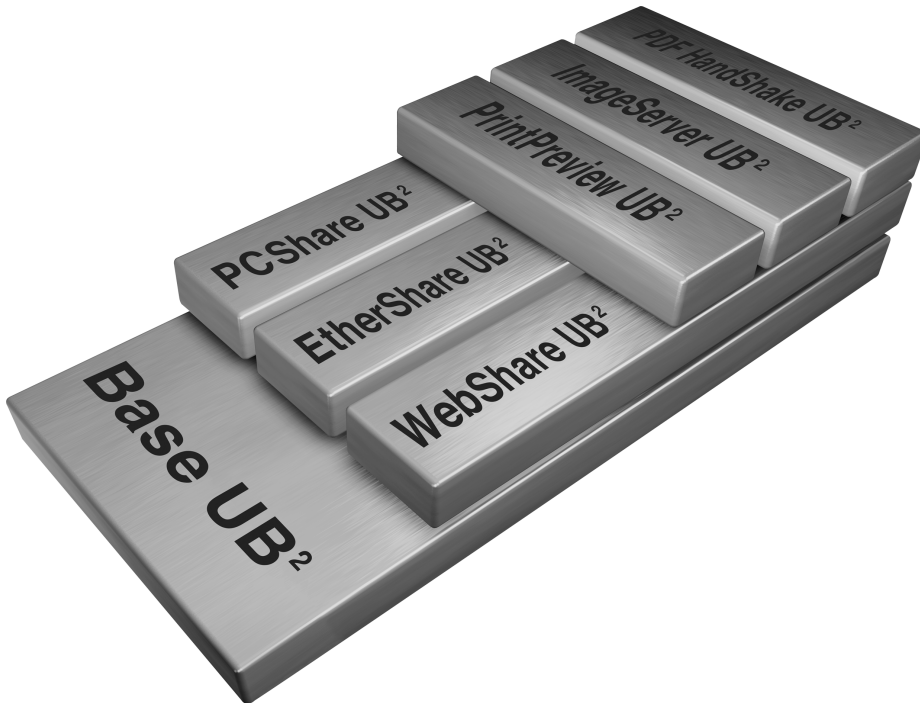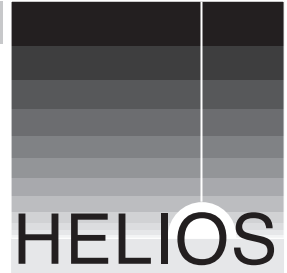# HELIOS Base UB2

Superior Server Foundation for all HELIOS Products

HELIOS

HELIOS Base UB2 is the innovative foundation used by all HELIOS UB2 products. It incorporates the advanced server technologies developed by HELIOS over many years. These core HELIOS technologies include the service controller, printing system, authentication server, remote administration, networking and imaging libraries, tools and more. HELIOS Base provides the foundation for all HELIOS products.

Ease of Use The concept of HELIOS Base is to make your server easy to use and manage. Installation, configuration, and updating are very straightforward. Even switching between supported platforms takes only minutes, and preserves all custom HELIOS settings.

Server Fail Safety HELIOS software is made for mission-critical environments. HELIOS Base adds another level of server fail safety. The HELIOS Service Controller starts, stops and monitors all HELIOS services. Separate processes per active user are generated, to enforce file security and ensure process safety. If any HELIOS service fails the HELIOS Service Controller will restart the service.

Smart Ideas for Better Networking.

Advanced Printing System provides the state-of-the-art HELIOS printing system to all other HELIOS products.

HELIOS Authentication Server supports LDAP, AD/PDC, NIS and local users. Even supports mixed setups, e.g. LDAP, AD/PDC and backup servers.

HELIOS mDNS Server ("Bonjour") enables automatic discovery of computers, devices, and services on networks.

HELIOS Index Server search system indexes file names, text, and metadata, for Spotlight compatible searches for file names and content. Allows system snapshots and backups while the file system is in use.

HELIOS DHCP Server provides TCP/IP configurations to Windows, Mac, and other network devices. Includes DHCP backup server capability. Dynamic DNS updates are also supported.

There is no extra cost for HELIOS Base.

Features & Benefits

Ease of Use
- Easy to install, administer, use
- Remote server administration from Mac, Windows and UNIX

Server Features
- Server fail safety via the HELIOS Service Controller. Automatic logging and restart of failed services
- Advanced printing system, "lpr"-based
- Authentication server with LDAP, AD/PDC, NIS and local user support
- SMTP messaging & mail tool
- Process auditing and tracing tools
- Unicode 16-bit character support
- Easy migration to other platforms
- DHCP main and backup server
- mDNS server ("Bonjour")
- Index Server for Spotlight searches
- CLI "dt" utilities (mv, rm, cp, ls,…)
- HELIOS update installer w/ rollback
- Server preferences repository
- ICC profiles repository
- HELIOS SDK available

Flexibility
- All major server platforms

System Requirements

Supported HELIOS Base Server

- One of the following server systems: Apple Mac OS X, Linux, Sun Solaris, IBM AIX
  Details: www.helios.de/platforms
- TCP/IP network connection, optional NFS, LDAP, AD/PDC, NIS, DNS, …

- 24 MB free RAM for HELIOS Base, additional memory will be used by caching and provides faster performance. Memory requirements for other products – see data sheets

Products using HELIOS Base UB2

- HELIOS EtherShare UB2
- HELIOS PCShare UB2
- HELIOS WebShare UB2
- HELIOS ImageServer UB2
- HELIOS PDF HandShake UB2
- HELIOS PrintPreview UB2

Product Highlights

Server Installation

- Fast, menu-driven installation, easy installation for system administrators
- Extensive documentation in printed, PDF, and online manuals

Server Administration

- Remote server administration from Mac OS X, Windows, and UNIX via HELIOS Admin over TCP/IP and HTTP
- Manages local users, volumes, printers, and server settings, TCP/IP access lists, logs, etc.
- Remote server file browsing & editing
- RSA 1024-bit encrypted passwords
- "srvutil" to manage services
- Open files tool
- Central start/stop HELIOS scripts
- CLI "dt" utilities for file management

Server Fail Safety

All services are managed and monitored by the HELIOS Service Controller.

- If a process fails, other processes are not affected
- Automatic reporting of problems
- Automatic service restart if required
- Allows third-party integration

HELIOS Update Installer

Each HELIOS file has a version number managed by our version control system

- Automatic download of updates
- Automatic installation of updates
- Option to roll back installed updates

Authentication Server

- Central server supports authentication of local host users, LDAP, NIS, and Windows AD/PDC users
- "authutil" tool to look up accounts and verify/change user passwords
- Optional script to allow/deny logins by user, service, TCP/IP, time, etc.

DHCP Server

Built-in DHCP server automatically distributes DNS, router, WINS and TCP/IP addresses to Windows and Mac clients. Use 2nd server as DHCP backup server.

HELIOS mDNS Server ("Bonjour")

- Supports multiple network interfaces
- Proxy for non-Bonjour devices
- Tools and API included

HELIOS Index Server

Indexes full text, file and image metadata, including XMP, IPTC and EXIF. Answers Spotlight compatible queries for file content and keyword values.

Server Auditing & Monitoring

Live monitoring and tracing of any HELIOS service and/or individual session, to isolate/identify problems. It complements network and system traces.

Unicode

All HELIOS services utilize Unicode

- Unicode UTF-8 is used for file names
- "uniconv" tool converts encodings
- All major encodings are supported
- HELIOS SDK to add/use encodings

Migration to other platforms

All installed HELIOS products and settings can be transferred to any supported platform. All server settings including volumes and printers are automatically re-created on the new system by transferring the HELIOS "var" folder.

Advanced Printing System

Large server sites require a superior printing system to manage their printing needs. The HELIOS printing system includes key features like custom spool directories, moving of jobs between queues, reprinting and archiving of jobs, full error feedback and control, etc. It is lpr/lpd compatible, supports PostScript, PDF and other jobs with many features:

- Error and hold queues for all queues to reprint and monitor the jobs done
- Print job accounting
- Remote LPR printers – LPR Bonjour
- 64-bit print jobs (no 2/4 GB limit)
- Printing via TCP/IP stream (socket)
- Print to disk including compression
- Time queue to specify printing times
- Balance queue for load balancing
- Clone queue for multiple workflows
- Print to AppleTalk PAP printers (requires EtherShare UB2)
- Print to Windows SMB/CIFS printers (requires PCShare UB2)
- Print to Create PDF queue (requires PDF HandShake UB2)
- Print to PDF bitmap proof queue (requires PrintPreview UB2)

A product from:

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Steinriede 3
30827 Garbsen
Hannover, Germany
Fax: +49-5131-709325

Internet: www.helios.de

More details on the HELIOS website: www.helios.de/web/EN/products/start.html
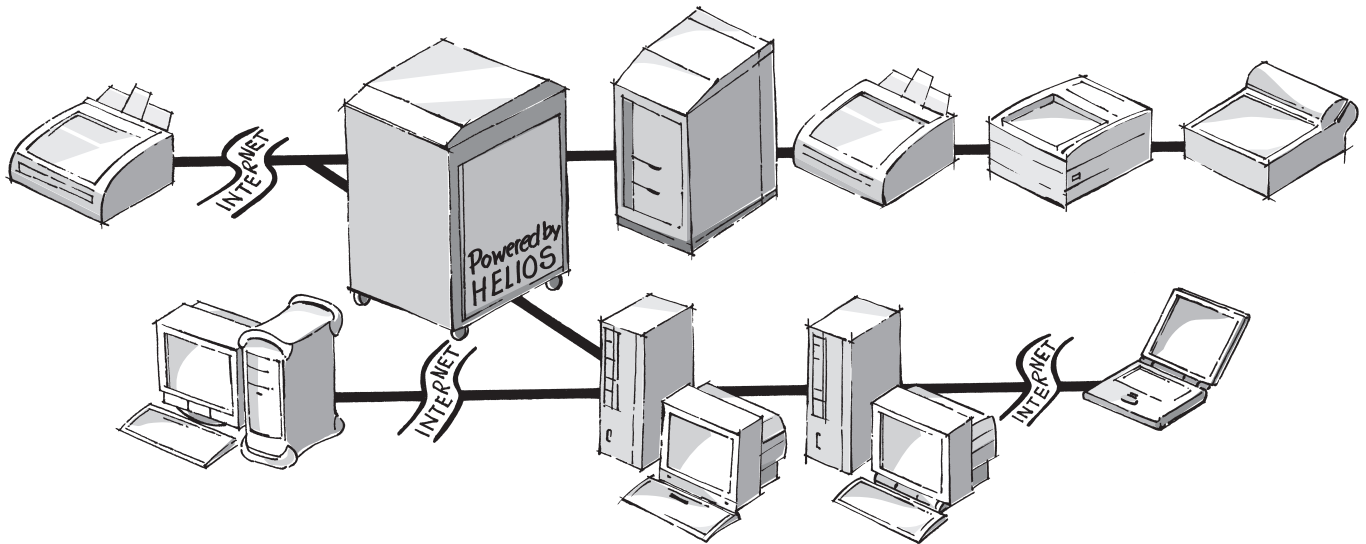
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Base UB2 for Windows

Advanced Print Services and HELIOS Server Foundation

HELIOS

HELIOS Base UB2 for Windows provides a state-of-the-art print server for Windows, and a foundation for all other HELIOS products. It is well known for its reliability, performance, and ease-of-use, and incorporates the advanced HELIOS server technologies. These core technologies include the service controller, printing system, remote administration, networking and imaging libraries, tools and more.

