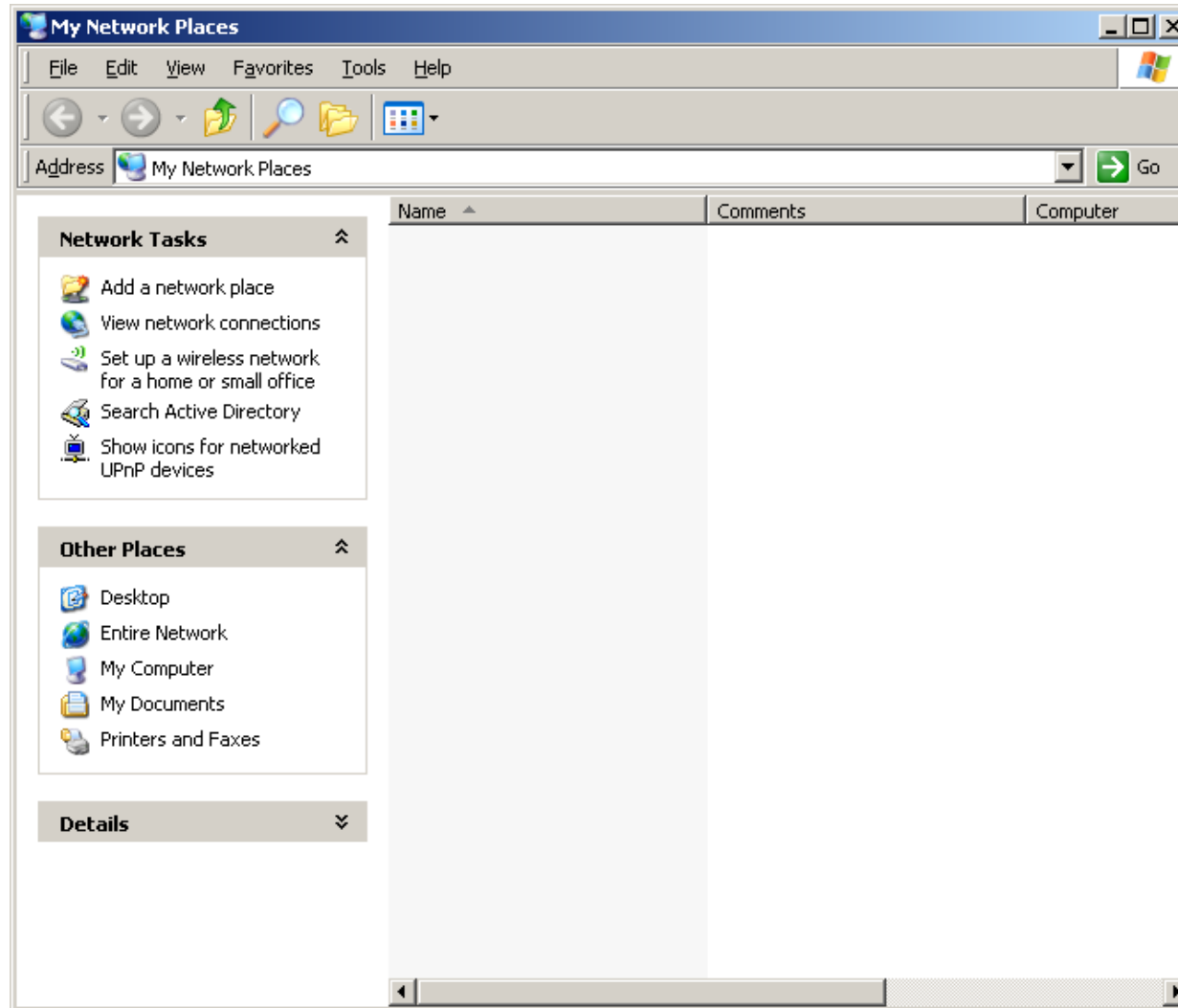
  The user and group IDs for all files and directories are set to unknown,
  and the permissions default to read, write and execute for user, group
  and other.

