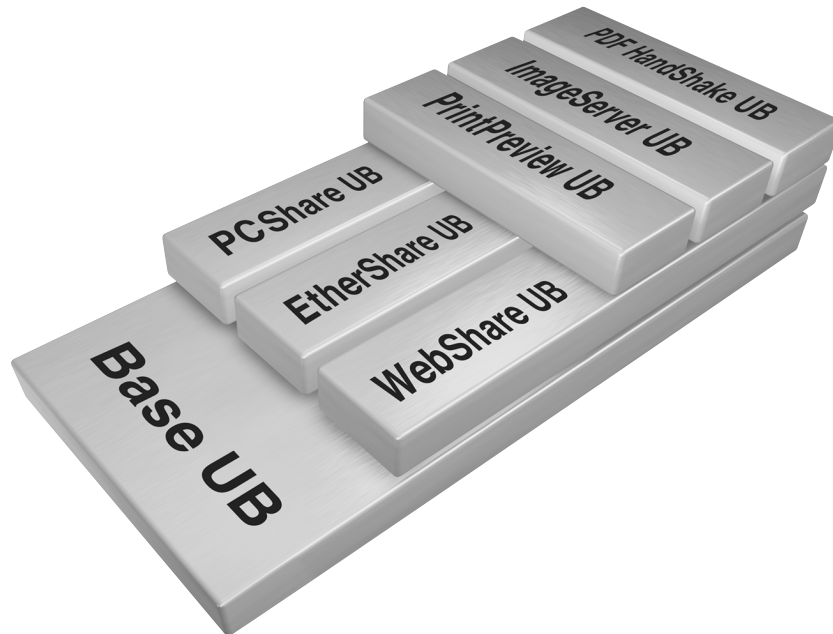
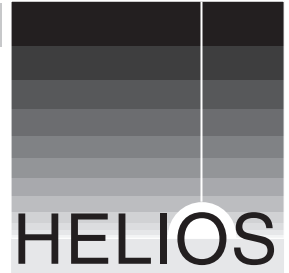


HELIOS Base UB

Superior Server Foundation for all HELIOS Products



HELIOS Base UB is the innovative foundation used by all HELIOS UB products. It incorporates the advanced server technologies developed by HELIOS over many years. These core HELIOS technologies include 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 conception and design of HELIOS Base allows great flexibility and ease of use. This starts with the software installation, using the new HELIOS software and update installers. The software installer even installs available software updates automatically. The HELIOS products location and configuration allows customers to switch between all supported UNIX platforms within minutes by preserving all custom settings of the HELIOS server solutions.

Server Fail Safety HELIOS software is a crucial component in mission-critical environments. HELIOS Base adds an additional level of server fail safety. The

Smart Ideas for Better Networking.

central 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. A failure of any HELIOS service will be reported and if required, the HELIOS Service Controller will restart the service.

Advanced Printing System HELIOS Base 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 mixed environments, e.g. LDAP, AD/PDC and backup servers are supported.

All Major Server Platforms are supported with identical features and release dates. HELIOS Base abstracts platform-specific server differences and offers an identical foundation for all HELIOS products independent of the server platform and operating system.

There is no extra charge for the HELIOS Base product.

Features & Benefits

Ease of Use

- Easy to install, administer, use
- Remote server administration from Macintosh, Windows and UNIX

Server Features

- Server fail safety via the HELIOS Service Controller. Automatic logging and restart of failed services
- Advanced printing system, UNIX lpr compatible, 64-bit print job support
- 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
- 64-bit large file support
- Easy migration to other HELIOS supported server platforms
- TCP/IP SLP server
- UNIX "dt" utilities (mv, rm, cp, ls,...)
- HELIOS software installer
- 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 SPARC Solaris, IBM pSeries AIX, HP Alpha, HP-UX and SGI IRIX
Details: www.helios.de/platforms
- TCP/IP network connection, optional NFS, LDAP, AD/PDC, NIS, DNS, ...

Product Highlights

Server Installation

- Fast, menu-driven installation from CD-ROM, 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, server settings, security 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
- Open files tool
- Central start/stop HELIOS scripts, location for additional custom scripts
- Desktop Utilities for file management

Server Fail Safety

- All services are managed and observed by the HELIOS Service Controller.
- Automatic reporting of problems
 - Automatic service restart if required
 - If a process fails, other processes are not affected
 - Automatic starting order
 - Allows easy integration of third-party services and scripts
 - HELIOS SDK available to develop additional start/stop COM plug-ins to permit more control, e.g. start, stop, restart events, messages

A product from:

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Internet: www.helios.de

- 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

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.
- Central passwords up to 64 bytes

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.

Unicode

- All HELIOS services utilize Unicode, all major client encodings are supported
- Unicode UTF-8 is used for file names
 - "uniconv" tool converts files and file names between different encodings
 - HELIOS SDK to add/use encodings

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

Migration to other platforms

All installed HELIOS products and settings can be transferred to any supported platform by installing the

HELIOS products using Base

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

HELIOS products from CD and moving the HELIOS "var" folder to the new platform. All server settings including volumes and printers are transferred to the new platform and are automatically re-created on the new system. Supports migration from earlier versions.

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, with 64-bit jobs between HELIOS UB "lpr" queues, and 32-bit jobs to other "lpr" printers
- 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 UB)
- Print to Windows SMB/CIFS printers (requires PCShare UB)
- Print to Create PDF queue (requires PDF HandShake UB)
- Print to PDF bitmap proof queue (requires PrintPreview UB)

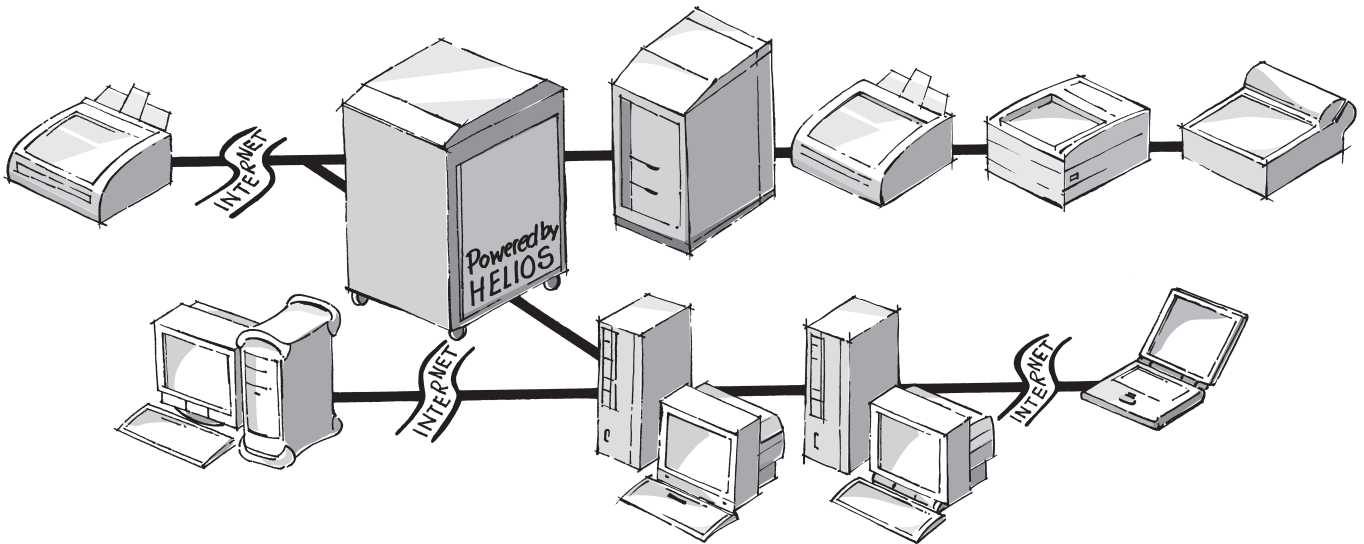
More details on the HELIOS Web site: www.helios.de/products/productshows.html

