ArtistScope Site Protection System (ASPS)

ASPS PDF Manager

The ASPS PDF Manager was specially designed to dynamically index and copy protect PDF documents stored on a server or within a web site. Regardless of quantity or folder structure, the ASPS PDF Manager will spider all documents and folders in the designated start location and create indexes based on current state and content.

Protecting Ordinary PDF (no encryption required)

No encryption is required of PDF documents for them to be copy protected while displayed in the ASPS Web Reader. However permission to print must be removed from the PDF otherwise the Adobe Reader plugin will present a menu for save, print all sorts of options that you do not want here.

Using this method ASPS can copy protect any vanilla PDF and still retain support for all of the latest features available in Adobe Reader for interactive web forms, 3D objects, video and sound files.

PDF documents can be uploaded by any means at your disposal. If an inbuilt document uploader is included in your PDF Manager package then you can use that. Otherwise you will find that by using FTP you have much more freedom, faster uploads and total control over sub-folder structure.

Member Log-in & Web Reader Launch

Users are required to log-in using the ASPS Web Reader thus ensuring that the solution cannot be exploited in any way. The entry page is accessible by all web browsers and can be linked from your other pages or even offsite. If the Web Reader is not detected as being installed, the user is offered the download link.
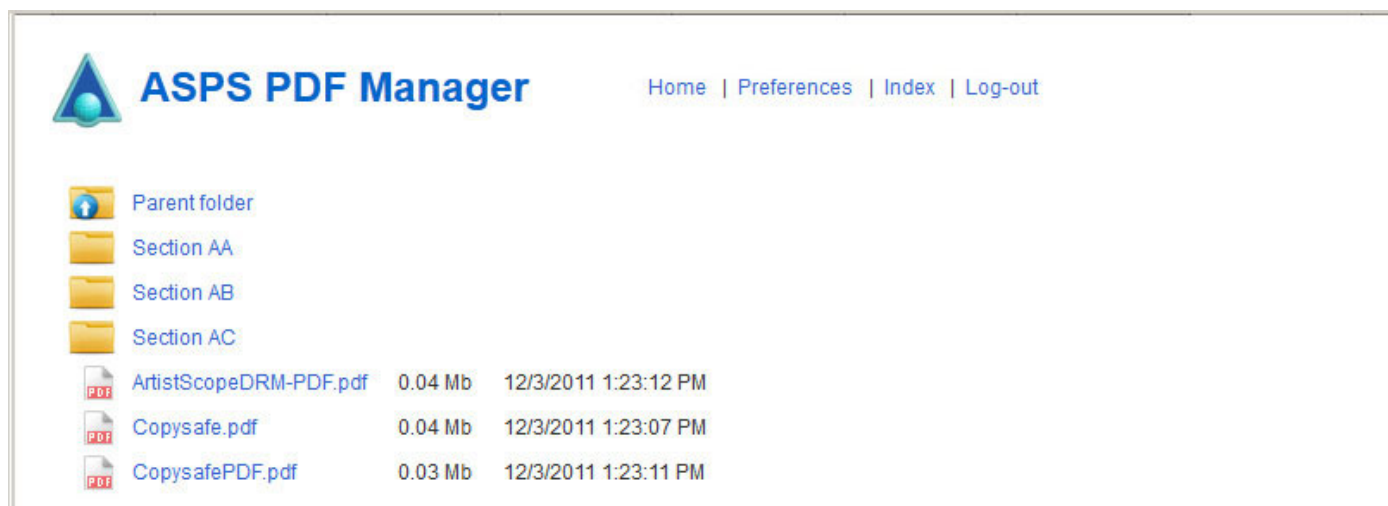

Once installed the entry page will change to show a 'Launch" button. This launch button will start the ASPS Web Reader regardless of which web browser is being used.

User Access Rights

After logging in the user will be limited to which folders have been allowed. For example from the image below you can see the list of folders and documents that are allowed to this user:

The Administrator has set the Parent Folder for this user above what you see above.
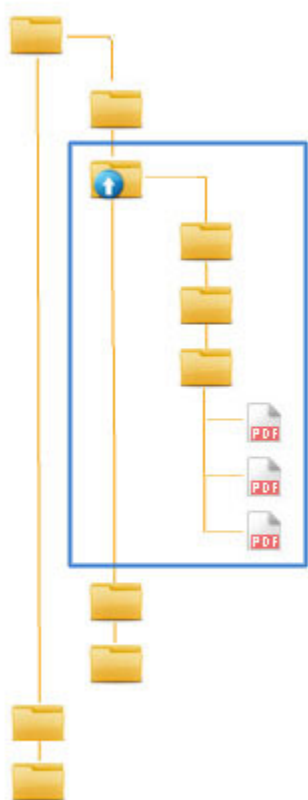
Another interpretation of the folders accessible to this user can be seen to the left, ie: all folders below the user's Parent Folder are defined within the blue outline.