  The arguments and options are:

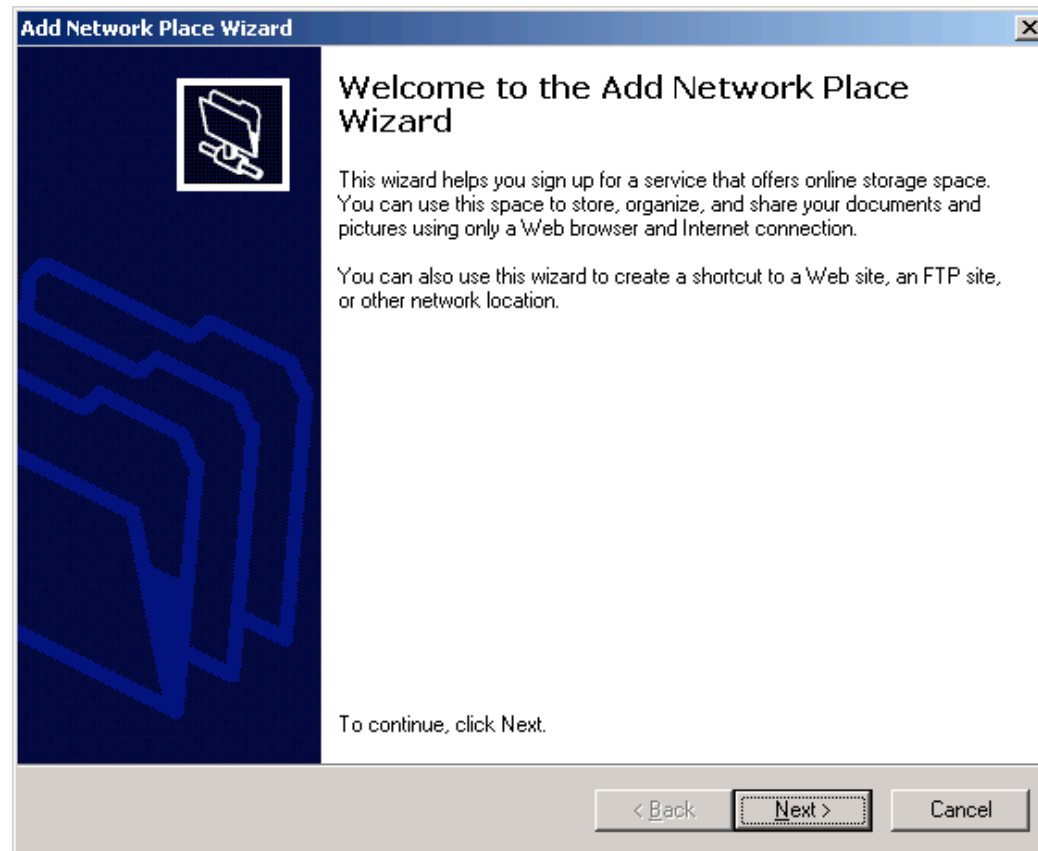
  -s      Require that authentication credentials be sent securely to the
          server. Note: If this option is not set, sending authentication
          credentials insecurely to the server will be allowed but will be
          logged.

:[]
```

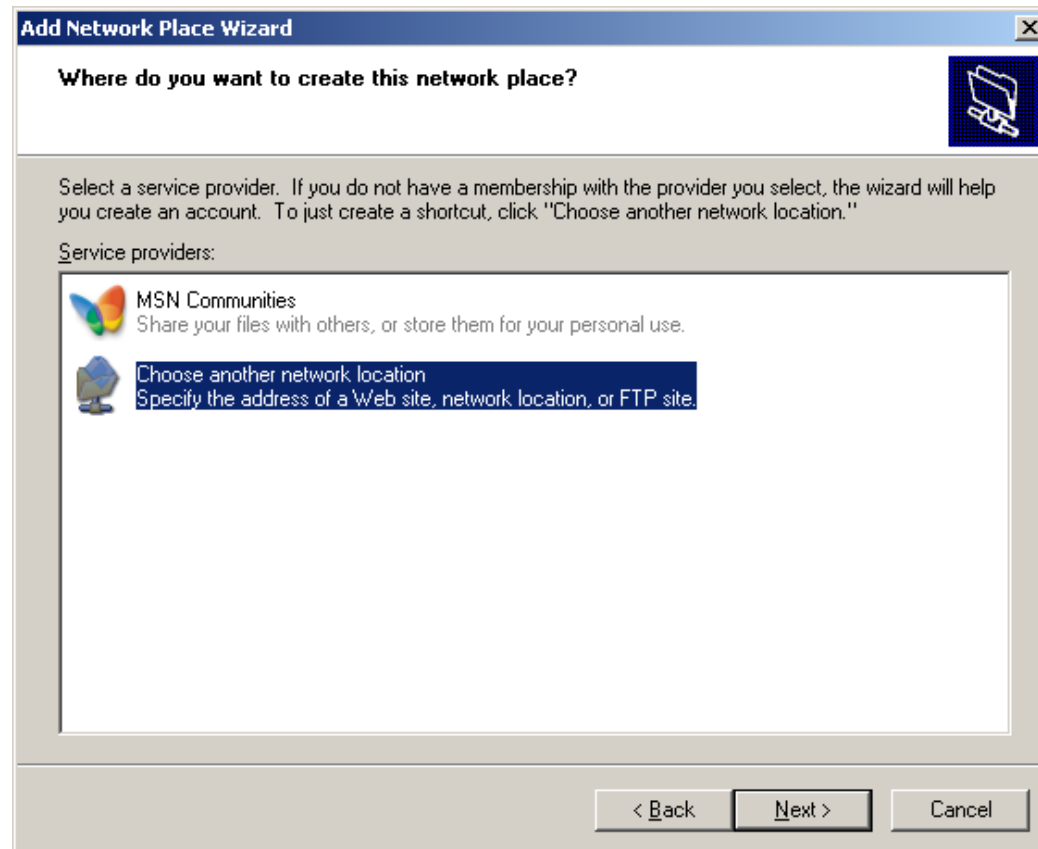
Windows XP



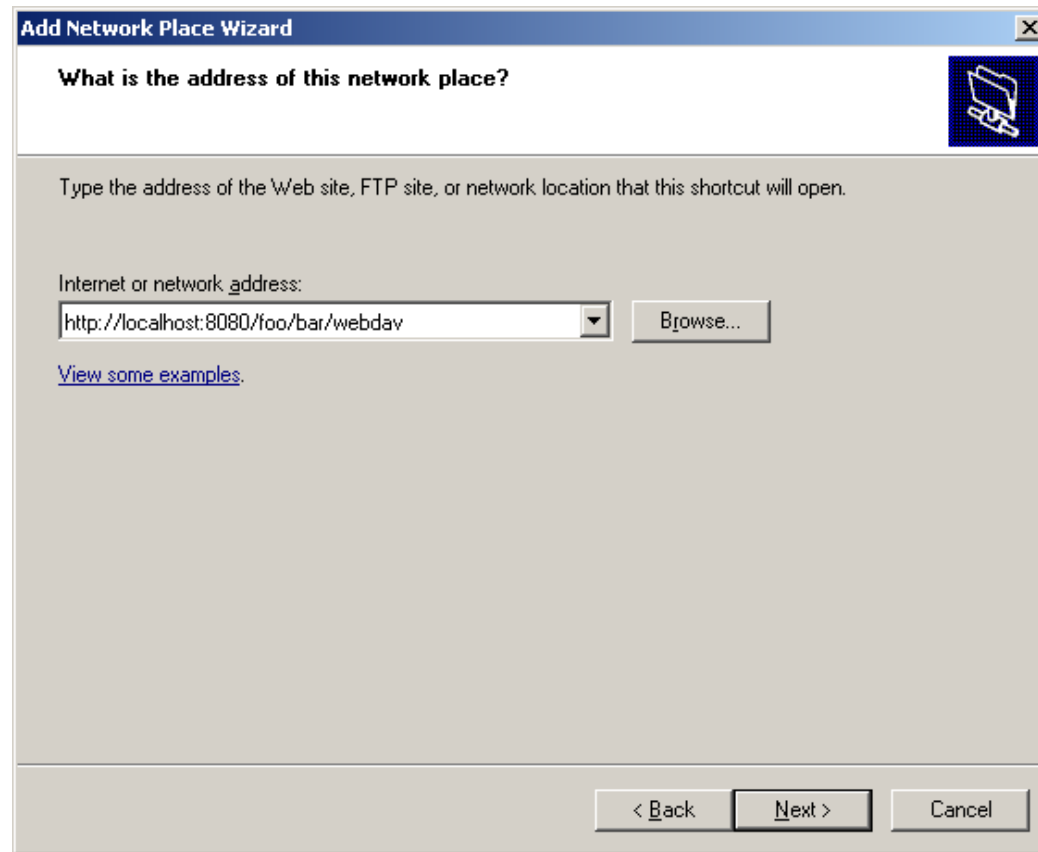
Windows XP



Windows XP



Windows XP



Open source libraries

- mod_dav
- Apache Jackrabbit
- Jakarta Slide
- others listed at www.webdav.org

Jakarta Slide



The screenshot shows a web browser window titled "Jakarta Slide - The Jakarta Slide project" with the address bar showing "http://jakarta.apache.org/slide/". The page features the Jakarta Project logo (a colorful feather) and the word "Slide" in large blue letters. The main content area is divided into two sections: "Main" and "User's Guide".