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Base UB for Windows

Advanced Print Services and HELIOS Server Foundation

HELIOS Base UB for Windows provides a state-of-the-art print server for Windows, and a foundation for all other HELIOS products, to unlock the Windows server platform for network clients. It is well known for its reliability, performance, and ease-of-use, and incorporates the advanced server technologies developed by HELIOS over many years. These core HELIOS 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. 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. 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/IP printer driver, which is

many times faster than AppleTalk PAP. Detailed print job accounting information is easily reviewed or exported. The advanced printing system is tightly integrated with ImageServer, PDF HandShake, and PrintPreview to serve the widest range of prepress needs.

Remote Administration using HELIOS Admin from Windows, Mac and UNIX clients allows managing server settings, printer queues, and logs, and creating printing workflows by cascading different queues/options. It is extremely easy to use and includes several security groups to control administration of server settings, print queues, and print jobs.

Scalability is built-in, from small sites with only a few clients to enterprise sites with the most demanding requirements; it always remains easy to administer.

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" tools (mv, rm, cp, ls,...)

Flexibility

- All major Windows platforms

Smart Ideas for Better Networking.

System Requirements

HELIOS Base Server

- One of the following server systems:
 - Windows 2000 Server
 - Windows Server 2003
 - Windows XP
 - Windows x64 edition on XP and 2003
- 64 MB RAM; 4 MB per active client
- Perl 5.8.x (www.activestate.com)

Product Highlights

Server Installation

- Fast installation from CD-ROM, 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" 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 observed 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

A product from:

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9/2006

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

Clients

- Windows with SMB/CIFS
- Apple with Mac OS 8.1-10.4
- UNIX with Remote LPR

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 UB)
- Print to PDF bitmap proof queue (requires PrintPreview UB)

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.

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

HELIOS products using Base

- HELIOS WebShare UB
- HELIOS ImageServer UB
- HELIOS PDF HandShake UB
- HELIOS PrintPreview UB

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 file permissions
- 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 UB

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 license 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.

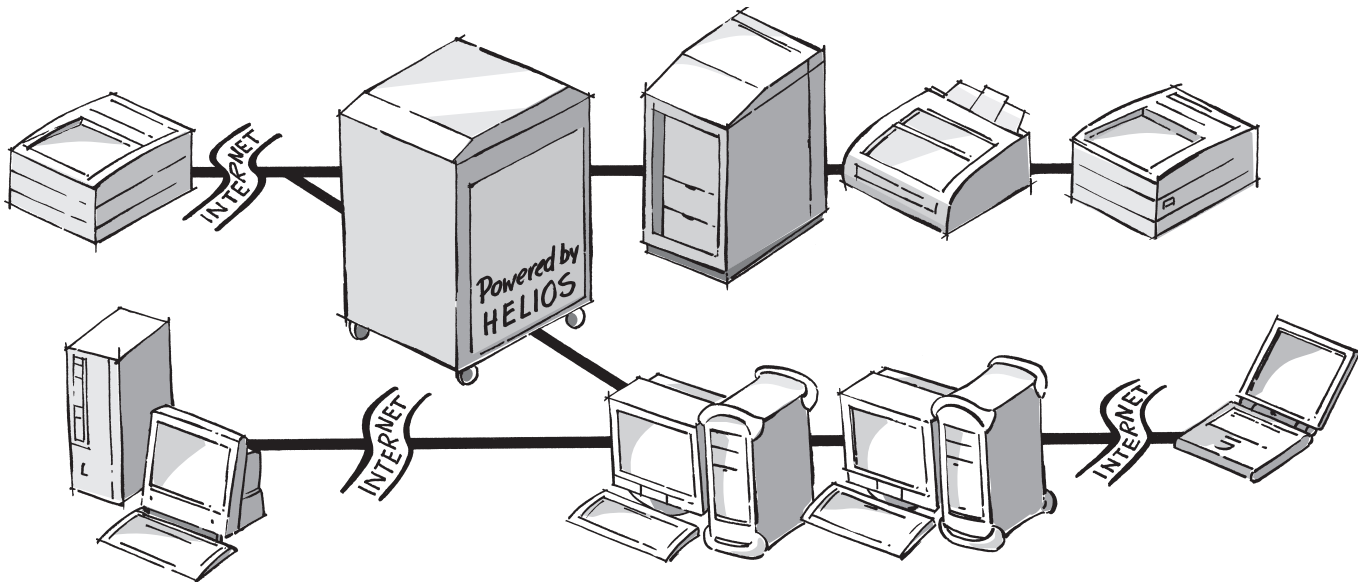
More details on the HELIOS Web site: www.helios.de/products/productshows.html

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EtherShare UB

Highest-Performance Server for Macintosh Clients

HELIOS EtherShare UB 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 Macintosh clients. It is well known for its reliability, performance, and ease-of-use.

Mac OS X and AFP 3.1 Support

ensures full compatibility with Apple standards, including support of large files, long file names and server reconnect. It works with any Macintosh out of the box, without the need to train users. EtherShare is easy to set up. It installs on the server in minutes. All further management is done remotely. It is simple to configure users, groups, volumes, print spoolers, server settings, log files, etc. with HELIOS Admin via an easy to use GUI interface.

EtherShare not only offers impressive file and print services, AppleTalk routing, and remote administration, but many additional features which prove extremely useful for daily work. AFP over TCP/IP acceleration is built-in so clients can fully utilize faster networks like Fast or Gigabit Ethernet.

Smart Ideas for Better Networking.

TCP/IP Print Spooling via the EtherShare exclusive TCP/IP printer drivers prints many times faster than Mac OS PAP or LPR. Detailed print job accounting information is easily reviewed or exported to other programs. EtherShare is tightly integrated with ImageServer, PDF HandShake, and PrintPreview to serve the widest range of prepress needs.

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 Macintoshes to enterprise sites with the most demanding requirements, and always remains easy to administer. Optional PCShare and WebShare yield 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.