HELIOS Advanced Printing System
Provides a superior printing system to manage the printing needs of any size operation. It includes key features like custom spool directories, moving jobs between queues, reprinting and archiving jobs, error feedback and control, etc. It is "lpr/lpd" compatible, supports PostScript, PDF and other jobs. Its features are available to all network clients. Windows queues are integrated via a gateway to HELIOS queues. Mac clients benefit from faster printing via the HELIOS exclusive TCP Bonjour printer driver. Detailed print job accounting information is easily reviewed or exported.

Smart Ideas for Better Networking.

The advanced printing system is tightly integrated with ImageServer, PDF Hand-Shake, and PrintPreview to serve the widest range of prepress needs.

HELIOS mDNS Server ("Bonjour") enables automatic discovery of computers, devices, and services on IP networks without the need to enter IP addresses or configure DNS servers.

HELIOS Index Server search system indexes file names, text, and metadata, for Spotlight compatible searches for file names and content. Allows system snapshots and backups while the file system is in use.

Scalability is built-in, from small sites with only a few clients to enterprise sites with the most demanding requirements.

HELIOS supports a variety of server platforms with equal feature sets, identical administration, and the same release dates. This gives customers the flexibility to choose the right server for their needs, budgets, and future plans.

Features & Benefits

Ease of Use
- Easy to install, administer, use
- Remote server administration from Windows, Mac and UNIX

Print Server Features
- LPD/LPR compatible and CLI tools
- Job management via "drag and drop"
- Print spooler for Mac OS 9 & OS X clients, via PAP or TCP/IP
- Print spooler for Windows clients, gateway from Windows spoolers to HELIOS queues
- Flexible output options: Remote LPR, TCP/IP stream, Print to Disk, SMB/CIFS, AppleTalk PAP, Time Schedules, Job Balance, and Clone queues, with extensive print job logging and accounting
- Error and Hold/Reprint queues
- Create PDF option: PDF HandShake
- Proofing option: PrintPreview

Server Features
- Process auditing and tracing tools
- UNIX "dt" CLI tools (mv, rm, cp, ls,…)

Flexibility
- All major Windows platforms
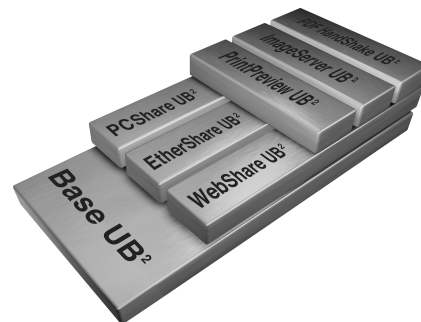
System Requirements

HELIOS Base Server

- One of the following server systems: Windows Server 2000/ 2003/2008, Test Drive works on XP or newer Details: www.helios.de/platforms
- 64 MB RAM; 4 MB per active client
- Perl 5.8.x (www.activestate.com)

- TCP/IP network connection, optional AppleTalk via Windows 2000/2003
- Optional: Java for HELIOS Admin

Clients

- Windows with SMB/CIFS
- Mac OS 8.1-10.7
- UNIX with Remote LPR

Product Highlights

Server Installation

- Fast, menu-driven installation, easy installation for system administrators
- Extensive documentation in printed, PDF, and online manuals

Server Administration

- Remote server administration from Windows, Mac, and UNIX via HELIOS Admin over TCP/IP and HTTP
- Manages printers, server settings, TCP/IP access lists, logs, etc.
- Remote server file browsing & editing
- RSA 1024-bit encrypted passwords
- HELIOS Services, "srvutil" front end to manage different services
- Central start/stop HELIOS scripts, location for additional custom scripts
- UNIX compatible "dt" CLI tools for file management (mv, rm, cp, ls,…)
- "authutil" tool to look up accounts and verify passwords, users and groups

Server Fail Safety

All HELIOS services run as separate processes per job or session, with corresponding user permissions.
All services are managed and monitored by the HELIOS Service Controller.

- Automatic reporting of problems
- Automatic service restart if required
- If a process fails, other processes are not affected
- Allows easy integration of third-party services and scripts
- Integrated into Windows Services

HELIOS Advanced Printing System

Supports PostScript, PDF and other jobs, with many features:

- "lpr/lpd" compatible
- Error and hold queues for all queues to reprint and monitor the jobs done
- Print job accounting
- Remote LPR printers
- 64-bit jobs, no 2 GB job size limit
- Printing via TCP/IP stream (socket)
- Print to disk including compression
- Time queue to specify printing times
- Balance queue for load balancing
- Clone queue for multiple workflows
- Print to Windows SMB/CIFS printers
- Print to AppleTalk PAP printers (requires Windows Server 2000/2003)
- Print to Create PDF queue (requires PDF HandShake UB2)
- Print to PDF bitmap proof queue (requires PrintPreview UB2)

HELIOS Index Server

Indexes full text, file and image meta-data, including XMP, IPTC and EXIF. Answers Spotlight compatible queries for file content and keyword values.

Server Auditing & Monitoring

Live monitoring and tracing of the internal activity of any HELIOS service and/or individual session. This allows looking into a process to isolate/identify problems. It complements network and system call tracing.

Excellent Windows Integration

- Windows local and AD/PDC users, groups and passwords are supported
- Enforced security, sessions run as authenticated user
- Windows Services panel for HELIOS
- Windows Unicode/UTF-8 support
- Windows Shares are supported
- Windows ACLs permissions support
- Windows 32-bit and 64-bit support
- Windows event logging support
- Windows printer to HELIOS gateway
- Windows NTFS file event driver for optional Script Server "hot folder" workflows via ImageServer UB2

HELIOS mDNS Server ("Bonjour")

- Supports multiple network interfaces
- Proxy for non-Bonjour devices
- Tools and API included

Migration to other platforms

All installed HELIOS products and settings can be transferred to any supported platform.

Flexible Licensing Scheme

The server license is tied to a specific machine and a certain number of users. 5 or 20 user server base licenses are available. User expansions are available in steps of additional 10 or 100 users. Optional maintenance agreements: Internet Updates, Software Upgrade Service, cold spare licenses.
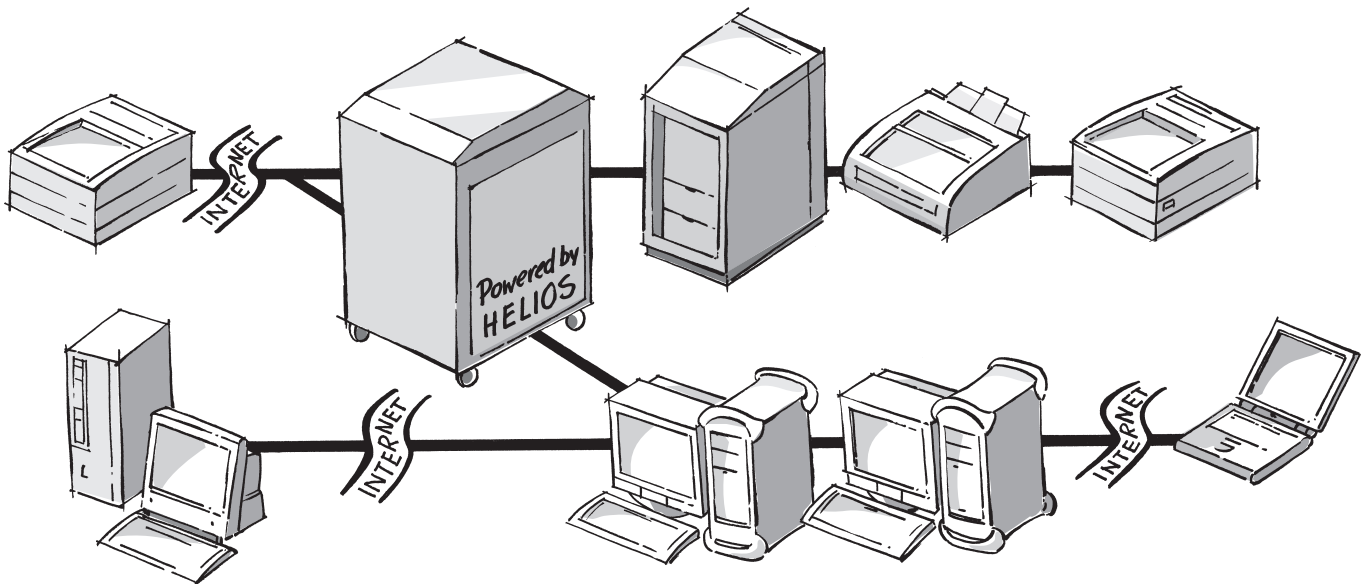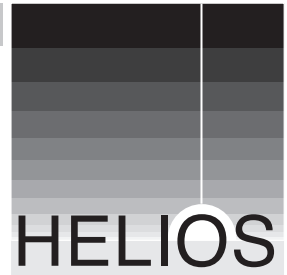
A product from:

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Internet: www.helios.de

More details on the HELIOS website: www.helios.de/web/EN/products/start.html

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EtherShare UB2

Highest-Performance Server for Mac Clients

HELIOS

HELIOS EtherShare UB2 allows easy integration of powerful servers into Mac networks. It provides an extremely fast, reliable, feature-rich Apple compatible file and print server to unlock UNIX performance for Mac clients. It is well known for its reliability, performance, and ease-of-use.

Mac OS X and AFP 3.3 Support ensures full compatibility with Apple standards, including support of Spotlight searches and Time Machine backups. It works with any Mac out of the box, without the need to train users. EtherShare installs on the server in minutes. All further management is done remotely via HELIOS Admin with an easy to use GUI interface. It is simple to configure users, groups, volumes, print spoolers, server settings, log files, etc. EtherShare offers impressive file and print services with easy remote administration, Spotlight searches for file names, text, and meta-data, and the ability to save Time Machine backups to the server.

The TCP/IP based file server can fully utilize faster networks like Gigabit or 10 Gigabit Ethernet.

TCP/IP Print Spooling via the Ether-Share exclusive TCP printer drivers supports mDNS ("Bonjour") for easy printer selection on Mac OS X clients, with automatic setup of the PPD. Detailed print job accounting information is easily reviewed or exported to other programs.

