

Drumlin Security



Service Feature Comparisons

There is a comprehensive range of PDF Security and Digital Rights Management solutions and services available from Drumlin Security, all of which can be tailored to suit the particular requirements of individual customers. The table below provides a brief summary of the main service groups and their features (blank entries means not applicable). For more details please refer to the online and downloadable documentation sets and/or contact us via email: info@drumlinsecurity.com

IMPORTANT: Please see the notes provided at end of the table.

Service type	OFFLINE – Desktop, Laptop or Mobile Device				ONLINE – Web browser based (HTML5)	
	Standard DIY	Managed	Corporate/Pro ¹	Enterprise ²	Managed online	Enterprise online
Service features						
Device support						
PCs with Windows NT or later versions	✓	✓	✓	✓	✓	✓
Mac with OSX 10.6 or later	✓	✓	✓	✓	✓	✓
iPads with iOS 4.3 or later ³	✓	✓	✓	✓	✓	✓
iPhone 5 and later ⁴	✓	✓	✓	✓	✓	✓
Android devices, Android 2.3 or later (Android 4 or later is recommended)	✓	✓	✓	✓	✓	✓
Document support						
Type: PDF files, to v1.7	✓	✓	✓	✓	✓	✓
Pages (max recommended per document)	12500	12500	12500	12500	1000	1000
Mbytes (max recommended per document)	50	50	50	50	50	50

Service type	OFFLINE – Desktop, Laptop or Mobile Device				ONLINE – Web browser based (HTML5)	
	Standard DIY	Managed	Corporate/Pro ¹	Enterprise ²	Managed online	Enterprise online
Documents	Service-level based	Service-level based	Service-level based	unlimited	Service-level based	unlimited
Embedded content ⁵	✗	✗	✗	✗	✓	✓
Linked content	✓	✓	✓	✓	✓	✓
Hosting services						
DRM service	✓	✓	✓	✓	✓	✓
Secure PDF file and Catalog hosting	✓	✓	✓	✓	✓	✓
E-commerce (hosting, online and offline catalogs, payment processing, end user support)	✓	✓	✓	✓	✓	✓
Technical support	✓	✓	✓	✓	✓	✓
Software and service maintenance	✓	✓	✓	✓	✓	✓
Copyright protection						
Unauthorized viewing/sharing prevention	✓	✓	✓	✓	✓	✓
Text/image copying disabled	✓	✓	✓	✓	✓	✓
"Save as" not permitted	✓	✓	✓	✓	✓	✓
Editing not permitted	✓	✓	✓	✓	✓	✓
Screen capture protection ⁶	✓	✓	✓	✓	✗	✗
Static watermarking (screen and print)	✓	✓	✓	✓	✓	✓
Dynamic watermarking (screen/print)	✓	✓	✓	✓	✗	✗
Strong encryption/encapsulation	✓	✓	✓	✓	✗	✗
Username/password access control ⁷	✓	✓	✓	✓	✓	✓
Authorization code access control	✓	✓	✓	✓		
Permissioning-based access control ⁸	✓	✓	✓	✓	✓	✓
Offline authorization control ⁹	✓	✓	✓	✓		
Group access control	✓	✓	✓	✓	✓	✓

Service type	OFFLINE – Desktop, Laptop or Mobile Device				ONLINE – Web browser based (HTML5)	
	Standard DIY	Managed	Corporate/Pro ¹	Enterprise ²	Managed online	Enterprise online
Remove access from user ¹⁰	✓	✓	✓	✓	✓	✓
Remove document/user ¹¹	✓	✓	✓	✓	✓	✓
Disallow mobile devices ¹²	✓	✓	✓	✓	✓	✓
Secure offline document creation						
Single file conversion	✓	✓	✓	✓		
Multi-file conversion	✓	✓	✓	✓		
Batch file conversion	✓	✓	✓	✓		
Create drmz/drmx file	✓	✓	✓	✓		
Create drm file	✓	✓	✓	✓		
Create exe file (from drmx)	✓	✓	✓	✓		
Authorized Usage controls						
Date-based file expiry	✓	✓	✓	✓	✓	✓
Number of days viewed file expiry	✓	✓	✓	✓	✓	✓
Number of times file viewed expiry	✓	✓	✓	✓	x	x
Printing not permitted control	✓	✓	✓	✓	✓	✓
Printing permitted – strict control	✓	✓	✓	✓	x	x
Printing permitted – relaxed control	✓	✓	✓	✓	✓	✓
Print count control	✓	✓	✓	✓	x	x
Print pages count control	✓	✓	✓	✓	x	x
"Must be online" control ¹³	✓	✓	✓	✓	✓	✓
PDF support						