Features & Benefits

Ease of Use

- Easy to install, administer, use
- No client installation necessary
- Remote server administration from Macintosh, Windows and UNIX

Server Features

- AFP 3.1 File Server
- Full AFP File & Directory ID (Alias) support, server-optimized "Find File"
- AppleTalk routing between multiple network adapters
- Print spooler for PAP & TCP/IP, Mac OS 9/X TCP printer drivers, PPDs, ...
- Remote volumes and printers over the Internet
- Time server, POP3 mail server
- UNIX "dt" utilities (mv, rm, cp, ls,...)
- Shared volume compatibility with PCShare and WebShare

Client Support

- Mac OS 8.1-10.4

HELIOS Base Features

- Advanced printing system
- Authentication server
- Unicode/UTF-8 file representation

Flexibility

- All major server platforms

System Requirements

EtherShare Server

- One of the following server systems:
Apple Mac OS X, Linux, Sun SPARC Solaris, IBM pSeries AIX, HP Alpha, HP-UX and SGI IRIX
Details: www.helios.de/platforms
- 16 MB RAM; 4 MB per active client
- At least one network adapter

Product Highlights

Server Installation

- Fast, menu-driven installation from CD-ROM, easy installation for system administrators

Client Installation

- No special drivers for file & print services required
- Automatic IP-based file server acceleration when TCP/IP is configured
- Easy client installer for addl. tools

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
- Export volumes and printers
- Server auditing/monitoring support
- TCP/IP access lists management
- Manage spool queues and PostScript fonts with "drag and drop" ease
- Handle printer accounting data
- Easy setup of AppleTalk routing
- Manage detailed accounting information including fonts used, pages, etc.

HELIOS Desktop Utilities

Macintosh files are handled properly with "dt" enhanced UNIX 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.

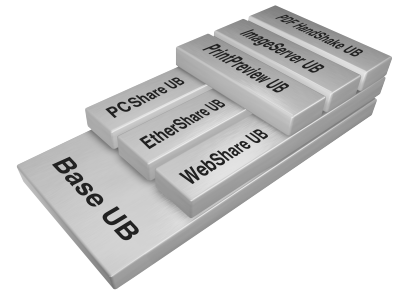
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9/2005

Macintosh Clients

- Macintosh with Mac OS 8.1-10.4
- AppleTalk limit of 250 sockets. This limitation does not apply for TCP/IP
- Optional HELIOS PCShare integrates Windows clients, WebShare allows web-based server access.



File Services

EtherShare supports AFP privileges, fast "Find File", Alias, etc. All server disk space incl. NFS volumes, CD, MO, etc. can be shared. Mac files are stored in a way that Macintosh, Windows, and UNIX can fully share documents. Extremely fast: Using one Gigabit Ethernet over 70 MByte/s to G5 Mac clients, more than 100 MByte/s total server throughput.

Server Features

- AFP 3.1 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
- 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
- AppleTalk Router, routes AppleTalk between network interfaces
- Full Mac OS 8/9 client compatibility
- Windows NTFS file stream support handles streams for copy/move, etc.
- Unicode volumes store all file names in 16-bit Unicode/UTF-8 format. This allows the same file names for UNIX, Windows, Macintosh and Web clients
- Quota support

- Additional EtherShare network tools help to analyze and troubleshoot the network: HELIOS LanTest, poll, 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. Hold and Error queues hold all successful or all erroneous print jobs for easy postprocessing and troubleshooting. Balanced queues print to the next available printer of a group of printers. EtherShare accepts text, PostScript, and raw.

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 license 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 Web site: www.helios.de/products/productshows.html

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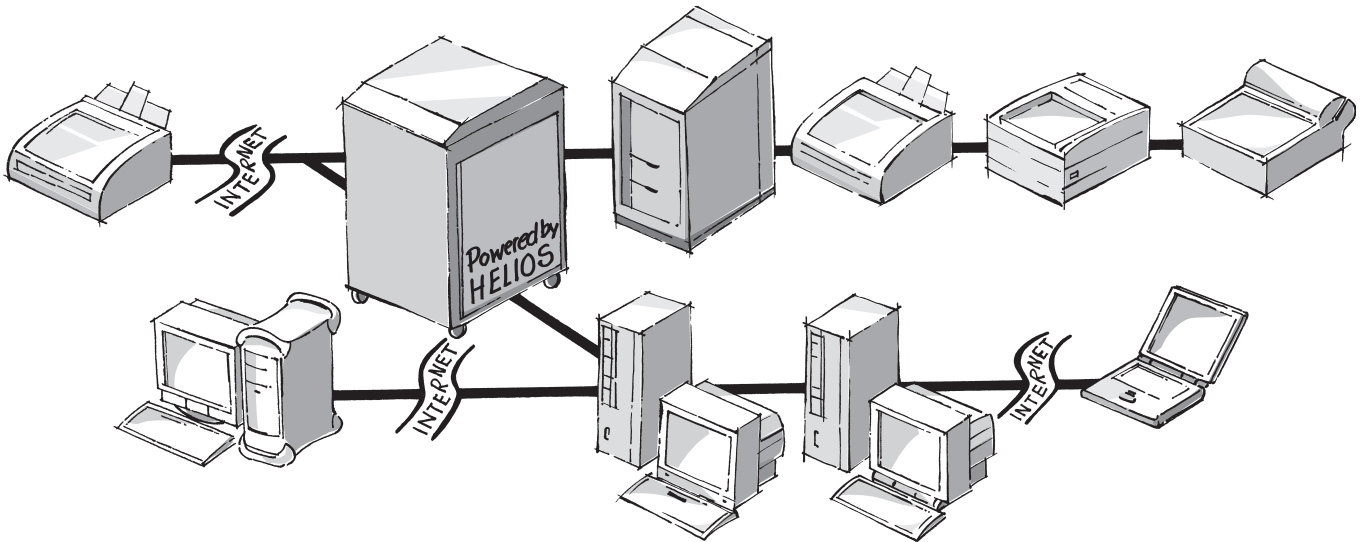
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PCShare UB

Highest-Performance Server for Windows Clients



HELIOS



HELIOS PCShare UB 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 2003 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. Macintosh meta data is accessible via SFM compatible streams. UNIX permissions and quotas are fully supported. A PCShare exclusive Explorer extension allows managing UNIX file and folder permissions from the client.

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

Smart Ideas for Better Networking.

DHCP Server built into PCShare allows automatic distribution of TCP/IP configurations to any Windows, Macintosh, or other devices connected to a server network port. With its DHCP backup server capability all DHCP/ BOOTP clients will continue to work if the main server fails.