Authentication via LDAP, AD/PDC, NIS and local server users is fully supported by the HELIOS Authentication server included in HELIOS Base.

EtherShare Scales well from small sites with only a few Macs to enterprise sites with the most demanding requirements, and always remains easy to administer. EtherShare is tightly integrated with ImageServer, PDF Hand-Shake, and PrintPreview to serve the widest range of prepress needs. Add PCShare and WebShare for a true cross-platform solution.

HELIOS supports a variety of server platforms with equal feature sets, identical administration, and same release dates. This gives customers the flexibility to choose the right server for their needs, budgets, and future plans.

Smart Ideas for Better Networking.

Features & Benefits

Ease of Use
■ Easy to install, administer, use
■ No client installation necessary
■ Remote server administration from Mac, Windows and UNIX

Server Features
■ AFP 3.3 File Server
■ Time Machine backup support
■ Full AFP File & Directory ID support
■ Spotlight search support
■ Print spooler for PAP & TCP/IP
■ Shared volume compatibility with PCShare and WebShare

Client Support
■ Mac OS 8.1–10.7
■ Bonjour TCP printer drivers

HELIOS Base Features
■ Advanced printing system
■ Authentication server
■ CLI "dt" utilities (mv, rm, cp, ls,…)
■ Unicode/UTF-8 file representation
■ Index Server for Spotlight indexing

Flexibility
■ All major server platforms

System Requirements

EtherShare Server
- One of the following server systems: Apple Mac OS X, Linux, Sun Solaris, IBM AIX
  Details: www.helios.de/platforms
- 16 MB RAM; 4 MB per active client
- At least one network adapter

Mac Clients
- Mac with OS 8.1-10.7

- Optional HELIOS PCShare integrates Windows clients, WebShare allows web-based server access.

Product Highlights

Server Installation
- Fast, menu-driven installation, easy installation for system administrators

Client Installation
- No special drivers for file & print services required
- Optional TCP Bonjour printer driver

Server Administration
- Remote server administration from Mac OS X, Windows, and UNIX via HELIOS Admin
- Manages users, groups, volumes and printers, server settings and logs
- System & printer administrator groups
- Volume and printer sharing
- Server auditing/monitoring support
- TCP/IP access lists management
- Manage spool queues with "drag & drop" ease
- Handle printer accounting data
- Manage detailed accounting information including fonts used, pages, etc.

HELIOS "dt" Utilities
Mac files are handled properly with "dt" enhanced file commands including rm, mv, cp, set, ls, mkdir, touch, chmod, chown, chgrp, etc. This allows powerful scripted workflows to support Mac data and resources as well as additional Windows file streams.

Time Machine backup support
Time Machine backups to EtherShare volumes are supported. The "HELIOS TM Image Builder" and "HELIOS TM Browser" utilities offer customized backup disk images and backup status monitoring.

File Services
EtherShare supports AFP privileges, fast "Find File", Alias, etc. All server disk space including NFS volumes, DVD, etc. can be re-shared. Mac files are stored in a way that Mac, Windows, and UNIX can fully share documents. Extremely fast: using 1 Gigabit Ethernet yields over 80 MByte/sec to Mac clients; more than 600 MByte/sec sustained total server throughput.
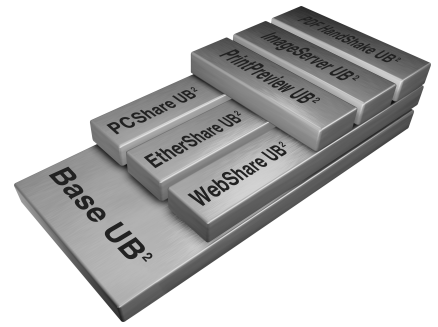
Server Features
- AFP 3.3 compatible for Mac OS X clients including long file name support, large file support, server reconnect and sleep-wakeup support, and full UNIX permissions
- TCP/IP & AppleTalk PAP print spooler
- TCP/IP printer drivers for Mac OS X with Bonjour printer discovery
- TCP/IP printer drivers for Mac OS 8/9
- User authentication for local host users, LDAP, NIS, and AD/PDC users via included authentication server
- Desktop database for super fast "Find File" and Mac file ID support
- Smart permissions to automatically inherit permissions from parent folder
- Full Mac OS 8/9 client compatibility
- Windows NTFS file stream support handles streams for copy/move, etc.
- UTF-8 Unicode volumes allow the same file names for UNIX, Windows, Mac and Web clients
- Quota support
- Additional EtherShare network tools help to analyze and troubleshoot the network: HELIOS LanTest, HELIOS File System Test, Xtar, etc.

Advanced Printing System
HELIOS Base provides the state-of-the-art HELIOS printing system to all other HELIOS products. See details in Base data sheet. EtherShare offers powerful printing services with flexible, remote queue management. Support of PPD files per spool queue allows exploiting special printer features. EtherShare accepts text, PostScript, and raw print jobs.
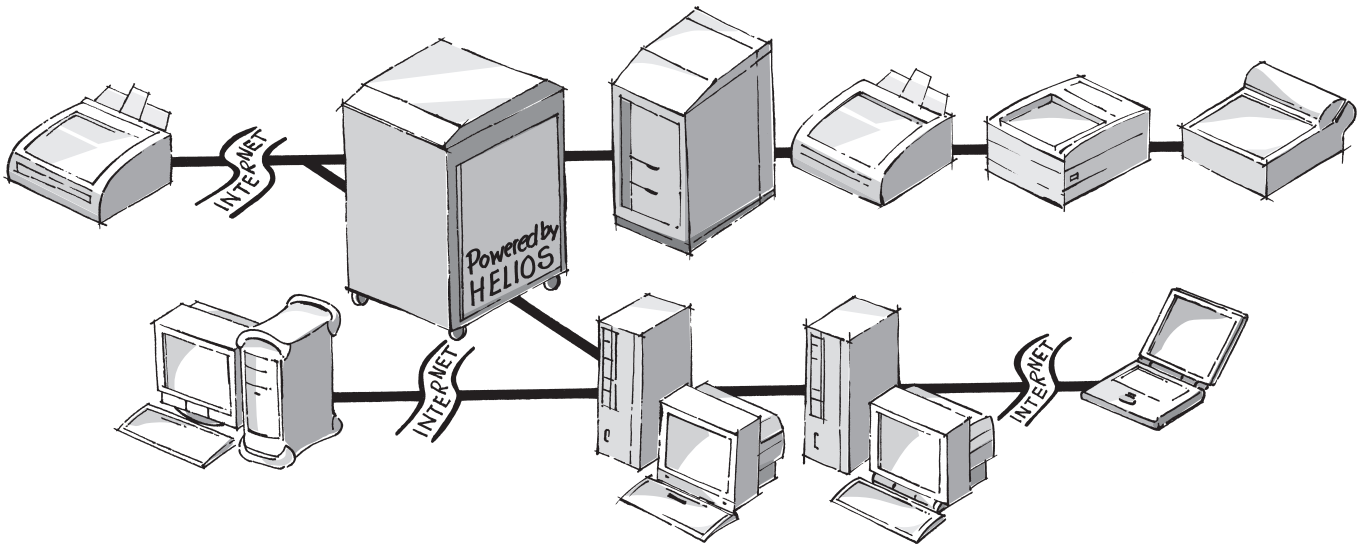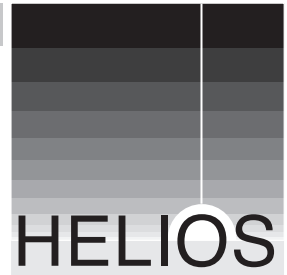
Optional Printing Features
Create PDF Server automatically creates PDF files from each print job. PrintPreview produces a PDF bitmap proof of every print job. PDF separation printing & OPI image replacement.

Flexible Licensing Scheme
The server license is tied to a specific machine and a certain number of users. 5 or 20 user server base licenses are available. EtherShare user expansions are available in steps of addl. 10 or 100 users. Optional maintenance agreements: Internet Updates, Software Upgrade Service, cold spare licenses.

More details on the HELIOS website: www.helios.de/web/EN/products/start.html

Your HELIOS partner:

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PCShare UB2
Highest-Performance Server for Windows Clients

HELIOS

HELIOS PCShare UB2 allows easy integration of powerful servers into Windows networks. It provides an extremely fast, reliable, feature-rich Windows compatible file and print server to unlock UNIX performance for Windows clients. It is well known for its reliability, performance, and ease-of-use.

Windows SMB/CIFS support ensures full compatibility with standard Windows programs, including multi-user applications, and excels in ease of use. Sharing files and printers is simple and straightforward because there is no additional software necessary for Windows clients. Windows NTFS Unicode and file streams support ensures compatibility with modern Windows applications. Mac meta data is accessible via SFM compatible streams. UNIX permissions and quotas are fully supported.

Windows Explorer Extensions allow managing UNIX file and folder permissions from the client. The HELIOS Meta extension enables adding, editing and viewing comments and color labels of files on HELIOS volumes or local disks. This data also is visible to Mac and

WebShare clients. Fast Spotlight compatible searches finds file names, text content and metadata in PCShare volumes within seconds, via the HELIOS Index Server.

HELIOS Admin supports easy setup of users, groups, volumes, printers and server settings from Windows, Mac, or UNIX/Linux clients.

Authentication via LDAP, AD/PDC, NIS and local server users is fully supported by the HELIOS authentication server included in HELIOS Base.

PCShare scales well from small sites with only a few Windows clients to enterprise sites. Optional EtherShare and WebShare yield a true cross-platform solution. PCShare is tightly integrated with PDF HandShake, ImageServer and PrintPreview to serve the widest range of prepress needs. HELIOS supports a variety of server platforms with equal feature sets, identical administration, and same release dates. This gives customers the flexibility to choose the right server for their needs budgets, and future plans.

Features & Benefits

Ease of Use
■ Easy to install, administer, use
■ No client installation necessary
■ Remote server administration from Windows, Mac, and UNIX

Server Features
■ Windows compatible file and print server (SMB/CIFS)
■ Windows file streams support
■ Printing to local PC printer
■ Printing to EtherShare "lpr" queues
■ EtherShare volume compatibility

Client Support
■ Windows 7, Vista, XP, 2000, NT, etc.
■ Spotlight search via Explorer or tool
■ Set UNIX permissions via Explorer

HELIOS Base Features
■ Advanced printing system
■ Authentication server
■ Unicode/UTF-8 file representation
■ CLI "dt" utilities (mv, rm, cp, ls, …)
■ Index Server for Spotlight indexing

Flexibility
■ All major server platforms

Smart Ideas for Better Networking.