Main

- [Introduction](#)
- [Architecture](#)
- [News](#)
- [Roadmap](#)
- [FAQ](#)
- [Downloads](#)
- [Contributors](#)
- [Mailing Lists](#)
- [Query Bug Database](#)
- [Enter a Bug](#)
- [CVS](#)
- [Wiki](#)

Slide Is Retired

As of 2007-11-03, the Slide project is retired. This site is kept online for archiving purposes.

Due to the lack of a developer community, the codebase was no longer actively maintained and security issues could not be addressed by bugfix releases. The Jakarta PMC therefore had no other choice but to retire Slide.

If you are looking for a WebDAV client or a server-side Content Repository, please consider the [Apache Jackrabbit](#) project as an alternative.

This site is kept online for archiving purposes.

User's Guide

- [Connecting with Windows XP](#)
- [Using MacOS X webdav fs](#)
- [Commandline Client](#)
- [Projector](#)
- [WebDAV Construction Kit](#)

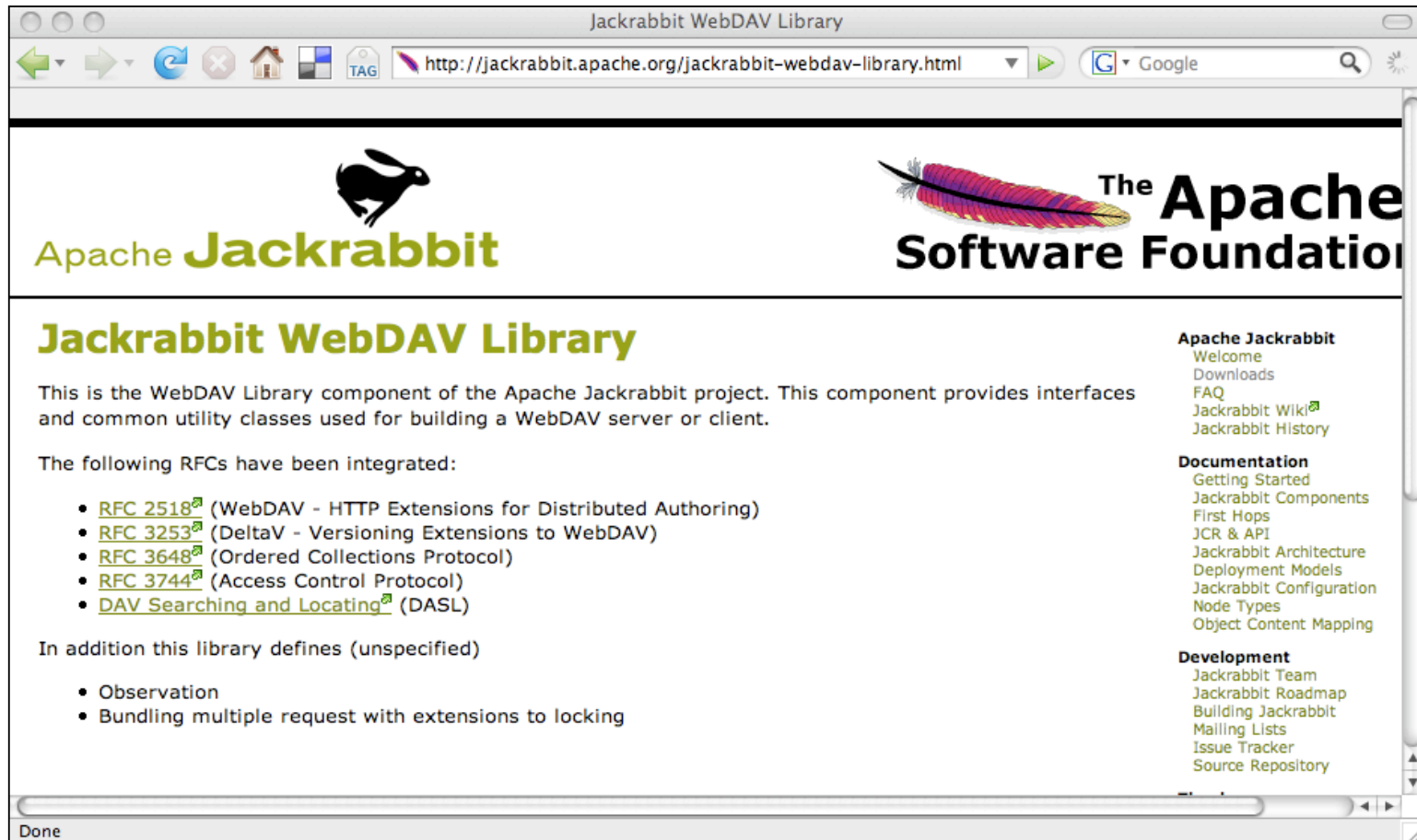
Overview

Welcome to the Jakarta Slide project! Slide is a content repository which can serve as a basis for a content management system / framework and other purposes. It features:

- Full WebDAV Support
- Basic Delta-WebDAV-Monitoring Support

Done

Apache Jackrabbit





The screenshot shows a web browser window titled "Jackrabbit WebDAV Library". The address bar contains the URL "http://jackrabbit.apache.org/jackrabbit-webdav-library.html". The page features the Apache Jackrabbit logo (a black rabbit) and the Apache Software Foundation logo (a colorful feather). The main heading is "Jackrabbit WebDAV