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 with the most demanding requirements, and always remains easy to administer. 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 Macintosh, Windows and UNIX

Server Features

- Windows 2003 compatible file and print server (SMB/CIFS)
- Windows file streams support
- Browser and WINS name server
- UNIX permission support in Explorer
- DHCP main and backup server
- Routing between network cards
- Printing to local PC printer
- Remote network drives and printers over the Internet
- Printing to EtherShare "lpr" queues
- EtherShare volume compatibility

Client Support

- Windows NT 4, 2000, XP, 2003
- Windows 95, 98, ME, 3.1, 3.11, DOS

HELIOS Base Features

- Advanced printing system
- Authentication server
- Unicode/UTF-8 file representation

Flexibility

- All major server platforms

System Requirements

PCShare Server

- One of the following server systems:
Apple Mac OS X, Linux, Sun SPARC Solaris, IBM pSeries AIX, HP Alpha, HP-UX and SGI IRIX
Details: www.helios.de/platforms
- 16 MB RAM; 4 MB per active client
- At least one network adapter

Product Highlights

Server Installation

- Fast, menu-driven installation from CD-ROM, 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 Permissions dialog
- Use DHCP or specify TCP/IP setup
- Optional DOS/Win 3.1 client installer

Server Administration

- Remote server administration from Windows, Mac OS X and UNIX via HELIOS Admin
- Manages users, groups, volumes and printers, server settings and logs
- System & printer administrator groups
- Export 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.
- HELIOS extension allows managing permissions within the Windows Explorer file properties dialog

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.

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Windows clients

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

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 incl. NFS volumes, CD-ROM, MO, etc. can be used for file services. Server directories appear as Windows drives.

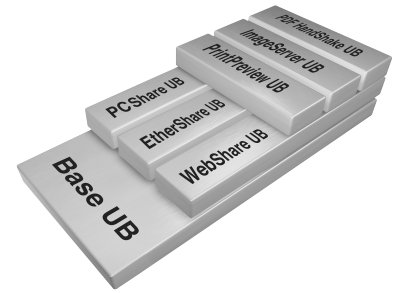
Server Features

- 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 and Macintosh clients, including special characters.
- Automatic name services routing between multiple network ports
- WINS client, server and WINS proxy

More details on the HELIOS Web site: www.helios.de/products/productshows.html

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Print Services

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

DHCP Server

The PCShare built-in DHCP server supports Windows and Macintosh clients. The DHCP server automatically distributes DNS, router, WINS and client TCP/IP addresses. A second server can be used as a DHCP backup server in case the main server fails.

HELIOS Base benefits

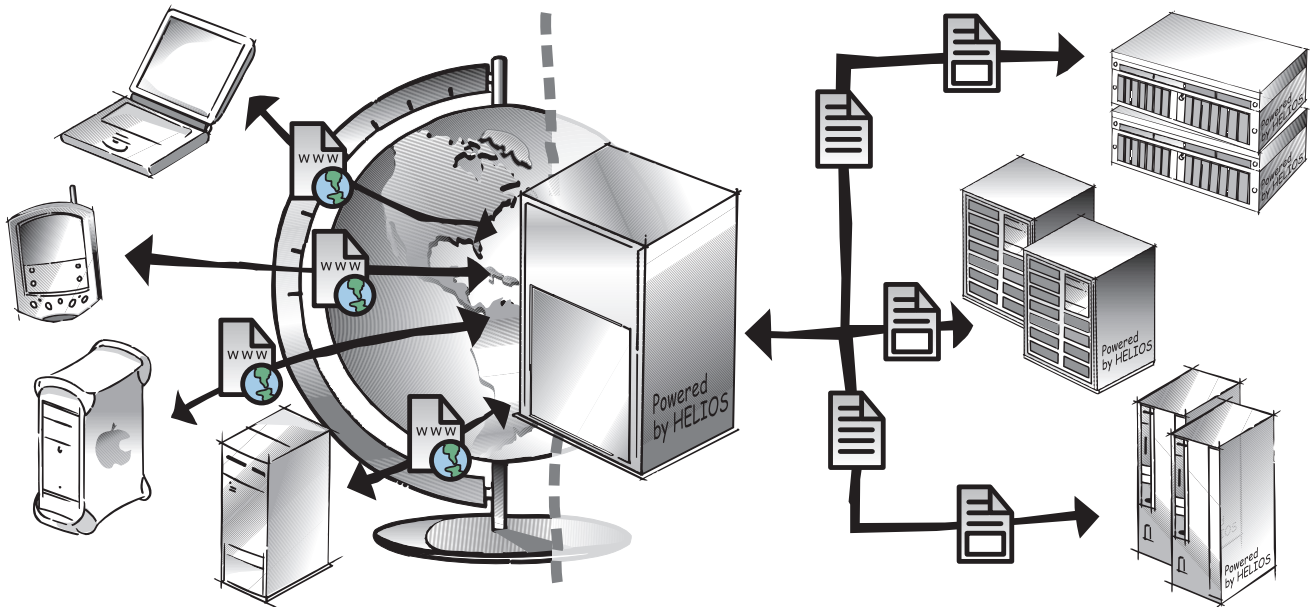
The PCShare file server uses HELIOS Base, which provides these core HELIOS technologies: Server Fail Safety, Unicode support, networking, and more.

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.

WebShare UB

Highest-Performance Server for Real Time Remote File Access

HELIOS WebShare UB 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 customers, suppliers, business partners or employees will eliminate the need to make files available via e-mail, burning CDs, or FTP, which often cause compatibility 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 WebObjects 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 credentials. Sharepoint based security allows further restrictions per user, e.g.: browse, preview, download, upload and file management.

Smart Ideas for Better Networking.

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 Macintosh Finder. Optional HELIOS ImageServer and PDF HandShake provide remote document previews, and offer Internet clients a live content verification/proof of PDF, QuarkXPress, and InDesign documents as well as of all major image formats. Remote OPI allows web clients to download OPI low-resolution images from the server and to upload completed documents for later printing with high-resolution images.

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

Fastest Performance HELIOS WebShare 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
- Any Web client supported

Server Features

- Two-tier server application
- Sharepoints with custom permissions
- Web based server administration
- RSA crypted login & HTTPS support
- Customizable user interface
- 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
- Compatible with Windows and Macintosh file formats

Remote File Preview (Optional)

- QuarkXPress Mac/Win documents
- Adobe InDesign Mac/Win documents
- Acrobat PDF documents
- TIFF, EPSF, DCS-1 & 2, BMP, PICT, JPEG, JPEG 2000 and PNG images

Flexibility

- All major server platforms

System Requirements

WebShare File Server

- One of the following server systems:
Apple Mac OS X, Linux, Sun SPARC Solaris, IBM pSeries AIX, HP Alpha & HP-UX and SGI IRIX
Details: www.helios.de/platforms
- 32 MB RAM; 4 MB per active client
- Licensed per WebShare file server

Product Highlights

Server Installation

- Fast, menu-driven installation from CD-ROM, easy installation for system administrators

Client Installation

- Any standard HTML Web Browser is supported, Java, JavaScript and Frames are not required

Server Administration

- Remote administration from Web browser
- Manage server settings, sharepoints, user permissions and accounting
- "WSAdm" group for Administration

WebShare File Server

- Native program running on file server
- Supports Windows NTFS and UNIX Unicode/UTF-8 file systems.
- Separate process per active user
- Filesystem security is enforced according to the user permissions, due to separate process 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 server login, additional customization possible in WebShare Perl Scripts
- TCP/IP security options, access lists
- Custom scripts with HTML forms
- E-Mail memo support included

