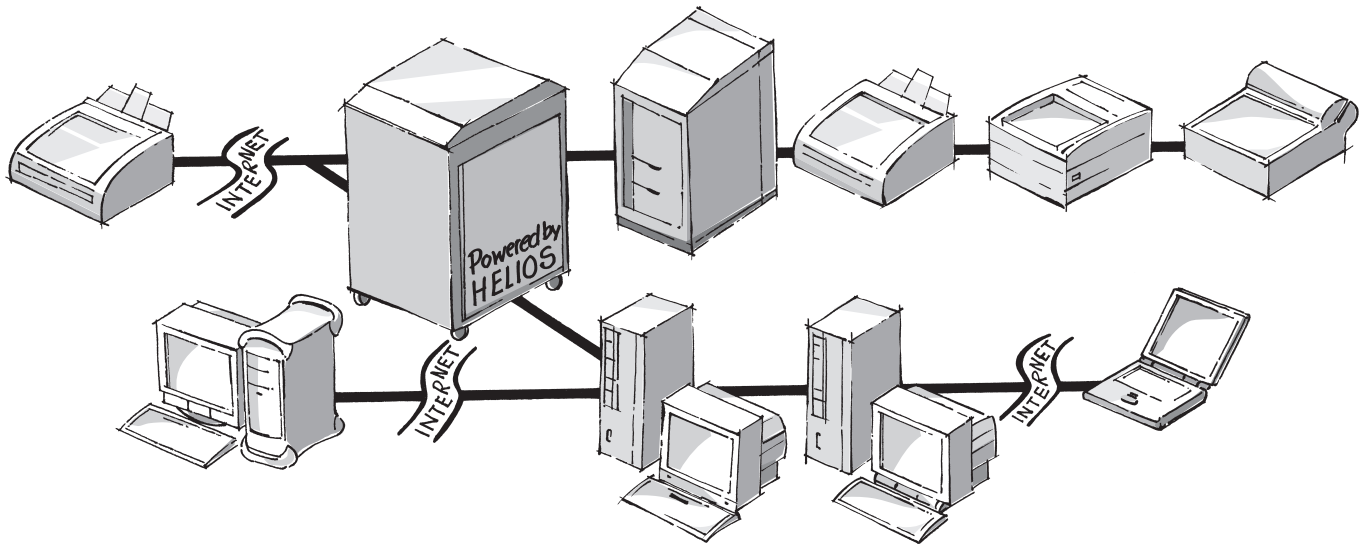# Base UB2 for Windows

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 archiv-
ing 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.

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 comput-
ers, devices, and services on IP net-
works 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

Smart Ideas for Better Networking.

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
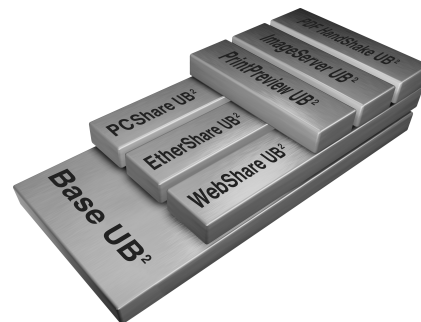- Integrated into Windows Services

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.

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

Your HELIOS partner:

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