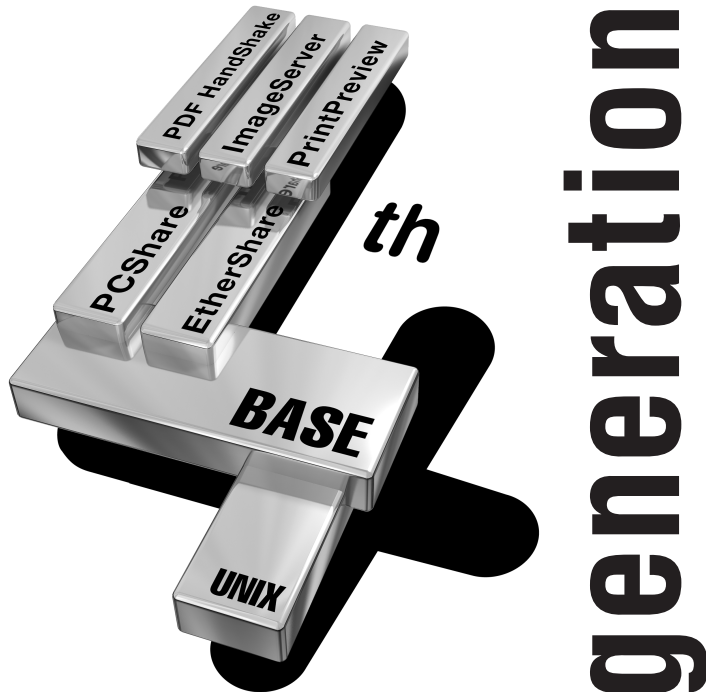
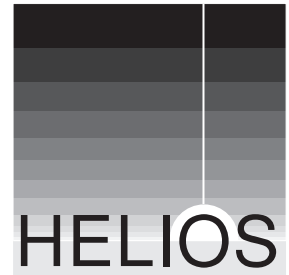


# HELIOS Base 1.1

Superior Server Foundation for all HELIOS Products



**HELIOS Base** is the innovative foundation used by all HELIOS 4th generation products. It incorporates the advanced server technologies developed by HELIOS over many years. These core HELIOS technologies include Server Fail Safety, Unicode support, networking and imaging libraries, 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 new 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 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.

**64-bit Support** HELIOS Base removes the 2 GByte file size limits of 32-bit computing. On all supported platforms the HELIOS libraries are 64-bit based, so print jobs and files can be as large as 8 million terabytes.

**Unicode** is the 16-bit character encoding which includes all the different characters used worldwide (up to 65000). All HELIOS services and tools use Unicode to allow cross-platform UTF-8 file names to be shared by UNIX, Windows and Macintosh users.

**Advanced Printing System** HELIOS Base provides the state-of-the-art HELIOS Printing System to all other HELIOS products.

There is no extra charge for the HELIOS Base product.

**Smart Ideas for Better Networking.**

## Features & Benefits

### Ease of Use

- Easy to install, administer, use

### 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
- 64-bit large file support
- TCP/IP SLP Server Service & Directory Agent. All server services will be registered via TCP/IP for easy browsing
- Unicode 16-bit character support
- Easy migration to other HELIOS supported server platforms
- HELIOS Software Installer
- HELIOS Update Installer, with Internet Update Download support
- Common libraries
- Central start/stop and scripting
- Server preferences repository, global storage of all server settings, tools for management
- ICC-Profiles repository
- HELIOS SDK available

### Flexibility

- Scalable UNIX servers from Sun, HP, IBM, SGI, Apple, Linux, etc.

## System Requirements

### Supported HELIOS Server

- One of the following UNIX systems:  
Sun SPARC Solaris, IBM RS/6000  
AIX, HP-UX, Silicon Graphics IRIX,  
Compaq Alpha UNIX, Apple  
Mac OS X and Linux Pentium
- 16 MB free RAM for HELIOS Base,  
additional memory will be used by

## Product Highlights

### Server Installation

- Fast, menu-driven installation from  
CD-ROM, easy installation for system  
administrators
- Extensive documentation in printed  
manuals and on-line

### Server Administration

- TCP/IP security options, access lists
- Central start-helios/stop-helios script  
to control all HELIOS services  
including additional custom scripts
- Central location for custom scripts
- HELIOS Services, "srvutil" front end  
to manage different services
- Server preferences tools:  
prefdump, prefvalue, prefstore
- Central passwords up to 64 bytes
- Open files tool

### Server Fail Safety

All HELIOS applications are started and stopped via 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 including third-party applica-  
tions and scripts via preference set-  
tings
- HELIOS SDK available to develop  
additional start/stop COM plug-ins to  
permit more control, e.g. start, stop,  
restart events, messages, etc.

### A product from:

HELIOS Software GmbH  
Steinriede 3  
30827 Garbsen  
Hannover, Germany  
Fax: +49-5131-709325  
Internet: [www.helios.de](http://www.helios.de)

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10/2002

UNIX caching and provides faster  
performance. Memory requirements  
for other products see data sheets

- TCP/IP network connection, optional  
NFS, NIS/NIS+, DNS, ...
- At least one network adapter; multiple  
adapters for load balancing in  
heavy- duty environments

### Unicode

All HELIOS services utilize Unicode. The  
following client encodings are sup-  
ported: MacRoman, PC-850, ISO-8859-  
1, Japanese Shift JIS, Korean EUC-KR.

- Unicode UTF-8 is used for file names
- "uniconv" tool converts files and file  
names between different encodings
- HELIOS SDK is available to develop  
additional client encodings or to use  
the HELIOS conversions in custom  
applications

### 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  
BSD LPR compatible, but includes  
significant additional features.

- Fully BSD "lpr/lpd" compatible, all  
batch lpr tools are included
- PostScript, PDF and other jobs are  
supported

### Extensive Output Options

- Error and hold queues for all queues  
to reprint and monitor the jobs done
- Print to Remote LPR printers, with 64-  
bit jobs between HELIOS Base "lpr"  
printers, and 32-bit jobs to other "lpr"  
based printers
- Printing via TCP/IP Stream
- Print to Disk including compression
- Print to AppleTalk PAP Printers  
(requires EtherShare 3.1)

### HELIOS products using Base

- HELIOS EtherShare 3.1
- HELIOS PCShare 3.1
- HELIOS ImageServer 2.5
- HELIOS PDF HandShake 2.1
- HELIOS PrintPreview 2.0
  
- Print to Windows SMB/CIFS printers  
(requires PCShare 3.1)
- Print to Create PDF queue  
(requires PDF HandShake)
- Time queue to specify printing times
- Balance queue for load balancing
- Clone queue to duplicate jobs for dif-  
ferent workflows
- PrintPreview queue to check bit-  
mapped composite and separated  
previews of PostScript and PDF jobs.  
(requires PrintPreview, optional PDF  
HandShake for PDF files)
- Print job accounting

### HELIOS Update Installer

- Each HELIOS installed file has a  
version number and is managed by  
our version control system
- Automatic download of updates from  
the HELIOS Web server
- Automatic installation of updates  
including dependent updates
- Option to roll back installed updates

### Migration to other platforms

All installed HELIOS products and set-  
tings can be transferred to a new  
platform by installing the HELIOS prod-  
ucts from CD and moving the HELIOS  
"var" folder to the new platform. All  
server settings including volumes and  
printers are transferred to the new plat-  
form and are automatically re-created on  
the new system.

- Migration from previous product  
versions is supported

**More details on the HELIOS Web site:** [www.helios.de/products/productshows.html](http://www.helios.de/products/productshows.html)

your HELIOS partner:

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