A product from:

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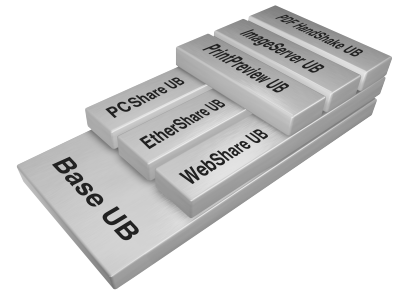
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WebShare WebObjects Server

- Java 1.4.x or newer runtime
- Any HELIOS supported server system
- WebShare WebObjects Server will handle multiple WebShare file servers

Clients

- Any Windows, Macintosh, UNIX client
- PDA's and other web browsers



WebShare WebObjects Server

- Java program running on server with Internet connections
- Customizable user interface via WebObjects Builder or any other HTML editor
- WebShare Web server uses one dedicated TCP/IP port for all Web clients. (Optional FireWall possible)
- No JavaScript required
- No external CGI-programs used
- No data files are stored or cached on WebShare WebObjects Server
- SSL content encryption is supported
- RSA 1024 bit encrypted passwords
- Security white paper: www.helios.de/products/WS/security.html

WebShare File Server Tools

- "zipstream" generates on-the-fly ZIP files to be compatible with Macintosh 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

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.)

- Custom permission options (e.g. allow additional read, write access)
- Performance white paper: www.helios.de/products/WS/speed.html

HELIOS Base benefits

The WebShare file server and the WebShare WebObjects server use HELIOS Base, which provides these core HELIOS technologies: Server Fail Safety, Unicode support, networking, and more.

Remote document preview

Additional features provided by HELIOS ImageServer UB:

- Previews of TIFF, EPSF, DCS-1, DCS-2, Scitex-CT, JPEG, PICT, BMP JPEG2000, JBIG2 and PNG images
- QuarkXPress document previews for Mac and Windows documents
- Adobe InDesign document previews for Mac and Windows documents
- PDF document previews (via HELIOS PDF HandShake option)

The remote document previews do not require access to the original documents, applications, images, fonts, etc.

Flexible Licensing Scheme

The WebShare File Server license is tied to a file server machine and a certain number of users. There is a 5 or 20 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.

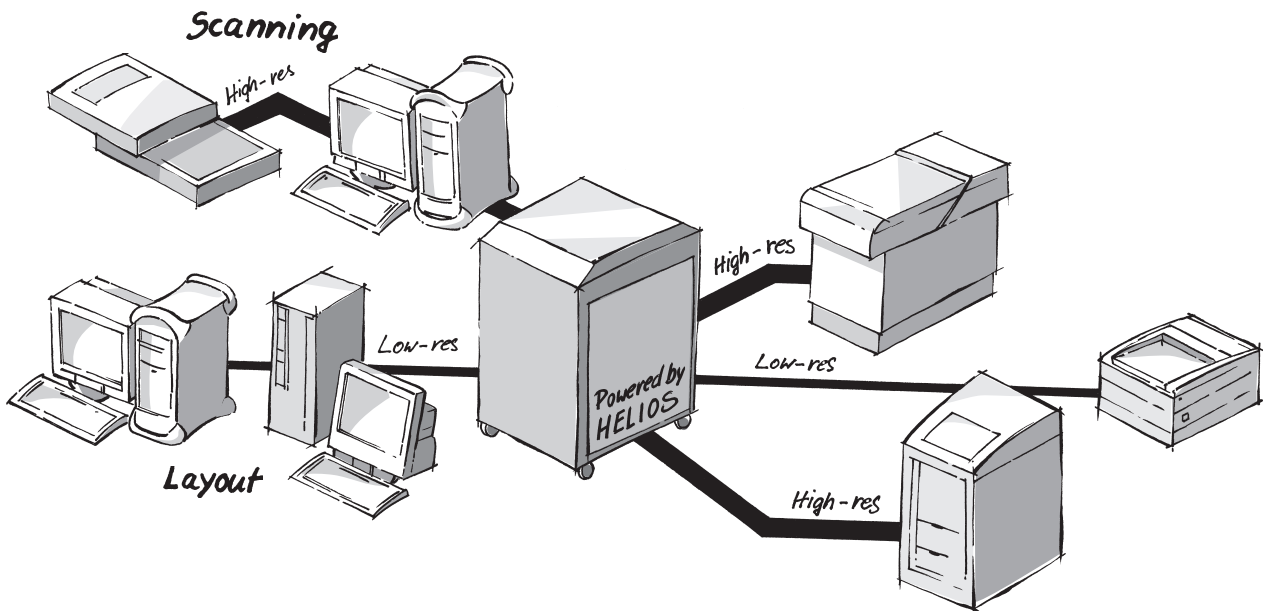
More details on the HELIOS Web site: www.helios.de/products/productshows.html

your HELIOS partner:

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ImageServer UB

Server-based automated Image Conversion,
ICC Color Transformation, OPI Replacement and Printing

HELIOS ImageServer UB is a server-based automated image conversion, color transformation and OPI image replacement solution. It supports all major image formats and color spaces as well as XMP, EXIF, clipping path and ICC meta data. Imaging tasks can be automated via "hot folders" and OPI image replacement. It is designed to shift very CPU-intensive image processing tasks from desktops to servers.

ImageServer can convert images to any supported file format, resolution, compression and color space. ICC profiles can be applied and/or tagged. 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. ImageServer tools can easily be integrated into custom solutions or automated by "hot folder" scripts.

Web Preview generation with customizable x/y pixel resolution of images or XPress/InDesign pages are supported. Images with a clipping path can be converted to transparent PNGs.

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. Conversion of different colors and resolutions is automatically done without additional copies of the high-res image. Remote users can be provided with layout images and return complete pages for final output. More good reasons for OPI based workflows: <http://www.helios.de/opibenefits>

Server-based Color Management

Using ColorSync/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.

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 Macintosh, Windows and UNIX

Image Features

- Optimized image conversion tools
- Script Server: automate tasks via hot folder Perl/shell scripts (no polling)
- File formats: TIFF, EPS, DCS1&2, JPEG, PSD, JPEG2000, PNG, PDF,...
- Color spaces: Lab, RGB, CMYK, ...
- Compressions: ZIP, JPEG, G3/4, ...
- Meta data: XMP, Paths, EXIF, ICC

Color Management

- Server-based on-the-fly color separation/proof matching and conversion
- Heidelberg ColorSync/ICC

OPI Image Replacement

- Colorized TIFF printing support
- DCS2/TIFF/PSD composite support
- On-the-fly OPI image replacement
- Conforms to OPI 1.3 & 2.0 specs
- Automatic layout file creation after file has been saved on server (no polling)

Cross-Platform Client Support

- Macintosh, Windows, UNIX clients

Smart Ideas for Better Networking.