Service type	OFFLINE – Desktop, Laptop or Mobile Device				ONLINE – Web browser based (HTML5)	
	Standard DIY	Managed	Corporate/Pro ¹	Enterprise ²	Managed online	Enterprise online
Single page	✓	✓	✓	✓	✓	✓
Zoom – fixed step, selectable and region-based (marquee)	✓	✓	✓	✓	✓	✓
Continuous page ¹⁴	✓	✓	✓	✓	✓	✓
Two-page	✓	✓	✓	✓	✓	✓
Full screen mode ¹⁵	✓	✓	✓	✓	✓	✓
Vertical/Horizontal scrolling ¹⁶	✓	✓	✓	✓		
High quality font and image display, with excellent rendition of source files	✓	✓	✓	✓	✓	✓
Multiple language support (including non-Latin based languages) ¹⁷	✓	✓	✓	✓	✓	✓
Internal hyperlinks	✓	✓	✓	✓	✗	✗
External hyperlinks (explicit, not implicit)	✓	✓	✓	✓	✓	✓
Navigation trees and thumbnails, (Contents/Outlines/Bookmarks) ¹⁸	✓	✓	✓	✓	✓	✓
External application links	✓	✓	✓	✓	✗	✗
Markup – highlighting, drawing ¹⁹	✓	✓	✓	✓	✓	✓
Markup – notes/annotation ²⁰	✓	✓	✓	✓	✓	✓
Printer support						
Enable/disable printing	✓	✓	✓	✓	✓	✓
Page count control	✓	✓	✓	✓	✗	✗
Print count control	✓	✓	✓	✓	✗	✗
Prevention of printing to PDF/Image	✓	✓	✓	✓	✗	✗
Intelligent watermarking of print output	✓	✓	✓	✓	✗	✗
Auto-rotation for standard page sizes/orientations	✓	✓	✓	✓	✓	✓

Service type	OFFLINE – Desktop, Laptop or Mobile Device				ONLINE – Web browser based (HTML5)	
	Standard DIY	Managed	Corporate/Pro ¹	Enterprise ²	Managed online	Enterprise online
Administration – offline						
AdminApp service manager (Windows app)	✓	✓	✓	✓		
Username/password access	✓	✓	✓	✓		
Display for owned documents	✓	✓	✓	✓		
Display for all documents	✓	✓	✓	✓		
Authorization code creation	✓	✓	✓	✓		
License file creation (for offline authorization)	✗	✗	✓	✓		
License file tracking/management	✗	✗	✓	✓		
Registered user management	✗	✗	✓	✓		
Authorization code resetting	✓	✓	✓	✓		
Activity (usage) tracking	✓	✓	✓	✓		
Code usage tracking	✓	✓	✓	✓		
Document ownership re-assignment	✓	✓	✓	✓		
Customer Services staff version (restricted facilities)	✓	✓	✓	✓		
Permissioning facilities ²¹	✓	✓	✓	✓		
SQLServer DRM data access						
Selective SQL queries	✓	✓	✓	✓		
SQL Data extraction	✓	✓	✓	✓		
SQL-based reporting	✓	✓	✓	✓		
MS-Access based reporting and querying system	✓	✓	✓	✓		
Administration – online						
SLPW service manager (web based, php)						
User management (add/remove/edit/email)					✓	✓
Group management (define, assign users to Groups)					✓	✓

Service type	OFFLINE – Desktop, Laptop or Mobile Device				ONLINE – Web browser based (HTML5)	
Service features	Standard DIY	Managed	Corporate/Pro ¹	Enterprise ²	Managed online	Enterprise online
Usage logging/reporting					✓	✓
Guest registration					✓	✓
Plugin support (Ecommerce etc.)					✓	✓
MySQL DRM data access						
Selective SQL queries					✓	✓
SQL Data extraction					✓	✓
SQL-based reporting					✓	✓
PHP-based access control and reporting system					✓	✓
Communications support						
Browser-based access						
Flash-enabled browsers					✓	✓
HTML4					✓	✓
HTML5 (with auto-fallback to pure HTML)					✓	✓
Javelin PDF readers						
Free readers for PC, Mac, iPad, iPhone, Android	✓	✓	✓	✓		
Tailored/branded readers for all platforms	✓	✓	✓	✓		
http: port 80 native comms	✓	✓	✓	✓		
https: native comms ²²	✓	✓	✓	✓		
Built-in downloader	✓	✓	✓	✓		
Proxy server support ²³	✓	✓	✓	✓		