Admin can change a user's allocated Parent Folder at any time.

- Protected from all copy and save techniques (copy protection)
- Restricted by user access privileges (DRM)
- Restricted to network or member only access
- Protected from all other web browsers and site grabbers
- Assign different parent folders per user
- Assign special print permissions
- Records all logins and document usage (statistics)

ASPS puts web site management back into the hands of site administrators where it belongs.

Because these pages and indexes are encrypted and only accessible by the ASPS Web Reader, the documents and their location will always be protected. In fact nothing can be retrieved, not even from browser cache or a temporary internet folder because unlike all other browsers and their clones, the ASPS Web Reader doesn't use one.

Group & Folder Management

As Administrator different Groups can be created and associated to folders on the server. Users can then be assigned to a Group thus enabling them to access all documents below the start of that folder tree.

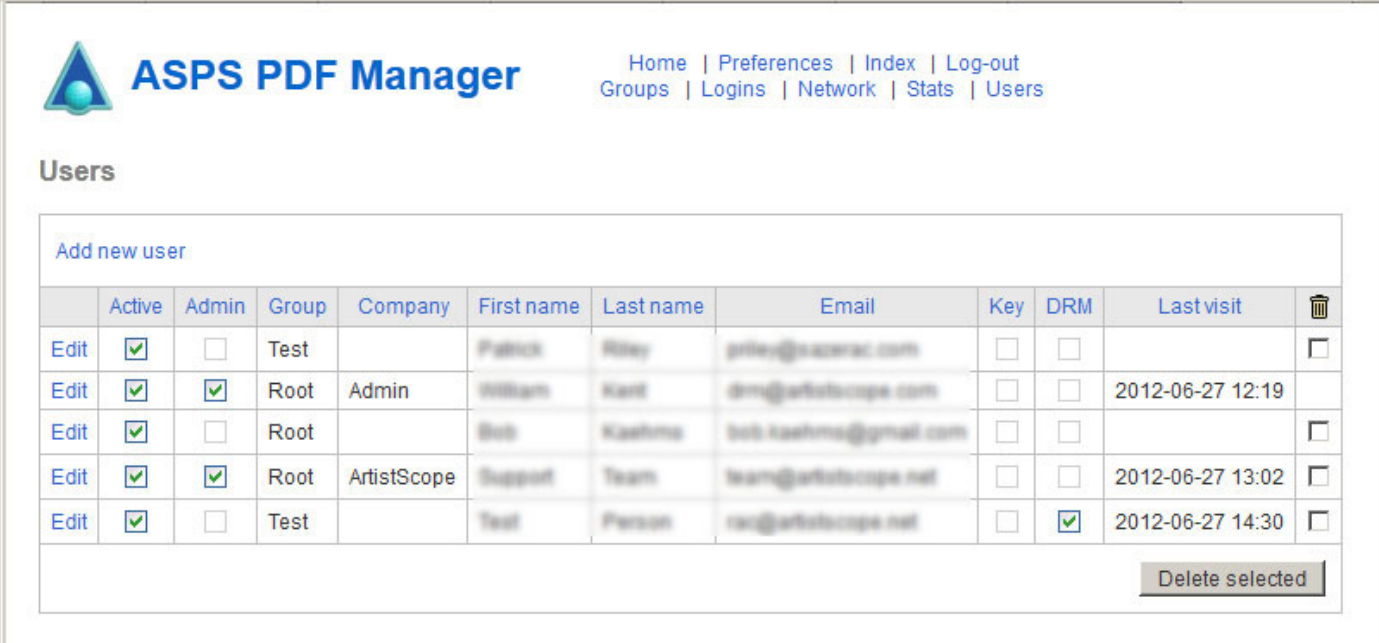Simply nominate a name for the Group and the full path to the folder parent folder for that Group.

Changing Active = No at any time will block access for this Group with immediate effect.

User Management

The Administrator has full control over all user aspects, with immediate effect on any permission changes.

The image above shows the user list form which the Administrator can tell at a glance:

- Which members are Administrators
- Which members are active (access approved by admin)
- Which members have registered their computer for DRM
- Which members have their access governed by DRM
- The last visit date of each member

The member list can be sorted by column and will change from ascending to descending order by clicking on the column heading.

