UB64 · Unbreakable Server Solutions
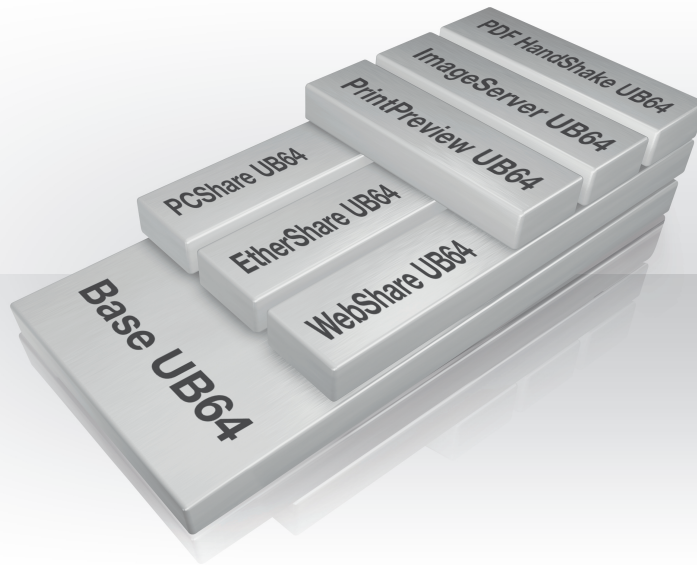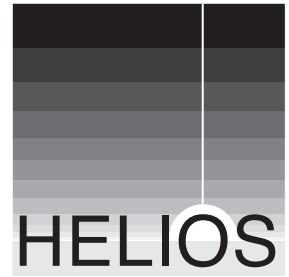
HELIOS Base UB64

Superior Server Foundation for all HELIOS Products

HELIOS

HELIOS Base UB64 is the innovative foundation used by all HELIOS UB64 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.

HELIOS DHCP Server provides TCP/IP configurations to Windows, Mac, and other network devices.

Synchronization Service allows synchronizing folders or entire volumes to a second folder/volume. Allows syncing to external storage (e.g. a second location) mounted via NFS. The synced data copy can be published for easy client access.

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")
- 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,…)
- Synchronization Service
- 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, Windows
  Details: www.helios.de/platforms
- TCP/IP network connection, optional NFS, LDAP, AD/PDC, NIS, DNS, …
- Java 6 or newer

- 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

Windows

- Perl 5.8.4 or newer

Products using HELIOS Base UB64

- HELIOS EtherShare UB64
- HELIOS PCShare UB64
- HELIOS WebShare UB64
- HELIOS ImageServer UB64
- HELIOS PDF HandShake UB64
- HELIOS PrintPreview UB64
- HELIOS IT Monitor Server UB64

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 UB64)
- Print to Windows SMB/CIFS printers (requires PCShare UB64)
- Print to Create PDF queue (requires PDF HandShake UB64)
- Print to PDF bitmap proof queue (requires PrintPreview UB64)

A product from:

HELIOS Software GmbH
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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