System Requirements

HELIOS ImageServer

- 64 MB RAM in total, 8 MB per active image conversion/print device
- EtherShare UB for Mac clients, or PCShare UB for Windows clients, or WebShare UB for web clients
- Workstation to place and print OPI layout images to the HELIOS spooler

Product Highlights

Complete Cross-Platform Solution

ImageServer supports Macintosh, Windows and UNIX-based layout workstations and offers true transparent 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 Features

The "Script Server" service allows defining hot folders to automate processing tasks by dropping files into a folder to be processed by a custom script.

- Perl/shell scripts are supported
Easy Perl sample scripts are included
- Event-driven Script Server (no polling)

Server Image Conversion Features

Powerful image conversion tools

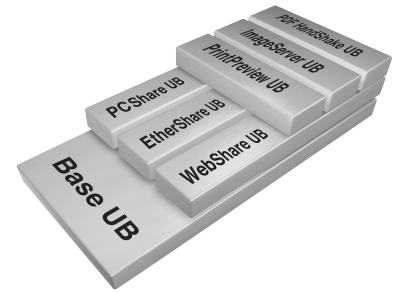
- Command tool with over 100 professional image conversion options, e.g. spot color, alpha channel, clipping mask, ICC profiles, XMP, etc. handling. Allows to convert on-the-fly between any supported file format, color space, compression and resolution, including ICC/ColorSync transformations/tagging.
- 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

A product from:

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- OPI-compatible applications like XPress and InDesign, etc.
- Any non-OPI-compatible software which can place and print EPS files
- Optional WebShare for remote OPI and image/document previews, PDF HandShake to support PDFs, HELIOS PrintPreview adds PS/EPS vector conversion support



OPI & Image Re-Purposing 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

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. Alternatively, low-res file generation can be done manually or with host scripts. These features allow powerful, versatile, reliable OPI implementation.

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.

Supported File Formats

- File Formats: TIFF, EPSF, DCS1&2, PNG, JPEG, JPEG2000, Photoshop, PDF (PDF HandShake option), BMP, JBIG2, PICT, Scitex-CT, and ICS
- 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.
- Support for down- & upsampling, cropping, rotate, and flipping
- Support of clipping paths and alpha channels can be enabled or ignored per server, volume or folder setting

ICC Color Matching/Separation

ImageServer contains ColorSync, the ICC-compliant color matching method cross-licensed with Heidelberg. 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. This late-binding workflow saves resources, allows optimum matching to specific devices, and preserves the integrity of original data for later re-purposing.

HELIOS OpenImage SDK

API allows adding new file formats, etc.

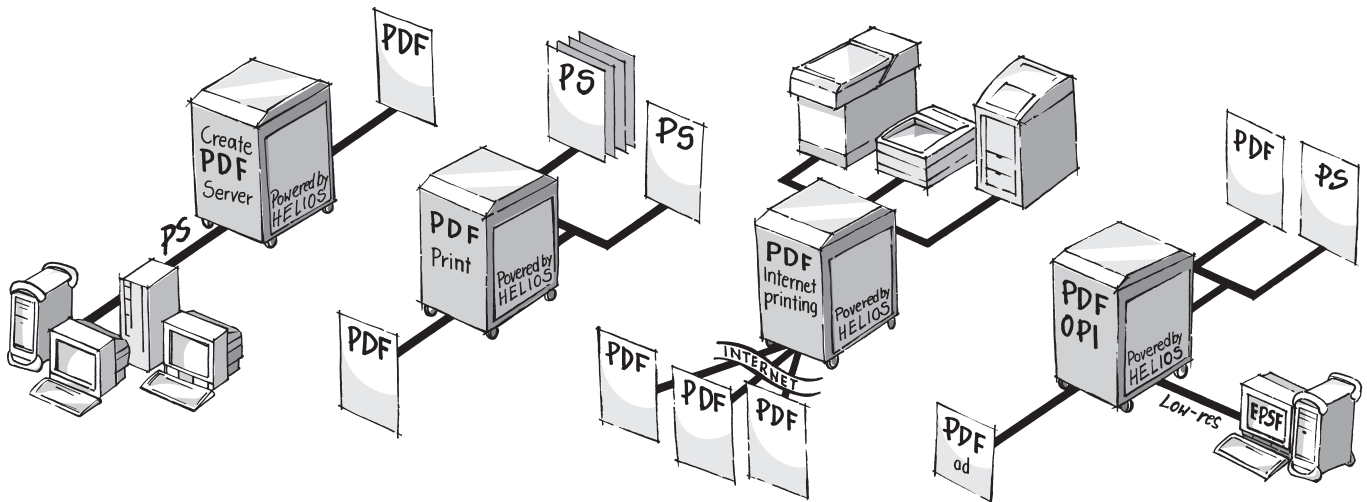
More details on the HELIOS Web site: www.helios.de/products/productshows.html

your HELIOS partner:

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PDF HandShake UB

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

HELIOS PDF HandShake UB 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. Macintosh, 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. Text and vector colors in RGB/CMYK/Lab gray, grayscale and black are detected and will be converted into black only. Perfect to color-normalize PDF's. 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 HandShake printing will always print correctly.

PDF Preflight is included, with Callas pdfinspektor 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 HandShake 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 Macintosh, Windows and UNIX

Create PDF Server

- Uses Acrobat Distiller 4, 5, 6 or 7
- Queue based workflow and settings
- Scalable via load balancing queues
- Fast, no temporary PS files on server
- Support for Win/Mac/UNIX clients
- PDF Preflight – Acrobat compatible

PDF Printing

- PDF 1.5 compatible
- Composite, in-RIP & host separations, and proof printing support
- ICC color management
- Output to any PostScript device
- TrueType & CID font support
- Printing via "pdfprint" tool, server "hot folder" or Mac Acrobat plug-in

PDF & OPI via ImageServer

- EPSF low-res files from any PDF, compatible with page layout software
- OPI Imposition support for PDF files
- PDF to high-res EPSF conversion
- PDF preview generation

System Requirements

PDF HandShake on Server

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

Product Highlights

Printing

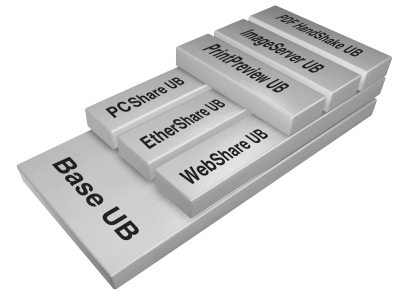
- Acrobat plug-in for printing directly from Adobe Acrobat 4-6 Mac
- "hot folder" printing from any client
- Print composite, host separated, and in-RIP separations including shadings and DeviceN (no support for transparency flattening)
- PDF 1.0-1.5, PDF/X support
- ColorSync/ICC support for printing
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
- PDF HandShake includes high quality ICC profiles for Cromalin, Euroscale, SWOP, NewsPrint, MatchPrint, etc.
- PDF tools included for batch processing and scripting: pdfprint, pdfcat, pdfinfo, pdfnote, pdftoeps, pdfform
- Hairline correction during printing
- Grayscale, black and white 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 unless the font is available. Missing fonts can be installed on the HELIOS font server
- Options: overprint black text, negative printing, ignore OPI references for PDF printing
- Registration marks and bleed support
- TrueType & CID Font support (at present not for double-byte CID fonts)

A product from:

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- Create PDF Server requires Acrobat Distiller 4.0.5, 5, 6 or 7 for Mac/Win
- PDF Internet Printing requires Apache
- Optional ImageServer for OPI and imposition features, WebShare for remote OPI and image/document previews, PrintPreview for a bitmap proof of PDF print jobs



PDF-native OPI

Adobe InDesign users can place OPI low-res bitmap images and export low-res documents as PDF 1.4-1.5 into a "hot folder". All OPI referenced bitmap 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 re-purposed 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
- Pre-separated PDF is supported

PDF and Imposition

Acrobat plug-in to export a low-res version of books in PDF format for

impositioning. Compatible with all major PostScript imposition software.

