

# Open Source Client-Management-System opsi



## opsi extensions

### Co-funded opsi extensions

The core features of opsi are, among others, to be open source and also free of license fees. Nevertheless the development of new opsi modules costs money. Thus uib created the co-funding process as an instrument to finance its development.

In this co-funding projects, the opsi extensions are only available to those customers, that contributed to the development costs.

As soon as the development of a co-funding project is financed, the component will be part of the opsi distribution and can be then used free of charge. As already stated it will be open source (as long as is not prevented by technical reasons).

To learn more about the contribution fees of the opsi extensions, please take a look at <https://uib.de/en/opsi-cofunding/prices/>

The current state of all the co-funding projects is also published there.

### Directory Connector

Avoid data maintenance on multiple systems and transfer data from your directory service directly into your management tool. This prevents the need for additional maintenance and assures data consistency. It's irrelevant whether your LDAP is an Active Directory or a Samba 4 domain.

### User-Roles

Should Administrators, on separated depot servers, be able to see data and interact only with their own environment? Should they have access to the management interface, but still have no access to global server administration?

This Extensions give you the possibility, that the access to the opsi-Management Interface may be restricted to a single depot server and it's clients. A read-only access is possible as well.

### WIM-Capture

The complete installation of a Windows system takes a long time due to the huge number of hotfixes and software being installed.

Opsi-WIM-Capture gives you the possibility to capture an existing system, with all hotfixes and software installed, into a Microsoft WIM (Windows Imaging Format). This WIM can be used to install a new system including all captured hotfixes and software. By using WIM, the installation is performed by the original Microsoft setup program, similar as being installed from the original Windows DVD.

### Scalability 1

On large installations with numerous clients (over 2000), several locations or heavy load peaks while

starting many clients at the same time, the standard opsi-server configuration may suffer from a so call performance bottleneck. The standard configuration uses only one processor for the central opsi service. The opsi extension ‚Scalability 1‘ gives you the possibility to distribute the load over multiple processors and so serve very large installations.

At the moment this is implemented by providing multiple virtual opsi-servers which use one shared database backend.

An enhanced solution without virtual machines is under development and after release, it will be part of this extension.

### Local Image Backup

This opsi extension is developed specially for schools, to restore the software of the students clients or classrooms during breaks.

An image of the initial installation of a client is stored in a special partition on the local client.

This image can be used to perform a fast restore. The system Administrator can trigger the backup and restore with the switches ‚image backup‘ and ‚image restore‘.

The local storage of images allows many clients to be restored at the same time without blocking the local network. The sale of this extension is

restricted. Further information about this module may be provided on request.

## Nagios Connector

The opsi Nagios connector can be used to monitor opsi environments with Nagios or Nagios derivatives like e.g. Icinga.

The main functions are:

### → Monitoring opsi-server functions

The opsi-servers (even in shared environments) send their state and performance data to Nagios without the installation of any additional Nagios plugins.

### → Monitoring software rollouts with opsi

The results of software rollouts are transmitted to the monitoring-server, grouped by clients or by software. So during the software deployment a quick overview of success or possible errors is available.

### → opsi-client monitoring

On each client checks can be executed via opsi-client-agent. The results (even from distributed environments) are returned to the Nagios server.

## WAN Extension

The management of out of the office or home office clients doesn't have to be a problem.

An intelligent caching mechanism ensures that even remote clients can be up to date without affecting the user. The connection to the opsi server doesn't have to be permanently maintained.

The administrator has control over the computer, and the results are reported back to the opsi server at a proper time. This extension is also recommended for unstable network connections.

## License Management

The opsi extension License Management can be used to standardize and simplify the complex and laborious management of software licenses for software installed on opsi managed clients.

The main features are:

- Same management interface as software deployment and OS installation: the opsi Configuration Editor.
- For opsi products, license keys can be automatically allocated, assigned and reserved.
- Supported licensing models are: single license, volume license, license bound to a specific host and licenses to which the number of concurrent usages is regulated by a server.
- Automated release of license keys when uninstalling software or removing the host.
- Manual processing of allocated licenses e.g. for software that is not deployed with opsi.
- Generation of several types of reports: overview usage, documentation of use, reconciliation of opsi managed licenses with the ones found via opsi Software Inventory.

## UEFI / GPT Support

Nowadays more and more PCs, Tablet PCs and Servers hardware come equipped with UEFI BIOS. Often these boards can be configured in Legacy mode to keep the old features, Especially the PXE-Boot support.

But also an increasingly number of devices with UEFI BIOS, do not have a Legacy mode (Especially Tablet PCs). So they can't be administrated via Netboot, which is required for the current opsi environment.

The opsi extension module for UEFI / GPT allows the integration of UEFI devices into the opsi environment

## Linux Support

The idea behind this extension is to provide a comprehensive Client Management system to support heterogeneous environments (Windows and Linux).

The focus is on the complete integration of both worlds into the same management process with one single tool.

This allows handling Linux installations the same way as Windows installations. The Linux opsi-client-agent is based on the same code as the Windows opsi-client-agent and uses the same commands.

The opsi Linux Support is distribution independent. The Distributions: Debian, Ubuntu, OpenSuse / SLES, RedHat / CentOS, UCS are supported uniformly.

## MySQL-Backend

The opsi default backend is file based. For larger installations (> 250 clients) the faster MySQL-Backend is recommended due to its higher performance.

**If you want to test the restricted modules, please contact [info@uib.de](mailto:info@uib.de) and ask for a temporary activation file for evaluation.**