Notes

- ¹ Corporate/Pro edition includes the functionality of the standard edition (with offline authorization via authorization codes) plus device-based permissioning via license files and user/device registration. Initially this will be a Windows-specific option, with Mac support to follow. Corporate edition administrators can also disable specific documents and/or users, change licenses, specify user-specific watermarking and more...
- ² Enterprise solutions are bespoke, and may incorporate some or all of the many facilities available in all our offline and online products and services
- ³ Online (web browser based) access from mobile devices is possible with both HTML4 and HTML5 implementations, but these are less satisfactory than bespoke applications or offline display with the Javelin readers for iPad and Android
- ⁴ Online (web browser based) access from mobile devices is possible with both HTML4 and HTML5 implementations. A “universal” (iOS) version of Javelin for iPad and iPhones will be available on the App Store as soon as it has been approved by Apple – a bespoke version (branded) is already available
- ⁵ Embedded video content can be added to online PDFs for selected display formats
- ⁶ Screen capture protection is available for PC implementations and is no longer the recommended approach for protection against screen-scraping, especially in a cross-platform environment.
- ⁷ For offline working no username/password access is required. However this can be provided for initial file access prior to downloading to laptops/desktops. For online services username/password access is the norm. JavelinPro also supports a Password to Open facility, providing an additional level of security for files that have been authorized for use on a target device (PC)
- ⁸ Although authorization codes provide the default control mechanism for offline usage, Permissioning-based controls are available using the Corporate/Pro version (JavelinPro and the pro version of AdminApp) and on a bespoke project basis. A number of such facilities are available, including user/device-specific Permissioning for PCs and for iPads; user list Permissioning (for PCs with Drumlin registered users)
- ⁹ Non-DRM based authorization is available for Windows exe files created using Drumlin and the options for “no authorization” or “offline authorization”. The latter uses email address and a username value to generate an offline code that is entered as part of the standard Javelin authorization process.
- ¹⁰ See next note for more details – only applies to registered and permissioned users

¹¹ Removal of document access from user and remove user: for online services the user can be disabled or removed, or removed from a specified Group; for offline services removal of a user only applies to Drumlin registered users and to Permissioning-based users (Corporate/Pro edition and bespoke variants). A user-initiated "removal of authorization" facility is provided in Javelin (most platforms) and is logged to confirm completion of this process. This enables publishers to check whether a user has genuinely removed the document access from their device where it has previously been enabled.

¹² Disallow mobile devices: by specifying the file type, access by mobile devices can be prevented. For offline usage, secured files in Drumlin's .drmz format (as opposed to .drmz) cannot be viewed. For online service specifying files in Adobe Flash (.swf) format effectively removes access from mobile devices, as swf files are not supported on iOS or Android.

¹³ Applies to online services and to offline services as a bespoke option

¹⁴ Continuous page/Two page mode display: Javelin for Mac and Javelin for Android support a full range of display modes, selectable via display settings or toolbar icons; Javelin for Windows and Javelin for iPad are essentially single page, page mode display systems. Two-page display is not suitable for PDFs except on very large screens as in almost all cases it is unreadable, although it may be suitable for some picture-based publications on some screens.

¹⁵ Javelin for Windows and Javelin for Mac support full screen display mode with commands that allow digital projectors to be operated using local or remote controls for forward/backward movement. Ideal for trainers in classrooms/lecture theaters.

¹⁶ Most services and devices default to vertical scrolling. For iPads scrolling is horizontal and on Android devices a choice can be made between vertical or horizontal scrolling.

¹⁷ Multi-language support of the display application (as opposed to PDF content display) varies by platform although language-specific variants can be implemented on a bespoke basis for all platforms. Javelin for Windows includes English plus all the main Western European languages, together with Chinese (two variants), Japanese and Arabic. Language-specific installation kits can be provided (English, French and Arabic are available as standard).

¹⁸ Navigation trees, also referred to as Outlines, Contents lists or (by Adobe) Bookmarks, are supported as standard for offline services within Javelin readers (if provided in the source PDF). For online services this is only available for selected HTML5 implementations.

¹⁹ Markup: provided as standard on most versions of Javelin

²⁰ Annotations: provided as standard on all versions of Javelin

²¹ Permissioning facilities are available via direct access to the SQLServer using MSAccess and/or via the AdminApp (bespoke implementations only).

²² https: hosted files can be downloaded and used within Javelin readers – for mobile devices catalogs should be used to enable this – see the [knowledgebase](#) for details (search for https)

²³ Proxy server support is provided in Javelin for Windows and JavelinPro for Windows. This provides a basic support facility and may not support all proxy servers and similar setups. Users with proxy server/firewall access issues are recommended to ask their IT support teams to enable access to and from our DRM Service page: <http://www.drumlinsecurity.co.uk/Service.aspx> . Javelin and JavelinPro for Windows use only standard http: communications and standard port access, so operate in exactly the same manner as a web browser in this respect