

opsi Features

opsi
Version 4.0

opsi - Open Source Client Management

Client and Depot Administration / Management Interface:

- Group management:
 - Create client groups via drag & drop
 - Select and process groups of clients
 - Save and load client groups
 - Use hierarchical groups (groups in groups)
- Client selection based on criteria like installed software, software version or hardware
- Client management either globally or for specified depot servers
- Creating, renaming and deleting clients easily
- Wake on LAN support
- List of clients showing client name, description, IP number, and other data:

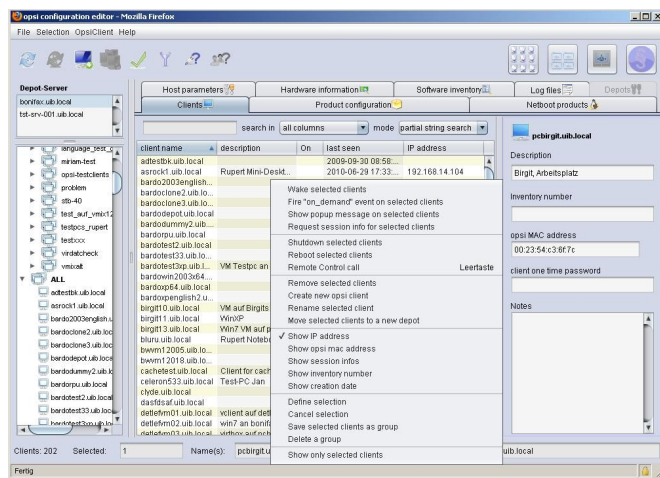


Fig. 1: opsi configed: client and depot selection

- Presentation of installable products with installation state, reports of action processing, requested action, priority and installation sequence
- Display of installable and installed software and versions
- Presentation of software and hardware inventory data
- Editing client and server configuration data
- Retrieval of server and client log files
- Installations on demand for selected clients
- Sending messages to the clients
- Products can be assembled to groups
- Graphical management interface, which can be used platform independent via web browser or webstart

Netboot products: OS Installation and more

- Installation via PXE boot or via CD
- Supported operating systems:
Win XP / 2003 / Vista / 2008 / Win 7 / 2008R2 (32/64 bit)
- Package based unattended installation
- Simple integration and automatic detection of new client hardware drivers (PCI, USB, HD-Audio)
- Save and restore NTFS-Images
- More netboot products like memtest, wipedisk, ...

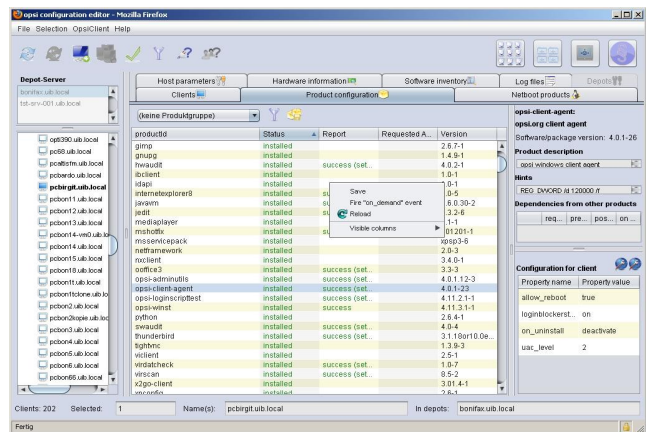


Fig. 2: opsi configed: product configuration

Localboot products: Software deployment

- Software installation and uninstallation via different methods like silent / unattended installation, interactive setup with recorded answers and difference analysis
- Editing of registry, start menu and desktop entries, ini-files, XML files and text files
- Calling external programs and scripts, catch and provide their output as variables for further processing
- File copy with or without version control
- Reboot and shutdown control
- Logging
- Administrative tasks e.g. via WMI calls

Opsi packages

- Contains all installation files, scripts and metadata in one file
- Simple menu driven creation of packages
- Installation tool which supports installation and administration of opsi packages on multiple depots in different locations
- Package administration without root privileges