System Requirements

PCShare Server
- One of the following server systems: Apple Mac OS X, Linux, Sun Solaris, IBM AIX
  Details: www.helios.de/platforms
- 16 MB RAM; 4 MB per active client
- At least one network adapter

Windows Clients
- Windows 7, 2008, Vista, NT 4, 2000, XP, 2003
- Windows 95, 98, ME
- PCShare client for DOS & Win 3.1x
- Optional HELIOS EtherShare integrates Mac clients. WebShare allows web-based server access

Product Highlights

Server Installation
- Fast, menu-driven installation, easy installation for system administrators

Client Installation on Windows
- No installation necessary because PCShare is compatible with the Windows built-in networking software
- Installer for HELIOS extensions to Windows Explorer for Spotlight file searches, and setting file permissions, color labels, and comments via the file properties dialog

Server Administration
- Remote server administration from Windows, Mac, and UNIX via HELIOS Admin
- Manages users, groups, volumes and printers, server settings and logs
- System & printer administrator groups
- Share volumes and printers
- Define DHCP server configuration
- Server auditing/monitoring support
- Additional WINS server or client configuration, workgroup/domain name and server name configuration
- TCP/IP access lists management.

Security Options
PCShare supports TCP/IP access lists to deny or allow networks and/or nodes to access the server. Custom TCP/IP access lists per volume. Secure NTLMv2 authentication is supported.

File Services
PCShare offers extremely fast file services. Due to its great performance PCShare allows hundreds of PCs to work on a server. All server disk space including NFS volumes, DVD, etc. can be used for re-sharing. Server directories appear as Windows drives.

Spotlight compatible search uses the HELIOS Index Server to search for file names, text content, and metadata in seconds, even in very large volumes.
- Windows Explorer context menu
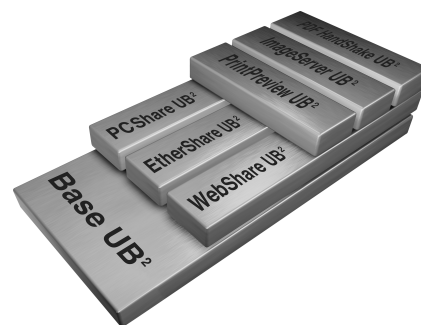- "Find file" tool on server and client

Server Features
- SMB/CIFS server offers Windows compatible file and printer sharing
- User authentication for local host users, LDAP, NIS, and Windows AD/PDC users via included authentication server in HELIOS Base
- Full file and record locking support
- Advanced file caching support using "oplocks"
- Windows NTFS file stream support
- Windows file/directory attributes: Creation date, Hidden, System, Read-only and Archive are supported
- UNIX permissions support
- Quota support
- Unicode volumes store all file names in 16-bit Unicode/UTF8 format. This allows the same file names to be used from UNIX, Windows, Mac and Web clients, including special characters.

- Automatic name services routing between multiple network ports
- WINS client, server and WINS proxy

Print Services
PCShare allows printing to Windows local printers and to server connected printers, as well as to all EtherShare queues. PostScript and "raw" printing is supported.

DHCP Support
PCShare clients can automatically receive DNS, router, WINS and client TCP/IP addresses from the HELIOS DHCP server included in HELIOS Base.
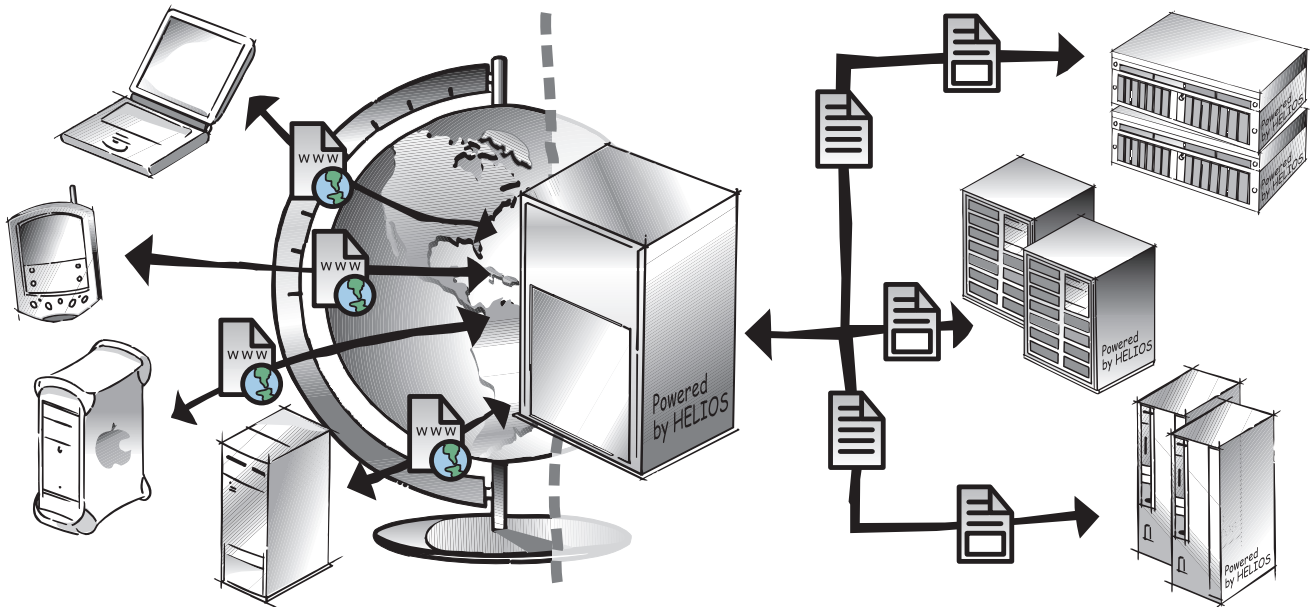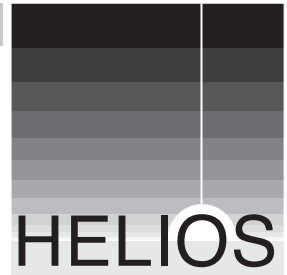
HELIOS Base benefits
The PCShare file server uses HELIOS Base, which provides these core HELIOS technologies: Server fail safety, Unicode support, networking, and more.

Flexible Licensing Scheme
The server license is tied to a specific machine and a certain number of concurrent users. There is a 5 or 20 user server base license available. PCShare user expansions are available in steps of additional 10 or 100 users. Optional maintenance agreements are available: Internet Update Access, Software Upgrade Service Agreement, cold spare licenses.

A product from:

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Internet: www.helios.de

More details on the HELIOS website: www.helios.de/web/EN/products/start.html

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WebShare UB2

Highest-Performance Server for Real Time Remote File Access

HELIOS

HELIOS WebShare UB2 enables fast and secure real time remote file access via any web browser. Now authorized users can easily use your file server wherever they are, without exposing the server to the Internet. Working with files remotely has never been easier.

Easy Remote File Access by custom-ers, suppliers, business partners or employees will eliminate the need to make files available via e-mail, burning CDs, or FTP, which often cause com-patibility problems and waste resources. Automatic e-mail notification allows monitoring when files are being accessed. The easy to use web interface means no user training is required.

High Security is provided by a two-tier server application. The WebShare web server handles the web user interface on a separate server to ensure that the main file server is not available on the Internet. The server file system security is enforced according to the user creden-tials. Sharepoint based security allows further restrictions per user, e.g.: browse, preview, download, upload and file management.

Remote Collaboration becomes a reality with the fully automated two-way access to the server data. File browsing and management allow authorized users to manage files and folders remotely, similar to the local Windows Explorer or Mac Finder. Spotlight compatible searches for file names and content speed file access. Versatile views show scalable previews of images, PDFs, and Office documents. The PrintPreview option enables image and PDF proofing and annotations of images and PDF, Office, and optionally QuarkXPress and InDesign documents.

WebShare Manager syncs files between the WebShare sharepoint and Mac and Windows clients, includes drag & drop file transfer support.

Fastest Performance HELIOS Web-Share is highly optimized for secure remote file access and provides several times faster download and browsing performance compared with FTP, WebDAV, AFP, and SMB/CIFS volumes mounted via the Internet.

Features & Benefits

Ease of Use
- Easy to install, administer, use
- All major web clients supported

Server Features
- Two-tier server application
- Sharepoints with custom permissions
- Spotlight search support
- RSA crypted login & HTTPS support
- Brandings, personalized GUI per user
- Custom "Action Scripts" & Forms

Remote File Access
- Browse files and directories
- Download and upload files/folders
- On-the-fly Mac/Win Zip compression
- File management: permissions, copy, rename, delete files and folders

Remote File Preview (*optional)
- Acrobat PDF documents
- All major image formats
- Office documents (via Tool Server)
- QuarkXPress Mac/Win documents*
- Adobe InDesign Mac/Win previews*
- ICC color proofing*

Flexibility
- All major server platforms

Smart Ideas for Better Networking.

System Requirements

WebShare File Server
- One of the following server systems: Apple Mac OS X, Linux, Sun Solaris, IBM AIX, Windows
  Details: www.helios.de/platforms
- 32 MB RAM; 10 MB per active client
- Licensed per WebShare File Server
- Optional: Microsoft Office

WebShare Web Server
- Java 1.4.x or newer runtime
- Any HELIOS supported server system
- WebShare Web Server will handle multiple WebShare File Servers

Web Clients
- Windows, Mac, UNIX, iPhone/iPad clients (all major web browsers)

Product Highlights

Server Installation
- Fast, menu-driven installation, easy installation for system administrators
- Web based administration

Client Installation
- Uses standard HTML web browsers, Java, JavaScript and Frames are not required

WebShare File Server
- Native program running on file server
- Supports Windows NTFS and UNIX Unicode/UTF-8 file systems
- File system security is enforced according to the user permissions, due to separate processes running with user credentials
- User authentication for local host users, LDAP, NIS, and Windows AD/PDC users via included authentication server in HELIOS Base
- Virtual users/names are supported
- E-mail notification on activity
- TCP/IP security options, access lists
- Custom scripts with HTML forms
- E-Mail memo support included
- Priority/privileged user file transfer
- HELIOS Index Server search system
- Detailed accounting audit trail
- Shared file comments (Web/Mac/PC)

WebShare Web Server
- Java program running on server with Internet connection
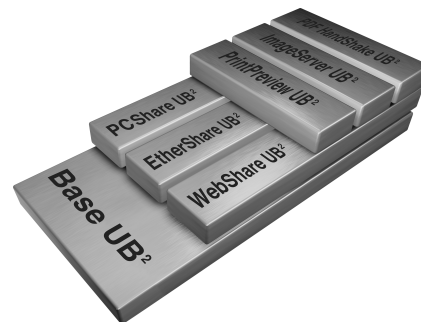- Customizable user interface via built-in GUI-based branding editor