Library". Below this, a paragraph states: "This is the WebDAV Library component of the Apache Jackrabbit project. This component provides interfaces and common utility classes used for building a WebDAV server or client." A section titled "The following RFCs have been integrated:" lists five RFCs: RFC 2518 (WebDAV - HTTP Extensions for Distributed Authoring), RFC 3253 (Delta - Versioning Extensions to WebDAV), RFC 3648 (Ordered Collections Protocol), RFC 3744 (Access Control Protocol), and DAV Searching and Locating (DASL). Another section titled "In addition this library defines (unspecified)" lists two items: Observation and Bundling multiple request with extensions to locking. On the right side, there is a navigation menu with sections: "Apache Jackrabbit" (Welcome, Downloads, FAQ, Jackrabbit Wiki, Jackrabbit History), "Documentation" (Getting Started, Jackrabbit Components, First Hops, JCR & API, Jackrabbit Architecture, Deployment Models, Jackrabbit Configuration, Node Types, Object Content Mapping), and "Development" (Jackrabbit Team, Jackrabbit Roadmap, Building Jackrabbit, Mailing Lists, Issue Tracker, Source Repository). The browser status bar at the bottom shows "Done".

Jackrabbit WebDAV Library

http://jackrabbit.apache.org/jackrabbit-webdav-library.html

Google

 Apache **Jackrabbit**

 The Apache Software Foundation

Jackrabbit WebDAV Library

This is the WebDAV Library component of the Apache Jackrabbit project. This component provides interfaces and common utility classes used for building a WebDAV server or client.

