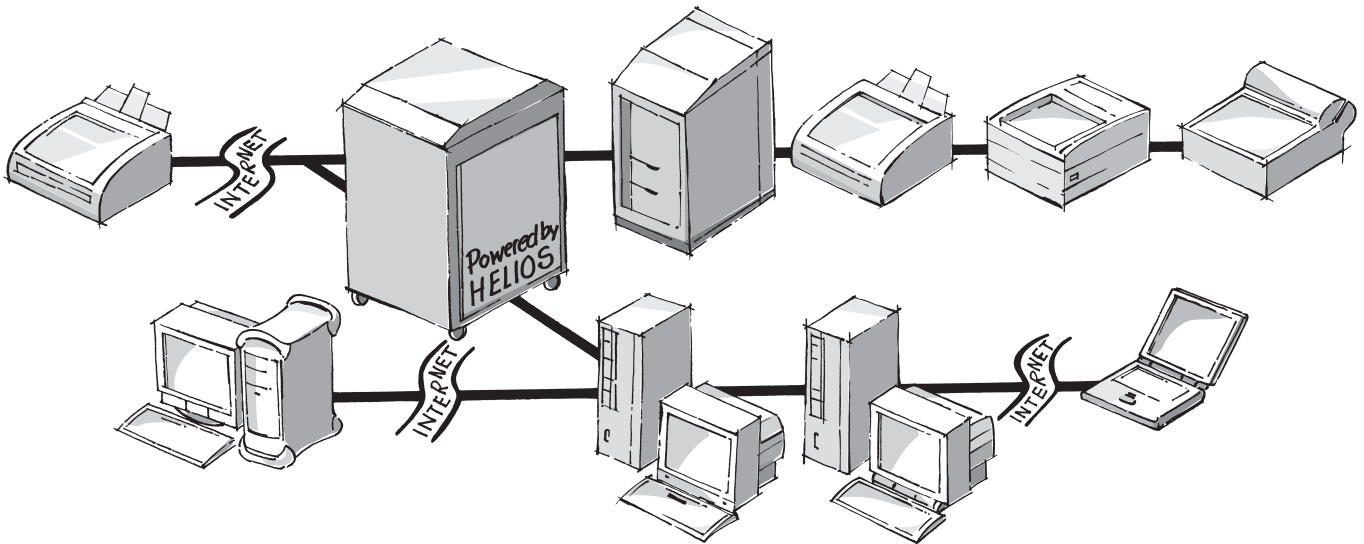


# Base UB for Windows

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](http://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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- 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](http://www.helios.de/products/productshows.html)

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