- Multiple language support
- WebShare web server uses one dedicated TCP/IP port for all web clients. (Optional firewall possible)
- No external CGI-programs used
- No data files are stored or cached on WebShare web server
- URL-based login parameters
- SSL content encryption is supported
- RSA 1024-bit encrypted passwords
- Utilizes Apple WebObjects technology
- Security white paper: www.helios.de/WS/security.html

WebShare File Server Tools
- "zipstream" generates on-the-fly Zip files compatible with Mac and Windows file formats
- WebShare Perl scripts Allow customization and auditing of web user actions, e.g.: login, download, upload, rename, duplicate, delete and copy files and folders
- Icon Collector tools for Mac/Win

WebShare Sharepoints
- Specify shared directories
- Users and groups are assigned to sharepoints
- Specify available options: browse, preview, download, upload, and file management (delete, copy, rename, move, create folders, etc.)
- Performance white paper: www.helios.de/WS/speed.html

Remote Zoomable Previews
- Individual and gallery views, spreads
- Image previews of TIFF, EPS, JPEG, JPEG2000, PSD, PNG, JBIG2, ...
- PDF document previews
- Office document previews (Word/Excel/Powerpoint), via Tool Server. Requires Microsoft Office 2007 or 2010 on Windows, or Office 2011 on Mac (not included).
- URL based image access and API
- Optional with ImageServer UB2: Previews of QuarkXPress and Adobe InDesign documents for Windows and Mac. Access to the original documents, applications, images, fonts, etc. is not needed.
- Optional with PrintPreview UB2: ICC color proofs of images and PDFs. Hierarchical annotations, & color info

HELIOS Base benefits
The WebShare File Server and the WebShare Web Server use HELIOS Base, which provides these core HELIOS technologies: Server fail safety, Unicode support, networking, and more.

Flexible Licensing Scheme
The WebShare File Server license is tied to a file server machine and a certain number of users. There is a 10 user server base license available. Expansions are available in steps of addl. 10, 100 or unlimited users. Optional maintenance agreements: Software Upgrade Service, cold spare licenses.

A product from:

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Steinriede 3
30827 Garbsen
Hannover, Germany
Fax: +49-5131-709325

Internet: www.helios.de

More details on the HELIOS website: www.helios.de/web/EN/products/start.html
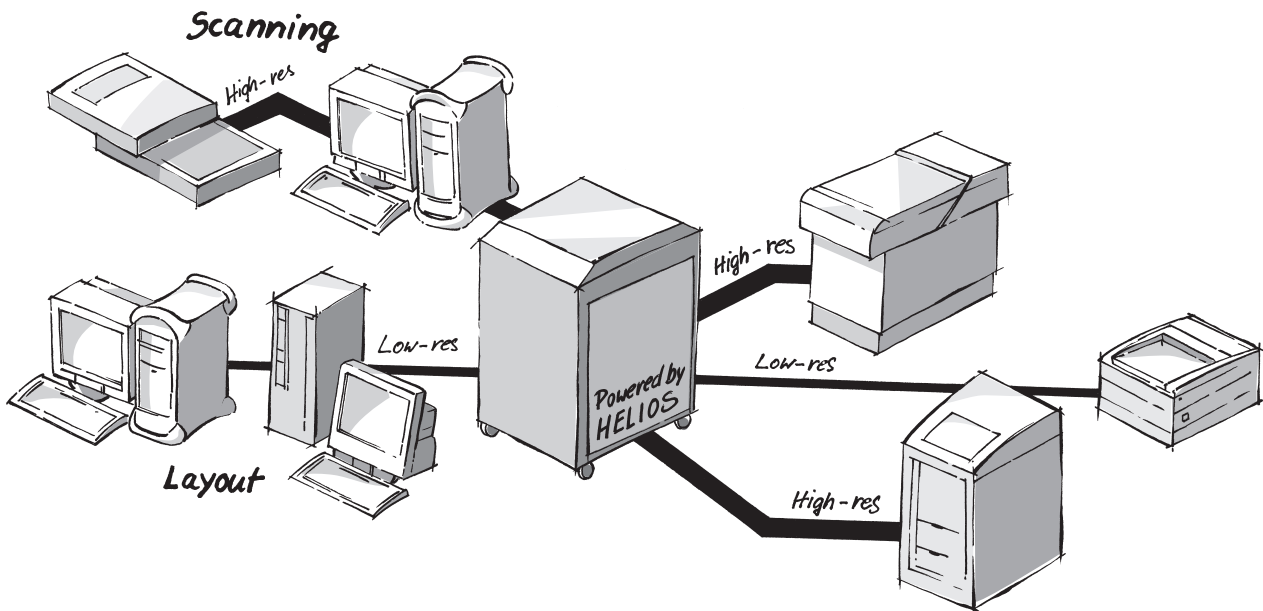
Your HELIOS partner:

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ImageServer UB2

Server-based Image Processing and ICC Color Transformation

HELIOS

HELIOS ImageServer UB2 is a server-based image conversion, color transformation and OPI image replacement solution, with integrated process and workflow automation. All major image formats and color spaces as well as XMP, EXIF, clipping path and ICC meta data are supported. Tasks can be automated via "hot folders", CLI tools, and OPI image repurposing. It is designed to shift very CPU-intensive image processing tasks from desktops to servers.

Image Conversion between any supported file format, resolution, compression and color space. ICC profiles can be tagged and/or applied. All image information can be retrieved. ICC/XMP/Path meta data can be imported and exported. Image resolution and sizes can be changed in existing files. Web preview generation with customizable x/y pixel resolution of images or XPress/InDesign documents are supported. Images with a clipping path can be converted to transparent PNGs.

Hot Folder Automation via "Script Server" and "Tool Server" integrates and automates server and client applications.

Smart Ideas for Better Networking.

Server-based Color Management Using ICC profiles, ImageServer can keep the original high-res images in RGB, Lab, or CMYK color space on the server and repurpose them for different conversion and printing needs. ICC profiles are applied on-the-fly for excellent image conversion, color matched proofs and composite or separated printing. Support throughout for 16-bits per channel. ImageServer also supports ICC v4 profiles, as well as DeviceLink profiles and Black Point Compensation.

OPI Support automatically creates a low-res image of all supported file formats for placement in any layout application. It replaces layout images on-the-fly with optimized high-res images during output. Remote users can be provided with layout images and return complete pages for final output. More benefits: www.helios.de/opibenefits

HELIOS PDF HandShake adds PDF file format support. HELIOS PrintPreview adds PS/EPS vector conversion support. WebShare allows web-based remote OPI, image and document previews.

Features & Benefits

Ease of Use
■ Remote server administration from Mac, Windows and UNIX

Image Features
■ Extensive image conversion options
■ File formats: TIFF, PNG, JPEG, PSD, JPEG2000, EPS, DCS, RAW, DNG, PDF, InDesign & XPress via XPV …
■ Color spaces: Lab, RGB, CMYK, …
■ Reads/writes 16-bit/channel images
■ Compressions: Zip, JPEG, G3/4, …
■ Meta data: XMP, Paths, EXIF, ICC

Color Management
■ Server-based ICC 4 color separation, proof matching, and conversion

Script Server and Tool Server
See the separate data sheet

OPI Image Repurposing
■ On-the-fly OPI image replacement
■ Automatic layout file creation after file has been saved on server (no polling)

Cross-Platform Client Support
■ Mac, Windows, UNIX clients

System Requirements

HELIOS ImageServer

- 64 MB RAM in total, 8 MB per active image conversion/print device
- EtherShare UB2 for Mac clients, or PCShare UB2 for Windows clients, or WebShare UB2 for web clients
- Workstation to place and print OPI layout images to the HELIOS spooler
- OPI-compatible applications like XPress and InDesign, etc.
- Any non-OPI-compatible software that can place and print EPS files
- Optional WebShare for remote OPI and image/document previews, PDF HandShake to support PDFs, PrintPreview adds PS/EPS vector conversion support

Product Highlights

Complete Cross-Platform Solution
ImageServer supports Mac, Windows and UNIX-based layout workstations, for true cross-platform functionality.

Integration with HELIOS Products
The HELIOS Admin program can handle all configurations. EtherShare, PCShare and WebShare inform the OPI and Script Server about any events in their directories so that proper actions can be taken.

Script Server & Tool Server
See the separate data sheet.

Server Image Conversion Features
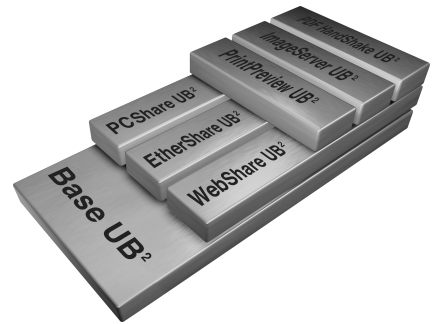Powerful image conversion tools

- Over 100 professional image conversion options handle spot colors, alpha channels, clipping masks, ICC profiles, XMP, etc. Allows converting on-the-fly between any supported file format, color space, compression and resolution, including ICC transformations/tagging.
- Web browser optimized PNG images, true color with automatic clipping mask/alpha in any specified pixel/resolution
- Previews of XPress & InDesign documents (Mac/Win) via web or tools
- Image preview and conversion support for PSD/TIFF/PNG images with a transparent background
- PDF as image file format for archiving, OPI, image conversion

Supported File Formats

- File formats: TIFF, EPSF, DCS1&2, PNG, JPEG, JPEG2000, Photoshop, BMP, JBIG2, PICT, Scitex-CT, RAW, DNG, PDF as image, PDF vector (PDF HandShake option)
- DCS files are merged into composite
- Color Spaces: Line art, Grayscale, CIE Lab, XYZ, RGB, CMYK, Indexed, Multitone, and Spot
- Compressions: Zip, JPEG, Compress, JPEG2000, CCITT-G3/4, etc.
- Bit depth: up to 16-bits per channel
- Support for down- & upsampling, cropping, rotate, and flipping
- Clipping paths and alpha channels can be enabled or ignored
- Spotlight full text searches of InDesign/XPress documents via XPV

ICC Color Matching/Separation
ImageServer includes the Heidelberg CMM for fast, accurate ICC color space transforms. Color matching is applied for layout generation, color proof printing, final output and image conversion. High-res raster or PDF images are automatically color matched on-the-fly to CMYK separations, to RGB, or to CIE Lab. ImageServer recognizes embedded ICC profiles or references in high-res images. Tools to embed ICC are included. ICC version 4 compliant, with support for DeviceLink and Grayscale ICC profiles, and BPC (Black Point Compensation).