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
Multiple PostScript jobs can be processed in parallel on all available Create PDF Server machines
- No temporary PostScript files on the Create PDF Server
- Centralized Create PDF queue administration within HELIOS Admin.
There is no configuration required on different Create PDF Server machines

PDF Internet Printing

A Web server solution to receive PDF print jobs from users over the Internet. Try a live demo on the HELIOS web site, go to "Internet Printing live test drive".

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 Web site: www.helios.de/products/productshows.html

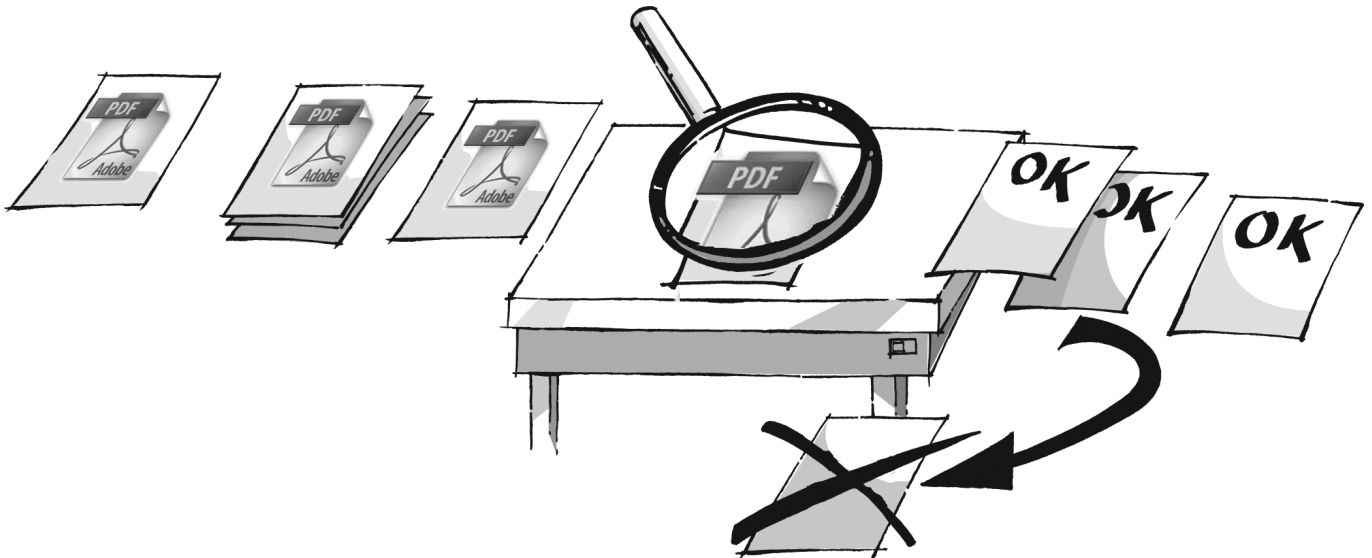
your HELIOS partner:

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pdfInspektor

Server Automated PDF preflight

PDF HandShake UB includes pdfInspektor from callas software

PDF is good, control is better

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

Server-based PDF preflight with pdfInspektor is Acrobat 6/7 Professional preflight compatible. It checks PDF files according to PDF 1.2 - 1.5 and PDF/X-3 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. 20 industry standard profiles are included to allow a quick start. They can be customized to meet precise needs.

Smart Ideas for Better Networking.

pdfInspektor is compatible with any PDF documents of the PDF 1.2 - 1.5 and PDF/X-3 specifications. Even the most complex PDF files are efficiently checked, including "Form XObjects".

Compared to other solutions, pdfInspektor never modifies the original PDF files when checking them, which preserves job ticket and XMP meta data.

PDF standard corrections can automatically be performed by PDF HandShake Print and "Create PDF Server" to fix problems such as hairline minimum 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)
- Test report in ASCII, XML, or PDF
- Tagging for PDF/X
- Web based PDF preflight via optional HELIOS WebShare Action Script

Compatibility

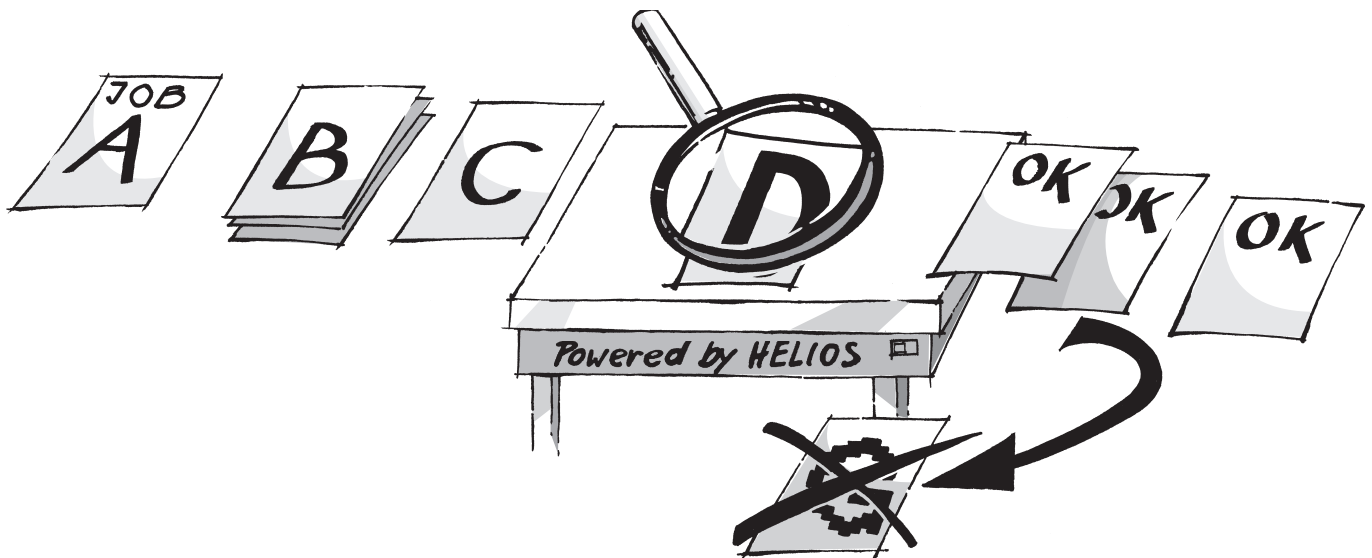
- Acrobat 6/7 Professional compatible preflight profiles and engine
- PDF 1.2, 1.3, 1.4, 1.5 and PDF/X-3
- "Form XObjects" PDF support
- Never modifies original PDF files, preserves job tickets and meta data

