



GLPINETWORK

GLPI PRESENTATION FOR REDIRIS



Who we are



GLPI EDITOR & COMMUNITY LEADER

- We develop free & open software solutions
- Annual subscription for editor's support is distributed indirectly via network of 25 partners worldwide



GLPINETWORK



KIMIOSDMS



UHURUMOBILE



ARMADITOANTIVIRUS



FLYVEMDM

www.teclib-edition.com



GLPI INTEGRATOR

- IT service provider & GLPI software specialist
- Silver Partner of Teclib' in Spain



www.tic.gal/en

DNI de la solución

NAME: GLPI (**G**estion **L**ibre de **P**arc **I**nformatique)

COUNTRY OF ORIGIN: France

LICENSE: GPL v2+

TARGET PUBLIC: Public and Private companies

KEY POINTS

- Powerful web tool for IT Management (ITSM)
- Open source tool under GPL License
- Multi & cross-platform (Linux, MS, MacOS)
- Multilingual support
- Multi user support
- Multi-entity (customer, organization) management
- Multiple Authentication System



WHO USES IT

- 1 000 000 of downloads
- 15 000 users on Community forums
- 5 000 corporate users in 20 countries
- 80 releases
- 47 languages available
- 14 years of existence

<http://glpi-project.org>

50 000 corporate users

EDUCATION



PRIVATE CORPORATION



PUBLIC INSTITUTION



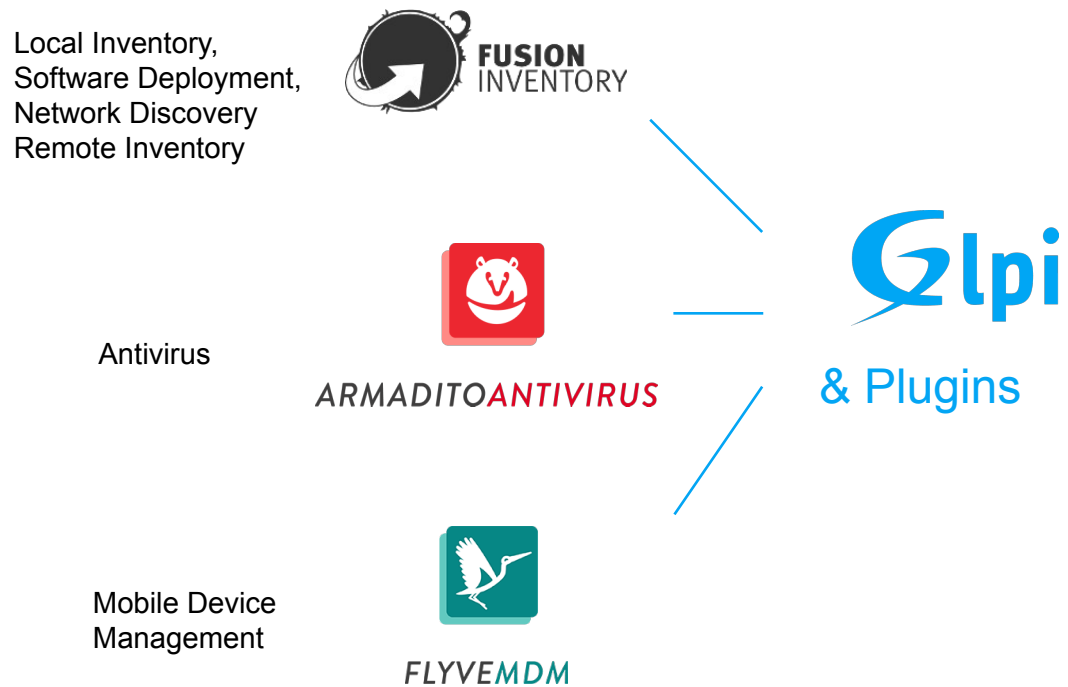


Solution Overview



Overview

NATIVE ECOSYSTEM



THIRD-PARTY SYSTEMS CONNECTORS



Main GLPI features

ITIL COMPLIANT SERVICEDESK

- Incidents and requests management
- Issues management
- Changes management
- Project management with Gantt graphs
- Business rules when opening or updating tickets
- SLA with escalation

IT ASSET INVENTORY & MANAGEMENT

- Computers, monitors, printers and phones
- Software
- Hardware
- Network devices (IP, MAC, VLANs)
- Consumable and cartridges with alerts
- External devices (scanners, graphic tablets)

Asset management

- Modifications tracking and history
- Asset localisation by geographic area, room, service department, etc.
- Financial information: warranty, contracts, suppliers, etc.
- Equipment lifecycle
- Advanced multi-criteria search function
- Alerts, reporting and dashboards
- Companies (manufacturers, suppliers, others...) and associated contacts
- Contracts (loan, hiring, leasing, insurance, maintenance and service)
- Documents related to the inventoried elements, contracts, types of authorised documents
- Budget management

Multi-platform inventory

MULTI-FUNCTION FUSIONINVENTORY AGENT:

- Local inventory
- Network inventory
- VMWare host remote inventory
- Remote inventory by SNMP
- Wake On Lan
- Software deployment
- WMI, registry and file collect

HOW WORKS FUSIONINVENTORY?