Each member can access their contact details to update them, however the Administrator can also control such access. For example admin can prevent a user from changing their name, changing computers associated with the account and more.

Name Lock

Locking the option for a user to change their name can preserve familiarity. With Name Lock applied the user can change other details like their email address but once the first and last name is set it cannot be changed by the user.

Computer Lock

With Computer Lock applied the user cannot use their account from another computer. To allow a change admin can delete the computer ID already recorded.

DRM Enforced

Admin may not want to enforce DRM control over all members, so DRM is applied per user in their settings. When DRM is applied that user can only access the PDF library from the computer that is associated with the account.

Computer ID

Computer ID is the unique signature of the user's computer. The ASPS Web Reader automatically retrieves this information so that it is available at all times. A user's membership record begins with a blank ComputerID record which can be updated (if allowed by admin) at any time by simply updating their contact details, ie: loading their contact details page and saving the information will automatically update their Computer ID for the computer they are currently using.
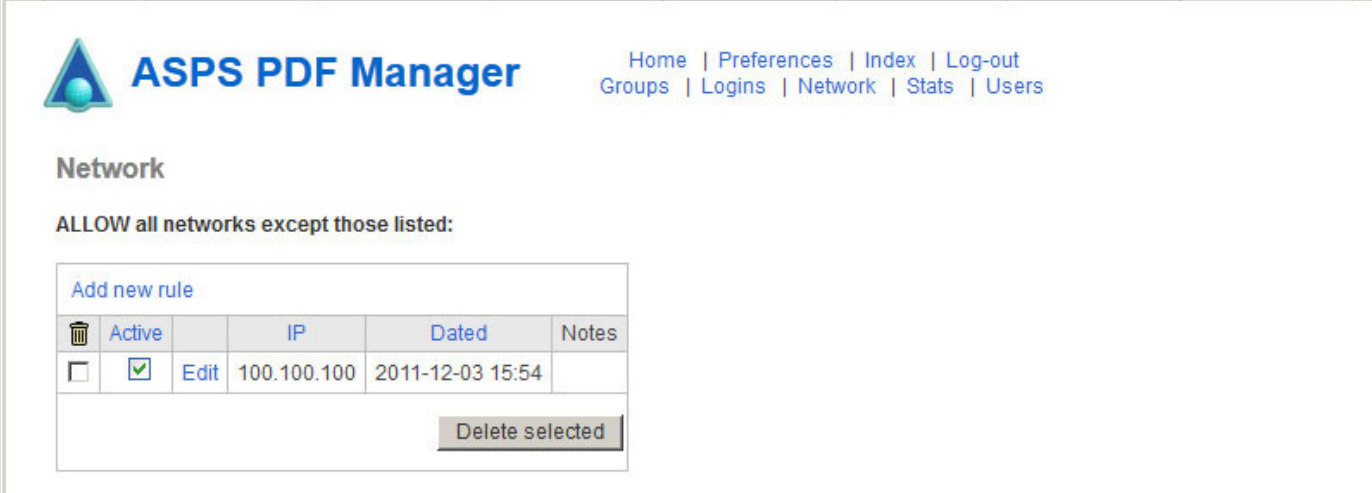
At any time that admin updates a user's settings, they can also send them an email. Each email will automatically include a welcome message and their login details. Anything typed into the message filed will be appended to that message.
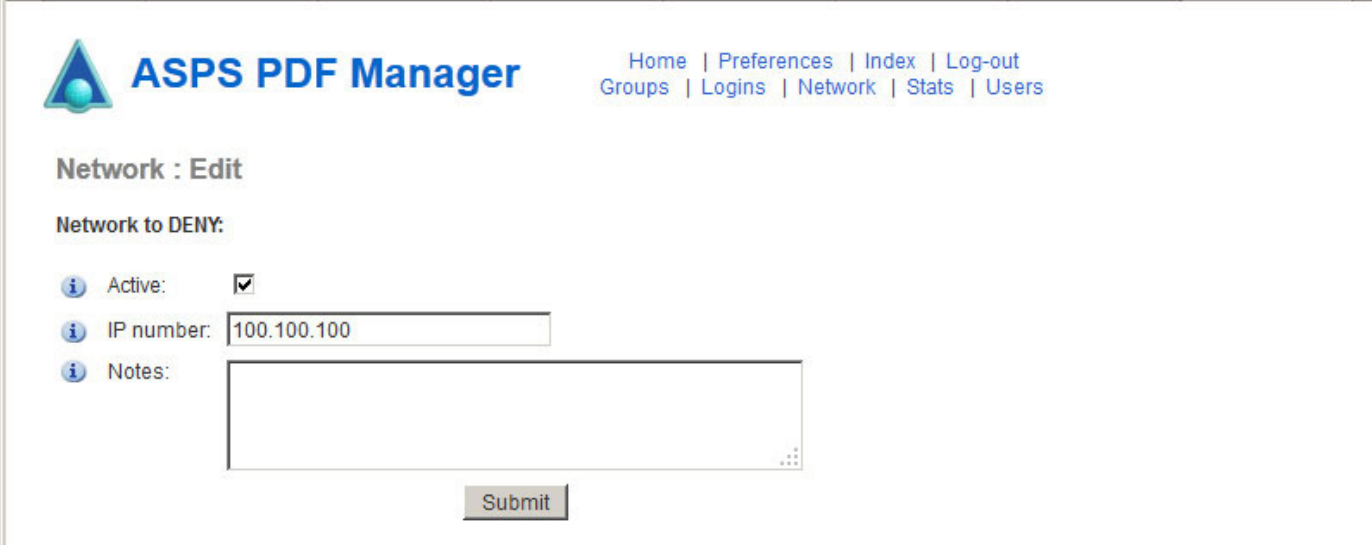
Network Management