OPI & Image Repurposing Features

- OPI standards 1.3 and 2.0
- Support of Omit EPSF & TIFF
- XMP and multiple paths supported
- XPress colorized images are supported via HELIOS OPI TuneUp XT Mac/Win
- DeviceN composite output support for TIFF, PSD, DCS2 & colorized images
- ICC support for printing, proof, etc.
- Automatic low-res file generation
- Flexible low-res Image options TIFF, EPSF, JPEG, or PNG low-res with any desired resolution and color
- PDF-native OPI option supports InDesign PDF export

As soon as image files are created or changed on the server by EtherShare, PCShare or WebShare clients, layout files are generated. OPI low-res file creation can be turned on for the entire volume (no "hot folder" required, no restrictions on OPI folders). Low-res files are stored in "layout" subdirectories.

PostScript/PDF Output Generation
On-the-fly PostScript Level 1, 2 and 3 generation with compression: Zip, Compress, JPEG, CCITT-G4, OPI image replacement during output (no temporary files), image ICC color management, downsampling, and cropping during composite or separated output. PDF generation via PDF HandShake option.

HELIOS OpenImage SDK
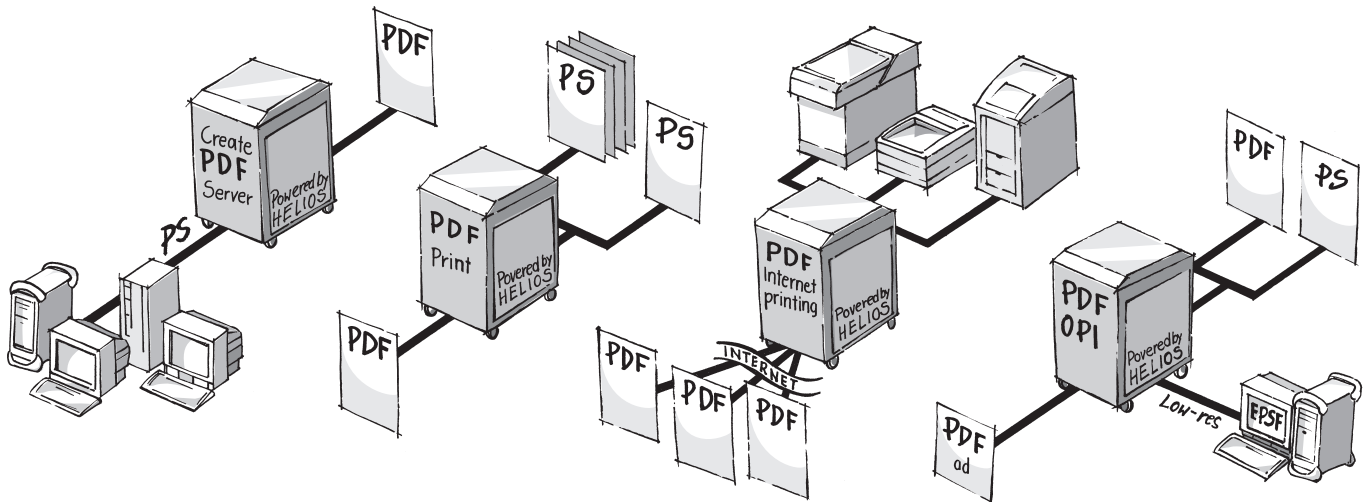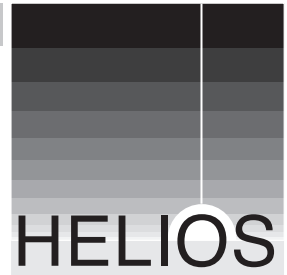API allows adding new file formats, etc.

A product from:

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Internet: www.helios.de

More details on the HELIOS website: www.helios.de/web/EN/products/start.html

Your HELIOS partner:

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PDF HandShake UB2

Create PDF Server · PDF Preflight · PDF Printing · PDF OPI

HELIOS

HELIOS PDF HandShake UB2 fully utilizes the benefits of PDF in existing production environments. Automated server-based PDF generation, PDF printing, PDF OPI, PDF preflight and batch tools boost productivity, and overcome today's PDF problems.

Create PDF Server is a highly automated server-based PDF creation solution. Mac, Windows and UNIX clients can print to a Create PDF printer queue which automatically creates PDF documents of any PostScript print job. Simply set up various print queues, each corresponding to a specific set of job options. This solution is able to automatically utilize multiple servers for the PDF creation, and scales from a few users to hundreds of users.

Smart ICC Color Management can color match every object within a PDF. Properly converts PDF to CMYK, with ability to detect and preserve raster and vector black, gray, white and pure CMY colors. Perfect to color-normalize PDFs. Source profiles, printer and proofer profiles and ICC rendering intents can be specified.

Smart Ideas for Better Networking.

PDF HandShake Printing offers correct separations and composite PDF printing on any PostScript output device. PDF HandShake capabilities include printing registration marks, custom page sizes, printing always with correct fonts, conversion of embedded TrueType and CID fonts to Type 1, and more. PDF HandShake is the perfect printing solution for any PDF document. It doesn't matter if the PDF is from MS-Office, QuarkXPress or InDesign – PDF Hand-Shake printing will always print correctly.

PDF Preflight is included, with callas pdfToolbox 4 integrated in the Create PDF printer queue and via "hot folders".

ImageServer OPI users can place EPS low-res files, which are automatically created from PDF high-res documents. During printout, the low-res files will be replaced with the PDF high-res data and printed correctly using the PDF Hand-Shake printing technology. Printing to a Create PDF queue produces high-res or low-res PDF of all OPI print jobs. PDF with OPI references is fully supported and printing to an OPI queue replaces all OPI references.

Features & Benefits

Ease of Use
- Easy to install, administer, use
- Remote server administration from Mac, Windows and UNIX

Create PDF Server
- Uses Acrobat Distiller 4 - 9, or X
- Queue based workflow and settings
- Support for Win/Mac/UNIX clients

PDF Preflight
See the separate data sheet

PDF Printing
- PDF 1.7 compatible
- PDF flattening via Tool Server
- Composite, in-RIP & host separations, and proof printing support
- ICC color management
- Printing via "pdfprint" tool, server "hot folder" or Mac Acrobat plug-in

PDF & OPI via ImageServer
- PDF-native OPI with InDesign
- PDF transparency support
- EPSF low-res files from any PDF
- PDF to high-res EPSF conversion
- PDF preview generation

System Requirements

PDF HandShake on Server

- EtherShare UB2 for Mac clients, or PCShare UB2 for Windows clients, or WebShare UB2 for web clients
- PDF HandShake printing from any client via "pdfprint" tool, or Acrobat plug-ins for Mac, or via "hot folders" with optional ImageServer

- Create PDF Server requires Acrobat Distiller 4.05-9, or X, for Mac/Win
- Optional ImageServer for OPI and imposition features, WebShare for remote OPI and image/document previews, PrintPreview for a bitmap proof of PDF print jobs

Product Highlights

Printing

- Acrobat plug-in for printing directly from Acrobat 4-6, 8, 9, X on Mac
- "hot folder" printing from any client
- Print composite, host separated, and in-RIP separations including shadings and DeviceN
- PDF 1.0-1.7, PDF/X support
- ICC v4 support for printing
  All colors will be changed to the output color space, e.g. CMYK according to the ICC profile. Paper white will be simulated when proof printing. Supports 16-bits per channel images, DeviceLink profiles and Black Point Compensation. Embedded ICC profiles can be used or ignored
- PDF tools included for batch processing and scripting: pdfprint, pdfcat, pdfinfo, pdfnote, pdftoeps, pdfform
- Hairline correction during printing
- Grayscale, black, white, and pure CMY detection with correct output
- Grayscale detection of indexed RGB color in PDF data with correct output
- Missing fonts in a PDF document will be detected and the job will not be printed until the font is available, e.g. via the HELIOS font server
- Options: overprint black text, negative printing, ignore OPI references for PDF printing, preserve PDF halftones
- Registration marks and bleed support
- TrueType & CID Font support
- PDF layer support

PDF-native OPI & PDF Repurposing

Adobe InDesign users can place OPI low-res images and export low-res documents as PDF 1.4-1.7 into a "hot folder". All OPI referenced images will be replaced with optimized and color matched originals into a high-res PDF file. Benefits are:

- Preserves PDF transparency, drop shadows and XMP meta data
- Server-based ICC color management Apply and/or embed printer ICC profiles into PDF job, to transform images for different printing processes or include high-res image profiles
- Downsample replaced images
- Compress replaced images (G4, JPEG, JPEG 2000, Zip, etc.)
- Low-res PDF can be repurposed for multiple settings/productions
- Remote page composition Users can be provided with layout images and return complete pages for final output. HELIOS WebShare options allows web-based workflows

PDF and PostScript OPI

- EPSF layout files are automatically created from PDF documents to be used for placement and printing
- Automatic PDF replacement of OPI image references in a PDF document
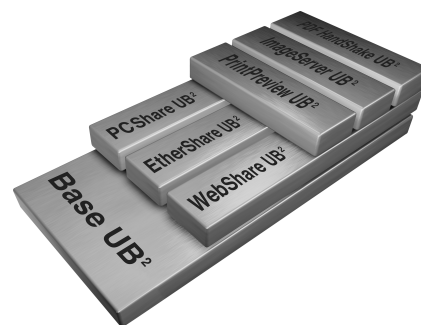
Create PDF Server

- Automatic PDF creation via print queues on the server
- Support for Windows and Mac clients, UNIX clients via "lpr"

- Customized job options and security settings per queue allow different PDF creation settings
- Acrobat Distiller is used with HELIOS Create PDF Server on one or more dedicated Mac or Windows workstations for PDF creation
- Scalable via load balancing queues
- Centralized Create PDF queue administration within HELIOS Admin. There is no configuration required on different Create PDF Server machines

PDF indexing & full-text extraction

With PDF HandShake, the HELIOS Index Server indexes PDF full text and form fields, for Spotlight searches from EtherShare, PCShare, and WebShare clients. PDF full-text extraction is supported.

Tool Server

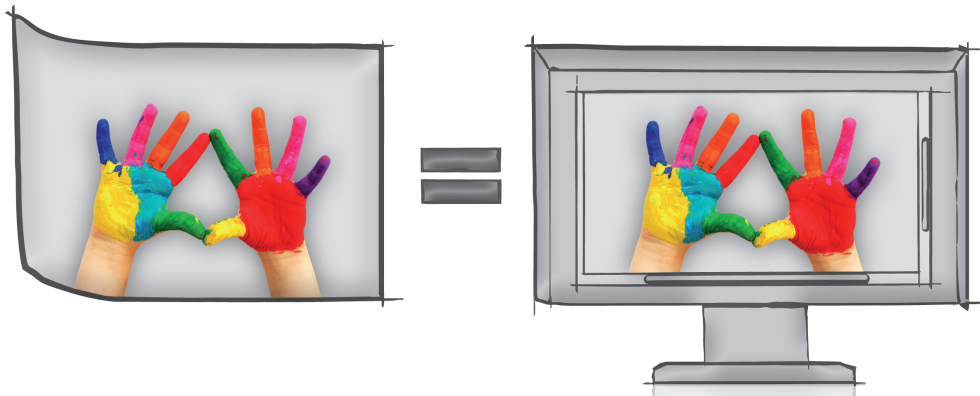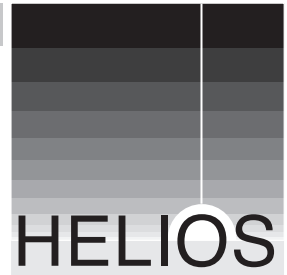Integrates and automates client-based applications.