The following RFCs have been integrated:

- [RFC 2518](#) (WebDAV - HTTP Extensions for Distributed Authoring)
- [RFC 3253](#) (Delta - Versioning Extensions to WebDAV)
- [RFC 3648](#) (Ordered Collections Protocol)
- [RFC 3744](#) (Access Control Protocol)
- [DAV Searching and Locating](#) (DASL)

In addition this library defines (unspecified)

- Observation
- Bundling multiple request with extensions to locking

Apache Jackrabbit
Welcome
Downloads
FAQ
[Jackrabbit Wiki](#)
[Jackrabbit History](#)

Documentation
Getting Started
Jackrabbit Components
First Hops
JCR & API
Jackrabbit Architecture
Deployment Models
Jackrabbit Configuration
Node Types
Object Content Mapping

Development
Jackrabbit Team
Jackrabbit Roadmap
Building Jackrabbit
Mailing Lists
Issue Tracker
Source Repository

Done

Atlassian Confluence

WebDAV Plugin - Confluence Extension - Confluence

http://confluence.atlassian.com/display/CONFEXT/WebDAV+Plugin

Dashboard > Confluence Extension > ... > Other > WebDAV Plugin

Space Log In Sign Up Search

WebDAV Plugin

Added by [David Peterson](#), last edited by [Brendan Patterson](#) on Mar 29, 2008 ([view change](#)) [show comment](#)

Name	WebDAV Plugin
Vendor	Atlassian Software Systems (Website)
Authors	David Peterson (CustomWare) , Jonathan Appel (CustomWare) , Robert Castaneda (CustomWare) , Marlon Alvarado (CustomWare)
Homepage	http://confluence.atlassian.com/display/CONFEXT/WebDAV+Plugin
Issue Management	http://developer.atlassian.com/jira/browse/WBDV
Categories	Remote Access
Version	1.2.3
Availability	Confluence v2.3 to v2.8.0
State	Prerelease
Support	
License	Freeware / Open Source (BSD)

Done

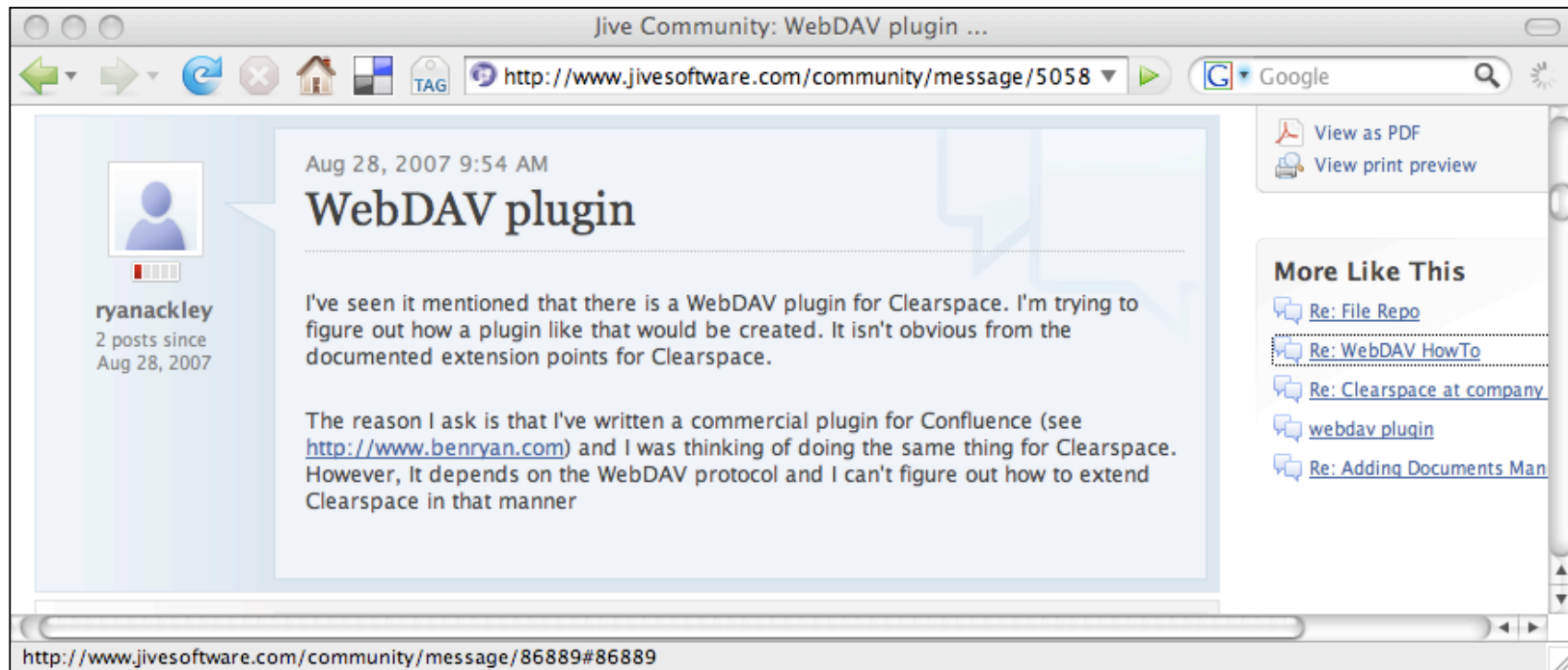
Spaces

- iDisk
- Network
- Macintosh HD
- webdav
- nolen
- Desktop
- Applications
- atlassian

@users
Spaces
ds

1 item, -- KB available

Clearspace



The screenshot shows a web browser window with the title "Jive Community: WebDAV plugin ...". The address bar contains the URL "http://www.jivesoftware.com/community/message/5058". The page content features a message from user "ryanackley" dated "Aug 28, 2007 9:54 AM". The message title is "WebDAV plugin". The text of the message discusses the user's attempt to create a WebDAV plugin for Clearspace, mentioning a commercial plugin for Confluence as a reference. On the right side of the message, there are links for "View as PDF" and "View print preview". Below the message, there is a "More Like This" section with several related message links. The browser's status bar at the bottom shows the URL "http://www.jivesoftware.com/community/message/86889#86889".