Supported server platforms

- Solaris, Linux, Mac OS X, Windows

PrintPreview UB

Local and Remote Proofing on Monitor and Printer
PostScript 3/PDF* Compatible Preview Rendering

HELIOS PrintPreview UB generates accurate color-matched proofs of PostScript and PDF* print jobs. Files are rendered as bitmapped pages in a PDF file. Ideal for pre-flighting, local and remote proofs throughout the production cycle, and as a final job check prior to printing.

PostScript/PDF RIP allows proofing of composite, host or in-RIP separated print jobs. Previews include a color matched recombined color preview as well as all separation plates. Previews are based on the final output devices' PPDs and are true representations of the final output in all aspects regarding completeness and accuracy of page elements, correct colors, typography, and font usage. Today's printing features like DeviceN, smooth shadings, knockout/overprint, ICC-CRDs, PostScript, TrueType and CID fonts are fully supported.

Color Fidelity can be verified on a monitor, or inkjet bitmap or PostScript color printer. The recombined and ICC color matched preview simulates the final printing color and paper on the monitor or printer.

Full Job Control via printer queue based remote administration automatically opens the PDF preview files in Acrobat Reader. The operator can check the jobs on screen or proof printer and release them for production, e.g. with a simple "drag and drop". Previews can automatically be saved into custom folders to be checked by other users or remote customers. The size of the previews depends upon page format and chosen resolution. It is typically just a few hundred kilobytes per page.

RIP Tool allows preflighting jobs and generating raw bitmaps of EPSF and PostScript jobs. Optional HELIOS ImageServer adds TIFF, JPEG, PNG, JPEG2000, and other file formats.

PrintPreview requires HELIOS PCShare or EtherShare, or WebShare to receive print jobs from clients. HELIOS WebShare allows web based job verification. HELIOS PDF HandShake adds PDF support.

* PDF separations via HELIOS PDF HandShake or Acrobat Professional

Features & Benefits

Ease of Use

- Easy to install, administer, use
- Remote server administration from Macintosh, Windows and UNIX

Flexibility

- PostScript Level 1, 2 or 3 emulation
- PDF jobs via PDF HandShake option
- in-RIP separation support
- DeviceN and spot color support
- True color previews of separated jobs
- Previews of final separation plates
- RGB, CMYK, or CIE-Lab previews, e.g. for soft-proofing on monitor, for hard-copy proof prints
- Previews of pages with errors including all drawing until the error occurs
- PDF 1.3/1.4 based bitmap proof

Smooth Workflow

- Preview & proof to local Mac or PC printer, including non-PostScript
- Full control in HELIOS Admin, view, forward and release print jobs
- Printer queue based job processing
- Scriptable tools, queue notify scripts

Cross-Platform Client Support

- Macintosh, Windows, UNIX clients

Smart Ideas for Better Networking.

System Requirements

PrintPreview on Server

- EtherShare UB for Mac clients, or PCShare UB for Windows clients, or WebShare UB for web clients
- For best performance, 64 MB RAM per active PrintPreview queue.
- PDF HandShake or Acrobat Professional for PDF separations

Product Highlights

Supports Any PostScript Job

It does not matter on what platform and from which application a PostScript/PDF job was created. Standard separated jobs, jobs with any number of spot color plates, composite and in-RIP separation jobs are supported.

Structure of Preview Files

For each PostScript job sent to a HELIOS spool queue with previewing enabled, PrintPreview renders each page and saves the resulting bitmap proof pages into a PDF file. Separations are combined to provide a color-matched composite preview of each page. The resulting PDF preview file includes a job ticket, and a chapter for each document page, containing the bitmapped separation plates (including spot colors) and the composite page preview.

Preview's Job Ticket Information

PrintPreview includes text-based job information at the beginning of each preview document. It tells the necessary details about the job, including:

- HELIOS spool queue used
- Print client's name
- Date, time, and name of print job
- Number of pages in the job
- Preview resolution and color space
- ICC printer and proof profile settings

A product from:

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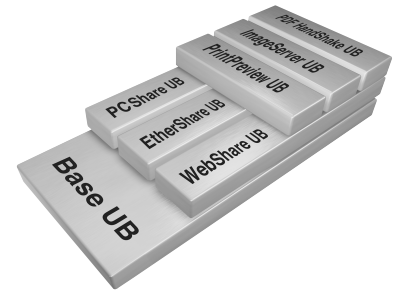
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9/2005

Supported Jobs

Any separated or composite PostScript job; ADSC compliance recommended

Workstations for Previewing

- Any client with Adobe Reader
- Optional HELIOS WebShare for web-based remote previews



Preview Queue Options

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.

Available options include:

- PPD specifies PostScript version, fonts, paper size, etc.
- In-RIP separation including DeviceN
- Inclusion of separation plates
- Inclusion of composite color pages (from composite and separated jobs)
- Resolution of preview bitmap
- Anti-aliasing of preview
- On-the-fly ZIP or JPEG compression of output bitmap
- ICC profiles for printer and proof
- Spot color editor allows specifying composite colors of spot names
- Output folder and hold/error queues
- Supports overprint and shadings

Accuracy of Preview Files

The preview file provides an accurate representation of 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. The previews allow reliable production checks just before the jobs are issued to the final RIP or press – a must for direct-to-plate/press/paper workflows or short-run digital color printing.

Remote Proofing

Web based color-matched proofing of any job, page, resolution is supported with the HELIOS WebShare option. Preview files are stored in the queue's spool directory or in a shared volume. Jobs can be viewed and handled by any client with proper access to these directories using a PDF viewer.

Preview Handling in HELIOS Admin

For viewing in Acrobat Reader, previews can be opened within HELIOS Admin by a double click in the spool job listing. Jobs can then easily be checked on-screen and released for final output.

ICC Color Proofing

PrintPreview queues can be set up to simulate the color capabilities of the final device on a monitor or printer. This offers convenient soft-proofing of the whole document with all its colors – be it raster images, vector graphics, text, graphical elements, etc. – on screen as well as easy hard-copy color proofs. Even color proofing on suitable, non-PostScript PC ink-jet printers is an option – achieved by printing the preview's proper RGB or CMYK bitmap with Adobe Reader.

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.

More details on the HELIOS Web site: www.helios.de/products/productshows.html

your HELIOS partner:

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