The Administrator can set which networks to block or which networks to allow. For example a site accessible to the Internet may only block troublesome networks or allow the fixed IP ranges of known clients.

Whole or part of the IP Number can be nominated. For example in the image above the whole range is blocked from 100.100.100.1 to 100.100.100.254.

Changing Active = No at any time will block access for this Group with immediate effect.

Statistics

All log-ins are recorded.

All document usage is recorded.

Installation

Unzip the PDF Manager and copy its files to your website. The Bin folder and web.config may already exists. Otherwise you file list might look like:

📁 artis-plugins	6/24/2013 2:05 AM	File folder	
📁 bin	6/24/2013 1:59 AM	File folder	
📁 doc_root	6/24/2013 12:52 AM	File folder	
📁 FileManager	6/24/2013 1:08 AM	File folder	
📁 images	6/24/2013 1:43 AM	File folder	
📄 launch.asp	6/17/2013 5:24 PM	ASP File	2 KB
📄 web.config	6/24/2013 1:50 AM	XML Configuration File	1 KB
📄 welcome.asp	6/16/2013 12:04 AM	ASP File	1 KB

The 2 files that you need to edit for your site are:

- inc_common.asp
- inc_dbconnection.asp

The most important setting in inc_common.asp is the strSitePath as it must be the path to whwre you site is located on the server.

Database Connection

If using an Access database you may need to configure the server to allow Access as Windows Server 2008 does not support it by default. If using SQL the easiest and most reliable database connection is made by creating a DSN connection. Go to Adminstrative Tools > data Resources (ODBC) and create a System DSN for SQL Server. Note that if your site has been enabled for 32-bit applications than you will have to use the 32-bit ODBC Administrator at C:\Windows\SysWOW64\odbcad32.exe

Mail Settings

The mail setting can be critical. You will only ne able to use "localhost" if this server is in fact the authorative mail server for your users. Otherwise you should insert the full proper name for the mail server that is authorized to accept mail for your users, ie: "mail.yourSite.com".

Max File Size Allowed

If you are using an upload form you may need to adjust the upload allowance set on the server. On Windows Server 2003 you can adjust the AspMaxRequestEntityAllowed. Try a web search for instructions. On Windows Server 2008 the maximum allowed upload size is governed per web site and can be changed at Sites > yourSite.com > ASP > Limits Properties > Maximum Requesting Entity Body Limit. 1024000 is equal to 1 MB.

Administration

Separate links can are used for normal users and admin as the administrator requires the freedom to copy'n'paste and transverse all folders to check inventory etc. So admin can log in using the link **mySite/FileManager/login.asp** and explore using a normal web browser.

But your normal users should lo in using **mySite/FileManager/default.asp** so that they can then launch the ASPS Web Reader and log in while using the Web Reader.

NOTE: that logging into the user section using the admin log details will cause errors because it is designed to redirect the admin account and not use ASPS. So for testing normal user access within the PDF Manager you need to cerate a test account that does NOT have admin privileges.

Warranty

Please note that the PDF Manager is not part of the ASPS package. Like the CMS plugins for the use of our apps in WordPress, Joomla, Drupal, etc., it is provided as a free and optional resource for Windows installation and comes with no warranty or guarantee.