- PDF transparency flattening
- HTML to PDF conversion

See the separate data sheet

Flexible Licensing Scheme

The PDF HandShake license is tied to a specific machine. The total number of licensed HELIOS users per day is permitted to use PDF HandShake.

More details on the HELIOS website: www.helios.de/web/EN/products/start.html

Your HELIOS partner:

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PrintPreview UB2

Certified Softproof & Annotations for PDF, Images and Office documents via WebShare

HELIOS

HELIOS PrintPreview UB2 is a versatile content and color proofing solution offering a certified softproof, hardproof and annotation workflow for documents and images that is easy to use within a web browser, throughout the design, review, and production process.

FograCert certified softproof confirms accurate proofs simulating the Fogra39 printing process on a proofing monitor. The certification of the entire solution includes monitor, software, measurement devices, ICC profiling and the viewing lightbox.

IPA RoundUp hardproof confirms excellent color matching quality simulating the GRACoL printing process. HELIOS passed all 24 IPA RoundUP tests using a mainstream inkjet printer. Printing is supported from the web browser to local printer, no RIP needed.

Annotation Workflow allows hierarchical discussions with different users (e.g. staff, partners, customers), reviewing PDFs, images and Office documents throughout the production process. Annotations across multiple document versions are supported.

Sophisticated Color Rendering is performed on the server and an ICC color-matched RGB page is presented as a softproof or hardproof within the web browser. It provides accurate proofs, with features such as in-RIP separations, and support for transparencies, overprint, shadings, DeviceN and spot colors.

PrintPreview extends HELIOS WebShare with these proofing and annotation capabilities. In addition, PrintPreview can generate proofs of any print job, in your local network, acting as a virtual printer, and saving the rendered proof pages into a PDF.

Features & Benefits

Ease of Use
- Easy to install, administer, use
- Supports all major web browsers

Rendering Features
- PDF documents
- All major image formats TIFF, EPS, JPEG, PSD, JPEG2000, PNG,…
- Office document page previews
- InDesign/XPress page previews via ImageServer
- In-RIP separation support
- DeviceN and spot color support
- Overprint/knockout support
- Transparency support
- Previews of final separation plates

Proofing Workflow
- Annotations for documents and images, multi-user capable
- Annotation printing support
- Color inspector
- ICC profile management per user for printer and monitor proofing devices

Web Client Support
- Mac, Windows, iPad/iPhone

Smart Ideas for Better Networking.

System Requirements

PrintPreview on Server
- WebShare UB2 for web clients
- 128 MB RAM per active proof job
- PostScript proofing via printer queues requires EtherShare UB2, PCShare UB2, or Base UB2 for Windows
- Office document previews require Microsoft Office 2007/2010/2011

Supported Jobs
- PDFs, images, Office documents
- PostScript proofs via printer queues
- PostScript rendering via "psrip" utility

Workstation & Devices
- Softproofs with calibrated monitor
- Hardproofs with calibrated printer
- Any major web browser: Mac, Windows, iPad/iPhone

Product Highlights

Local & Remote Proofs
PrintPreview with HELIOS WebShare enables local and remote ICC color-matched proofing on monitor or printer, via any web browser.

Image and PDF Proofing
All major image formats and PDF documents are easily viewed and proofed in WebShare. ICC profiles can be uploaded and selected for the specific monitor or printer, and the desired printing process. Color matching is performed by the PrintPreview server.

Monitor Proofs
Use any monitor throughout the design and review process for content proofing. Use a calibrated proofing monitor for highly accurate color proofing of composite or individual separation plates and/or spot colors.

Color Inspector
The color info panel shows final print process separation and spot color values for specified points of the softproof.

Fogra Certified Softproofs
The HELIOS soft proofing system, together with designated monitors, and light booth, received FograCert softproof certifications for fulfilling all of the FograCert softproofing system criteria. To replicate this setup, refer to the HELIOS website for details.

Print Proofs
PrintPreview generates proofs for printing via WebShare. Since PrintPreview does all the complex content rendering and ICC color matching, it can print matching remote proofs to mainstream inkjet or laser printers without the need for a local RIP solution.

Annotations and Collaboration
Annotations can be added to images, PDFs, and Office documents, and with HELIOS ImageServer, InDesign/XPress XPV documents as well. Selecting a point or area allows adding notes. Reviewer comments are formatted as threads with timestamps and IDs. Annotations are maintained across document versions, and can also be printed.

Tool Server for Office Previews
WebShare previews of Microsoft Office Word, Excel, and PowerPoint documents can be enabled via the included HELIOS Tool Server OfficeReader feature. Tool Server requires Microsoft Office 2007 or 2010 on Windows, or Office 2011 on Mac.

Accurate Rendering
PrintPreview offers highest rendering quality and compatibility, supporting transparency, in-RIP separation, overprint/knockouts, DeviceN, spot colors, PDF ICC color spaces, ICC-4 profiles, DeviceLink profiles, and high-precision rendering and antialiasing for text.

PostScript Proofs via Print Queues
PrintPreview also generates proofs of PostScript jobs printed via HELIOS EtherShare or PCShare print queues, "lpr" tools, or ImageServer hot folders. Standard separated jobs, jobs with any number of spot color plates, composite and in-RIP separation jobs are supported. A PrintPreview queue is in essence a virtual printer, which saves a bitmap proof into a PDF file. It utilizes the final printer PPD and ICC profiles to accurately preview the final output. The preview file represents the final output in all relevant aspects: completeness of page, correctness of page elements including OPI resolving, proper typography and fonts, color fidelity, and page geometry according to the final RIP's PPD.

Flexible Licensing Scheme
The PrintPreview license is tied to a specific machine. The total number of licensed HELIOS users per day is permitted to use PrintPreview.

A product from:

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30827 Garbsen
Hannover, Germany
Fax: +49-5131-709325

Internet: www.helios.de

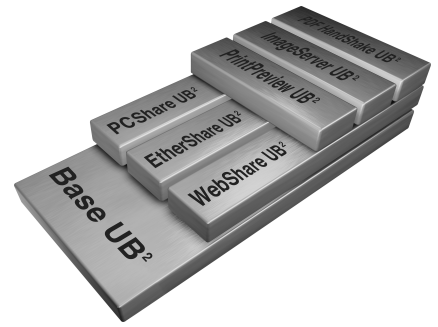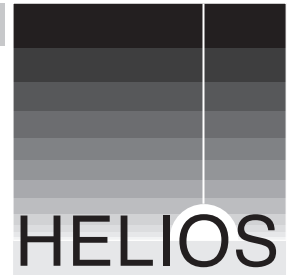**More details on the HELIOS website:** www.helios.de/web/EN/products/start.html
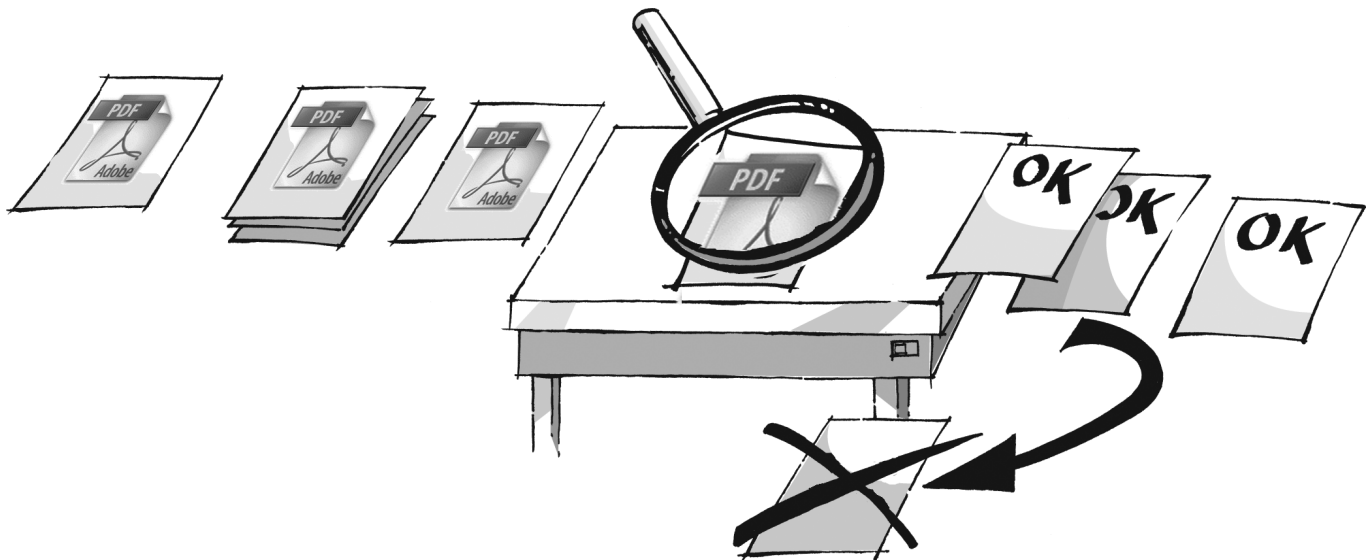
Your HELIOS partner:

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PDF Preflight

Server automated PDF preflight via pdfToolbox
from callas software, included in PDF HandShake UB2

HELIOS

PDF is good, control is better
PDF HandShake includes pdfToolbox from callas software, a powerful solution for analyzing and preflighting PDF files to ensure that incoming and outgoing PDF files are production compatible.

HELIOS PDF HandShake UB2 integrates pdfToolbox into "Create PDF" printer queues, HELIOS Script Server "watched folders", and WebShare web-based PDF preflight. pdfToolbox allows automated server-based PDF file checks.

Server-based PDF preflight with pdfToolbox is Acrobat 6/7/8/9/X preflight compatible. It checks PDF files according to PDF 1.2 - 1.7 and PDF/X specifications. Test profiles customized and approved in Acrobat can be exported and stored on the server. The fully automated check is done on the PDF HandShake server so no additional Acrobat workstation is required. Over 600 test characteristics can be defined and combined in preflight test profiles. Over 40 industry-standard profiles are included to allow a quick start. They can be customized to meet precise needs.

Smart Ideas for Better Networking.