Jive Community: WebDAV plugin ...

http://www.jivesoftware.com/community/message/5058

Google

View as PDF
View print preview

ryanackley
2 posts since
Aug 28, 2007

Aug 28, 2007 9:54 AM

WebDAV plugin

I've seen it mentioned that there is a WebDAV plugin for Clearspace. I'm trying to figure out how a plugin like that would be created. It isn't obvious from the documented extension points for Clearspace.

The reason I ask is that I've written a commercial plugin for Confluence (see <http://www.benryan.com>) and I was thinking of doing the same thing for Clearspace. However, it depends on the WebDAV protocol and I can't figure out how to extend Clearspace in that manner

More Like This

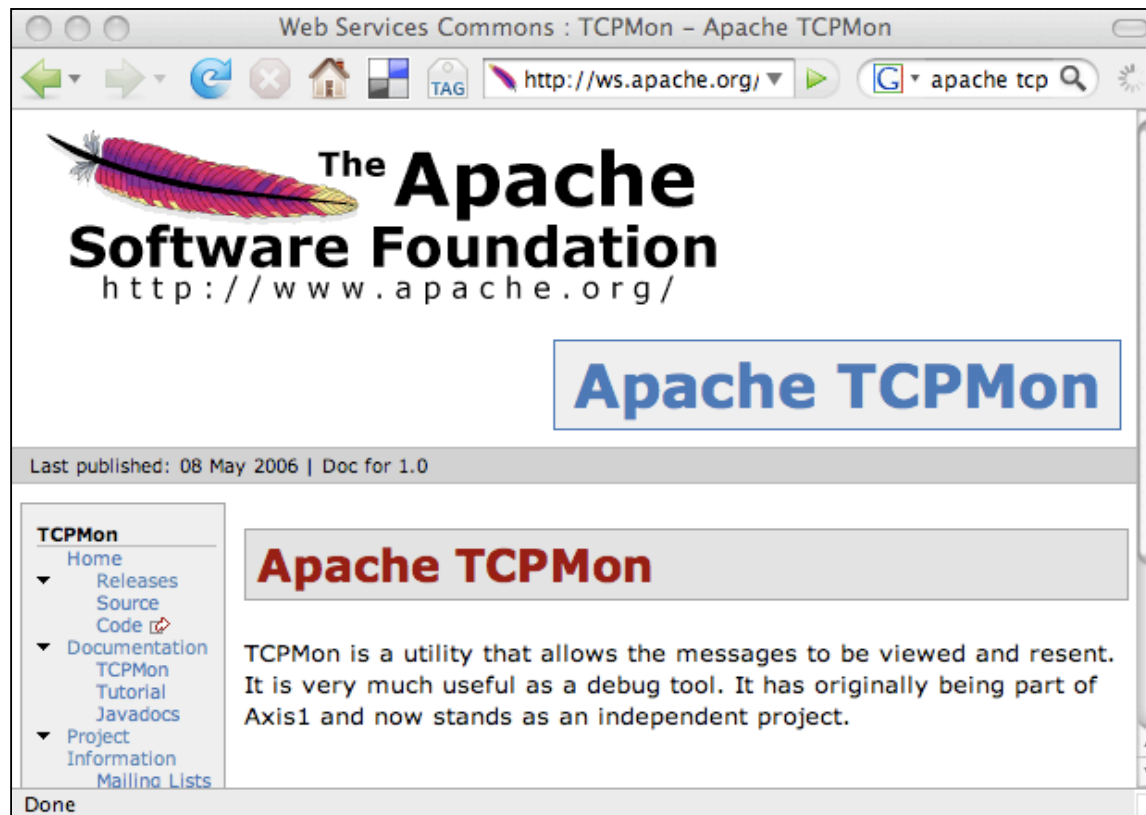
- Re: File Repo
- Re: WebDAV HowTo
- Re: Clearspace at company
- webdav plugin
- Re: Adding Documents Man

http://www.jivesoftware.com/community/message/86889#86889

HTTP debugging tools

- <http://www.fiddler2.com> (Windows only)
- <http://xml.apache.org/tcpmon> (Java)

Apache tcpmon



WebDAV programming

- `org.apache.jackrabbit.webdav`
- `org.apache.jackrabbit.webdav.client`
- `org.apache.jackrabbit.webdav.client.methods`
- `org.apache.jackrabbit.webdav.server`

Advanced topics

- Internet Explorer
- Security

Internet Explorer and WebDAV

- OpenDocuments control
- HTTP “web folder” behavior

Microsoft OpenDocuments

[MSDN](#) ▶ [MSDN Library](#) ▶ [Web Development](#) ▶ [Server Technologies](#) ▶ [SharePoint Products and Technologie...](#) ▶
[Windows SharePoint Services 3.0](#) ▶ [SDK Documentation](#) ▶ [General Reference](#) ▶ [Reference](#) ▶ [Client-Side API Reference](#) ▶
[OpenDocuments Control](#) ▶

Collapse All

OpenDocuments Control

An ActiveX control that allows users to create documents based on a specified template, or to edit documents with their associated applications in the context of Microsoft Windows SharePoint Services.

<http://msdn2.microsoft.com/en-us/library/ms454230.aspx>

Microsoft OpenDocuments

[MSDN](#) ▶ [MSDN Library](#) ▶ [Web Development](#) ▶ [Server Technologies](#) ▶ [SharePoint Products and Technologie...](#) ▶
[Windows SharePoint Services 3.0](#) ▶ [SDK Documentation](#) ▶ [General Reference](#) ▶ [Reference](#) ▶
[Client-Side API Reference](#) ▶ [OpenDocuments Control](#) ▶ **OpenDocuments.EditDocument3 Method**

Collapse All Language Filter

