FusionInventory — Time to unify them all

fusioninventory.org

Fabrice Flore-Thebault
`fab@centsix.org`

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Outline

Merge of 2 projects

- Tracker agent for GLPI
  - Network discovery with nmap, NETBIOS and SNMP
  - SNMP query

- OCSInventory-ng Unix Agent
  - Inventory of hardware, software, processes
  - Deployment of packages

- Same ecosystem
  - GLPI project

Factorize

- One unique agent on every platform
  - Unices, Linux, BSD, MacOS X, Windows
- Offer a modular platform to other projects needing an agent
  - Interested projects : OPSI, unattended-gui

Network discovery

- nmap
- NETBIOS
- SNMP discovery

Assets inventory

- Local inventory
  - hardware, software, processes, virtual machines
- Remote : SNMP queries
  - Network devices, printers

Send data to servers

- OCSInventory-ng
  - Local inventory data

- FusionInventory Server plugin for GLPI
  - SNMP collected data
  - Network discovered devices

RPC Server wait for commands

- Wake on LAN
- Network discovery
- SNMP query

Deployment

- OCSInventory-ng using peer to peer and SSL

Perl

- needed and recommended CPAN modules
  - libmodule-install-perl libproc-daemon-perl libproc-pid-file-perl libcompress-zlib-perl libnet-ip-perl libnet-ssleay-perl libcrypt-ssleay-perl libwww-perl libxml-simple-perl libnet-snmp-perl libparallel-forkmanager-perl libnet-cups-perl libfile-copy-recursive-perl
- external recommended tools
  - dmidecode nmap pciutils read-edid smartmontools ipmitool

Some platform specific code

- AIX
- BSD
- HPUX
- Linux
- MacOS
- Solaris
- Win32

Packaging

- Linux distributions, *BSD, Unices
  - Modularization of the packages
- MacOS X
  - have a simple deployable package
- Windows
  - NSIS packaging in progress

Immediate advantages

- SSL Peer to peer deployment for OCSInventory-ng
- Wake on LAN
- RPC server on the agent
- UTF-8 support
- Windows portage in progress

Long term advantages

- Full integration in GLPI
- Backward compatibility with OCSInventory-ng server

Ressources

- fusioninventory.org
- glpi-project.org
- ocsinventory-ng.org