Flexible PDF Preflight Reports are available as text, XML, and HTML files, or as an annotated PDF indicating areas with errors or warnings.

pdfToolbox is compatible with any PDF documents of the PDF 1.2 - 1.7 and PDF/X-3 specifications. Even the most complex PDF files are efficiently checked, including "Form XObjects". Compared to other solutions, pdfToolbox never modifies the original PDF files when checking them, which preserves job ticket and XMP meta data. Validates and creates PDF/X-1a, PDF/X-3, PDF/X-4, PDF/A-1a, PDF/A-1b.

PDF standard corrections can automatically be performed by PDF HandShake Print and "Create PDF Server" to fix problems such as minimum hairline size, preserve black, convert TrueType and CID fonts to Type 1, recognize and correctly convert RGB defined white, gray and black objects, and perform ICC-based color conversion for the printing process.

Features & Benefits

Ease of Use
- Easy to install, administer, use
- Remote PDF preflight administration from Mac, Windows, and UNIX
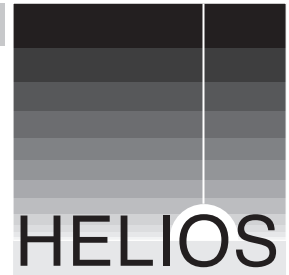
Analyzing and Preflighting PDF
- Automatic PDF preflight provides reliable PDF input and output control
- PDF preflight integrated into PDF HandShake "Create PDF" queues
- "Hot folder" based PDF preflight via optional HELIOS ImageServer
- Precise test characteristics specified in each test profile (> 600)
- Reports in HTML, ASCII, XML, or PDF
- Validates and creates PDF/X
- Web-based PDF preflight via optional HELIOS WebShare action script

Compatibility
- Acrobat 6/7/8/9/X compatible preflight profiles and engine
- PDF 1.2 - 1.7 and PDF/X
- "Form XObjects" PDF support
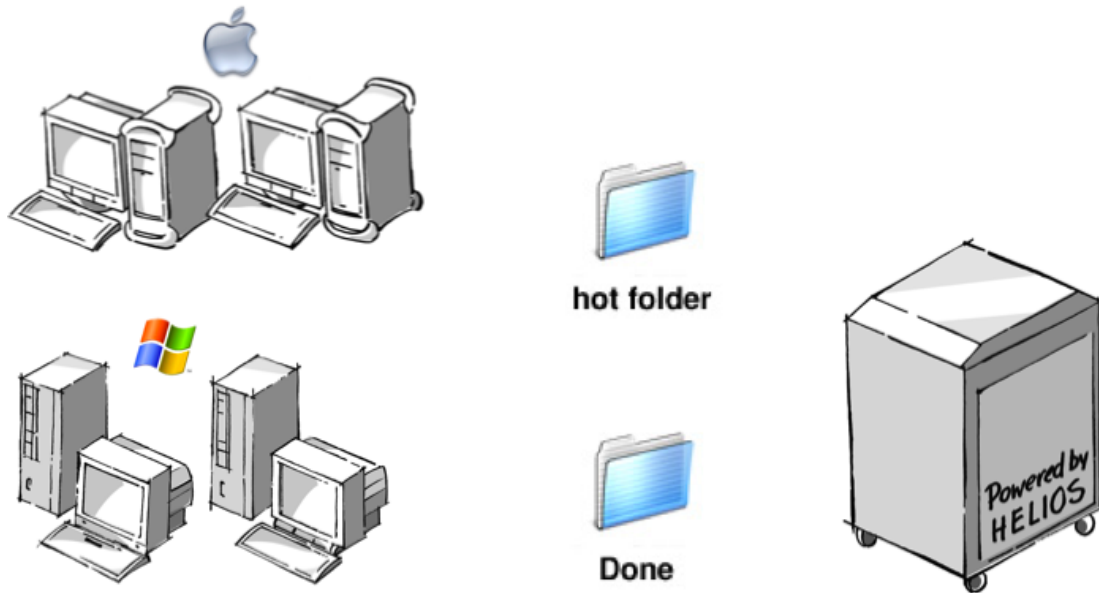- Never modifies original PDF files, preserves job tickets and meta data

Supported Server Platforms
- Solaris, Linux, Mac, Windows, AIX

Script Server UB2

Server-based Hot Folder Automation

HELIOS

hot folder

Done

Powered by HELIOS

Hot folder automation provided by Script Server integrates and automates server applications. Any sort of scriptable task or procedure can be initiated simply by saving files to a server hot folder. Even an entire server volume can be designated as a hot folder. This works completely automatically behind the scenes.

Script Server is easily set up via HELIOS Admin. Users or administrators can configure hot folders, edit scripts, and monitor job status and logs. HELIOS ScriptAssistant, an interactive utility for Mac or Windows, simplifies the creation of custom Script Server scripts.

The infrastructure is provided by Script Server, managing event notification, file type recognition, queuing, logging, etc. The system administrator only needs to script the actual task itself. Script Server does the rest. A single script can be used for different hot folders, with customized variables for each. These variables (e.g. a printer name, or ICC profile, or image resolution) can easily be defined by users in HELIOS Admin.

Smart Ideas for Better Networking.

Web based workflows can be enabled by sharing Script Server hot folders via HELIOS WebShare. Remote proofing, PDF preflight, image conversion, and more can be accessible anywhere.

Reliability and security are enforced. Each script runs as a separate process, with the security credentials of a specific user. Handling of time-outs and errors ensures that the system continues even in the case of a problem.

Sample Scripts are included for common processes such as image conversion, ICC color space transforms, PDF processing, etc. These scripts can also be used as templates for custom scripts. Additional details at: www.helios.de/web/EN/products/SS_scripts.html

Script Server is included as a core feature of HELIOS ImageServer. See the ImageServer data sheet for additiional details and system requirements.

Features & Benefits

Ease of Use
- Easy to install, administer, use
- Remote server administration from Mac, Windows, and UNIX

Automation Framework
- True server solution – implemented as a background server service
- "Run as user" support for scripts
- Event driven – much faster and more efficient than polling
- Individual folders or entire HELIOS volumes can act as hot folders
- File type & suffix can trigger scripts
- Queuing, logging built-in
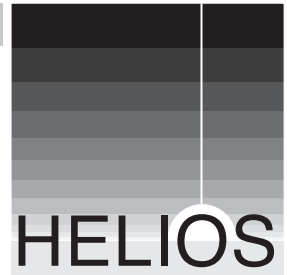- Remote automation via Tool Server

User Interface
- GUI setup of hot folders and scripts
- ScriptAssistant script creation tool
- Monitor job status in job window

Compatible Scripts
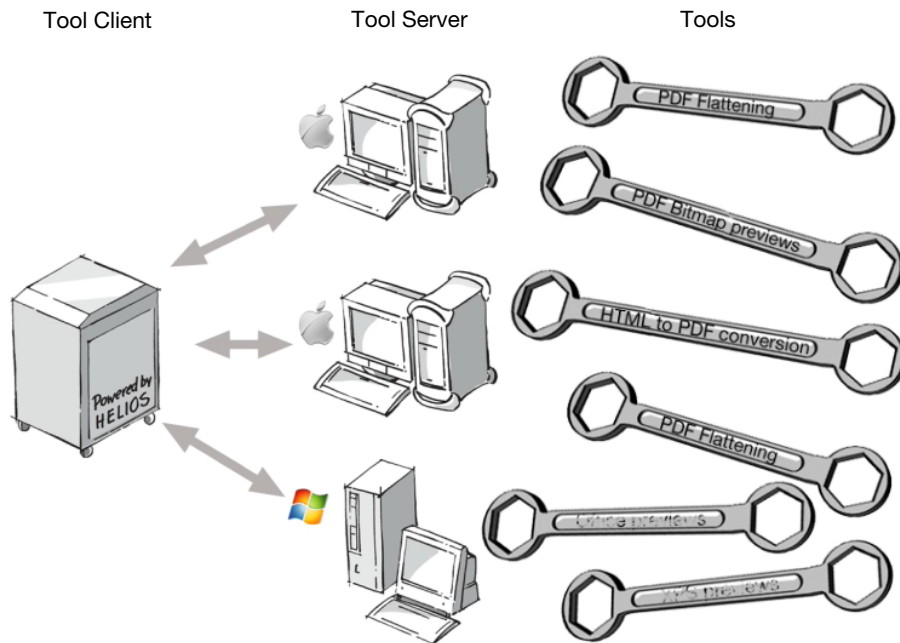- Any executable (e.g. Perl, shell, ...)

Cross-Platform Client Support
- Mac, Windows, UNIX clients

Tool Server UB2

Server Automated Client Applications

HELIOS

Tool Client   Tool Server   Tools

Tool Server allows applications running on network clients to be automated and remotely used by the HELIOS server. Many applications and technologies are only available on a specific platform. Tool Server makes these required applications and technologies available to your HELIOS server, as standalone process, or for integration into server workflows.

Most any application that can be automated (via e.g. AppleScript, shell script, VBA, Automator, etc.), on any platform (e.g. Mac, Windows, UNIX) can easily become a Tool Server tool. The system administrator simply needs to write the application automation script, and Tool Server does the rest.

The client server infrastructure is provided by Tool Server. The "toolclient" application detects all servers automatically by using Bonjour and chooses the Tool Server workstation that offers the required service with the best performance. Automatic job load balancing, file transfers, processing, auditing, and error handling makes it quite easy. Jobs can be processed completely automatically

using the Tool Server "toolclient" application, or by saving files into Script Server hot folders. Hot folder automation is easily set up and monitored via HELIOS Admin.

Sample Tool scripts are included for common processes such as flattening PDF documents by automating Adobe Acrobat, or sharpening images using Photoshop. In addition, examples are included for using AppleScript, Visual Basic, REALbasic, Perl, etc.

Remote Workflows can be enabled by sharing Script Server hot folders via HELIOS WebShare.

Licensing – the tool client requires an ImageServer or a PDF HandShake license. Refer to the Tool Server manual for complete licensing details. Office to PDF conversion requires Microsoft Office 2007 or 2010 on Windows, or Office 2011 on Mac (not included). Automated applications must be used in accordance with their licensing terms.

Smart Ideas for Better Networking.

Features & Benefits

Ease of Use
- ■ Easy to install, administer, use

Remote Automation Framework
- ■ Job with settings is sent to tool server, finished job is returned
- ■ "Run as user" support for tools
- ■ Separate process for each job
- ■ Load balancing and fail safety
- ■ Cleans up temp files and processes
- ■ Error report to the client
- ■ Bonjour browsing to find tool servers HELIOS Bonjour server included

Available Tools
- ■ PDF flattening via Acrobat (Mac/Win)
- ■ Office to PDF conversion (Word/Excel/PowerPoint)
- ■ HTML to PDF conversion (Mac)
- ■ Raw to TIFF conversion (Mac)
- ■ Photoshop actions (Mac AppleScript) More details and tools: www.helios.de/web/EN/products/ TS_examples.html

Cross-Platform Client Support
- ■ Mac, Windows, UNIX clients