OpenDocuments.EditDocument3 Method

Opens the specified document for editing with its associated application or with the specified editor based on the specified window object, and specifies whether to use a local copy.

```
expression.EditDocument2(pdisp, bstrDocumentLocation, fUseLocalCopy, varProgID)
```

<http://msdn2.microsoft.com/en-us/library/cc264288.aspx>

Internet Explorer “web folder” behavior

[MSDN](#) ▶ [MSDN Library](#) ▶ [Web Development](#) ▶ [HTML and CSS](#) ▶ [DHTML Behaviors](#) ▶ [Overviews/Tutorials](#) ▶

About Web Folder Behaviors

▼ Language Filter

About Web Folder Behaviors

The Web Folder Behaviors available as of Microsoft Internet Explorer 5 and later allow users to navigate to a folder view, and include support for [Distributed Authoring and Versioning \(DAV\)](#) and Web Extender Client (WEC) protocols. DAV is a series of extensions to the [http](#) and defines how basic file functions, such as copy, move, delete, and create folder, are performed across **http**. WEC is a Microsoft FrontPage protocol that provides the same sort of functionality as DAV, in addition to its own value-added FrontPage features. Both protocols define how to set and retrieve properties on **http** resources.

The Web Folder Behaviors enable authors to view sites in a Web folder view, which is similar to the Microsoft Windows Explorer folder view. The DAV and WEC protocols add additional capabilities to the Web folder view. For example, using the Web Folder Behaviors and DAV makes it possible to perform the equivalent of a DIR command on an **http** resource and retrieve all the information necessary to fill a Windows Explorer view. Internet Explorer 5 and later supports two Web Folder Behaviors that allow users to browse sites in a Web folder view.

The [anchorClick](#) and [httpFolder](#) Web Folder Behaviors encompass the means to navigate from a Web page to a Web folder view. They provide convenient access to folders and files on an **http** server. A Web folder view maintains a consistent user experience between navigating the local file system, a networked drive, and an Internet Web site. Although a Web folder is a part of the file system hierarchy, it does not necessarily represent anything in the file system.

Security

- WebDAV over HTTPS
- use Basic authentication?
- use Negotiate (SPNEGO)?
- cookie-based authentication?