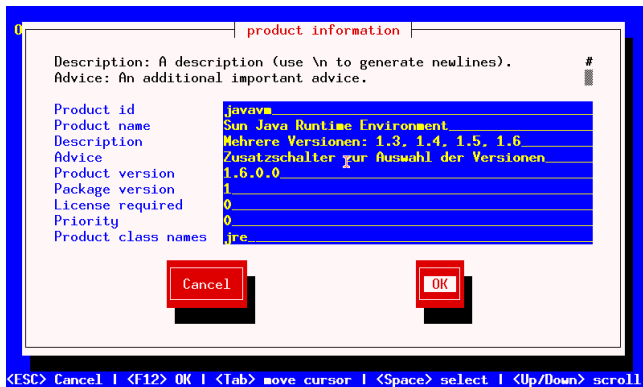


Fig.3: Creating a package

- The presentation of software versions and package version gives you a powerful package administration (Product Lifecycle Management)

Hard- and Software Inventory

- Detailed detection of hardware information via WMI and other commands
- Hardware inventory also available from Linux boot image
- Gathering software inventory data from the registry
- Central storage of the inventory data, optional in a SQL backend with history function

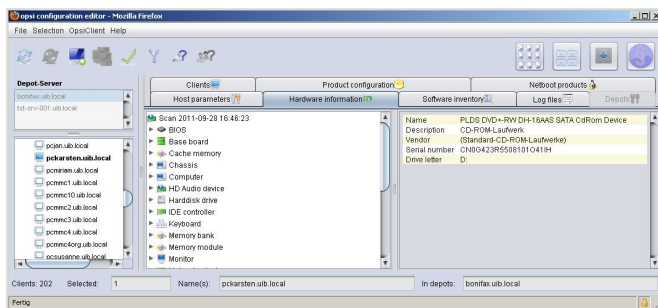


Fig.4: Presentation of hardware inventory

Miscellaneous

- Simple initial roll out of the opsi-client-agent
- Central logging and presentation of the log files via the web based management interface
- opsi server runs on Debian, Ubuntu, UCS, OpenSuse, SLES, RedHat Enterprise Linux, CentOS
- Software on Demand (Kiosk-Mode)
Approved software may be requested for opsi installation by the end user

Cofunding Projects

The following modules are optional and expand the functions of the free opsi version. You will find the prices here: http://download.uib.de/doku/opsi-module-prices_en.pdf

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Contact:

Please visit us at the opsi.org project web site <http://www.opsi.org> or for commercial support at <http://uib.de/en>

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- **License Management**
Standardization and simplification of managing the licenses of not free software

- **MySQL-Backend**
Saving configuration data in a database. Improving performance for large installations with many clients

- **Support of opsi clients connected via WAN**
All installation files and data will be cached on the client in the background before installation.

- **User Profile Management**
User profiles may be manipulated with administrative privileges and after the users login.

- **Dynamic Depot Selection**
Automatic allocation of the best download depot for a client

- **opsi-Nagios Connector** (in testing)
Monitoring of opsi server functionality, opsi rollouts, opsi clients

- **Load Balancing / High Availability / Multiprocessor Support** (in process)
Allows the use of multiprocessors for hot standby / load balancing installations

Concept

The opsi-configuration-editor and all other components communicate via HTTPS calls with the opsi web service.

The web service retrieves data from and writes data to specified backends. Which backends are used is completely transparent for the other opsi components.

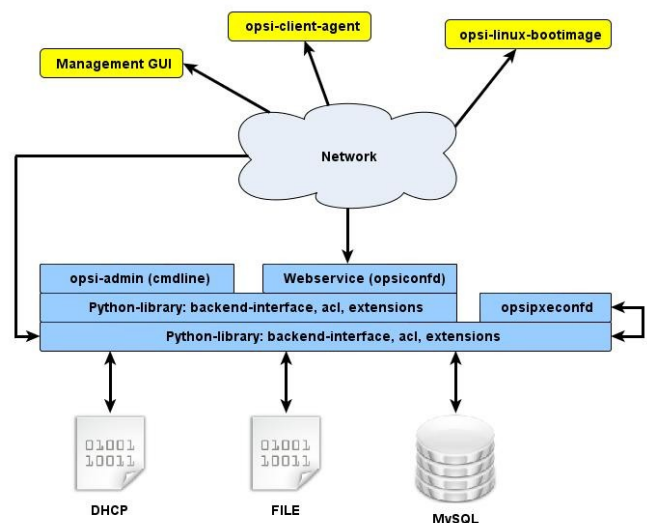


Fig.5: Modular web service based architecture

The following data backends are supported:

- ➔ Property file based
- ➔ LDAP based (deprecated)
- ➔ MySQL based

System administrators acknowledge the completely open architecture of the opsi system: Everything can be analyzed down to the elementary configuration item.