- Agent is installed on PCs and servers
- Inventory server as a GLPI plugin

MULTI-PLATFORM:

- Windows 2000SP4+
- Linux, *BSD
- Mac OS X 10.6+
- Solaris, AIX, HP-UX

IT asset inventory

LOCAL INVENTORY

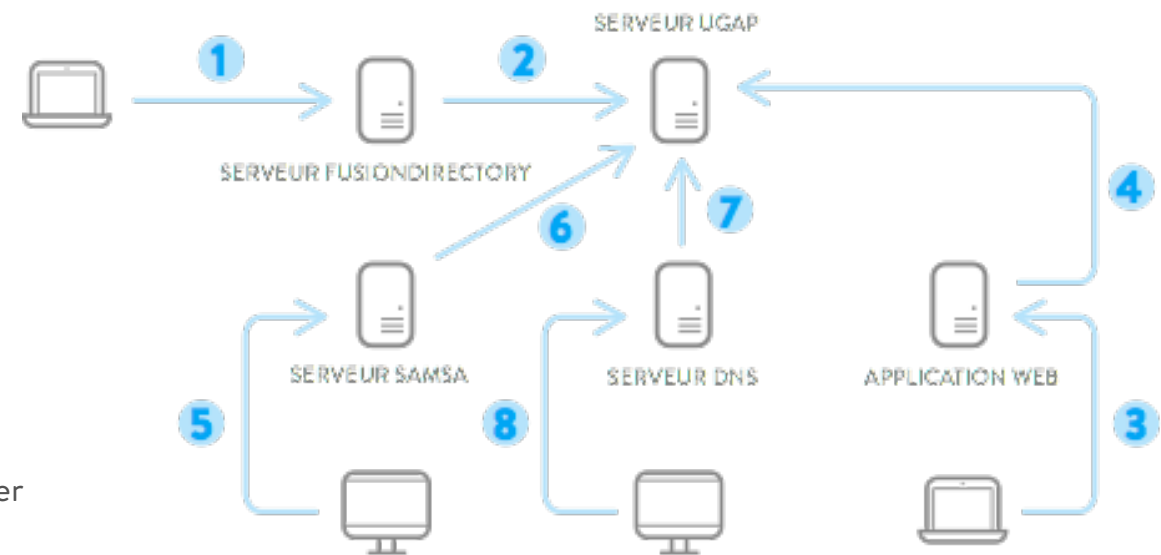
- PC & Servers (components, disk space and TCO)
- Network information (connections to devices, IP, Mac, VLANs...)
- Printers (connections to PCs)
- Monitors (connections to PCs)
- External devices (scanners, graphics tables...)
- IP Phones
- Software (licenses, expiration dates, etc)

REMOTE DISCOVERY & INVENTORY (SNMP)

- Switches / Routers / Printers / VMWare ESX & vCenter

MANUAL INVENTORY

- Consumables and cartridges (thresholds of alarm)



Computers local inventory (1/6)

Computer

Name	<input type="text" value="LU001"/>	Status	<input type="text" value="-----"/> ⓘ +
Location	<input type="text" value="-----"/> ⓘ +	Type	<input type="text" value="Laptop"/> ⓘ +
Technician in charge of the hardware	<input type="text" value="-----"/> ⓘ	Manufacturer	<input type="text" value="Dell Inc."/> ⓘ +
Group in charge of the hardware	<input type="text" value="-----"/> ⓘ +	Model	<input type="text" value="XPS 13 9350"/> ⓘ +
Alternate username number	<input type="text"/>	Serial number	<input type="text" value="2FGGP72"/>
Alternate username	<input type="text" value="wawa"/>	Inventory number	<input type="text" value="LU001"/>
User	<input type="text" value="-----"/> ⓘ	Network	<input type="text" value="-----"/> ⓘ +
Group	<input type="text" value="-----"/> ⓘ +	<div>Comments</div>	
Domain	<input type="text" value="-----"/> ⓘ +		
UUID	<input type="text" value="4C4C4544-0046-4710-8047-"/>		
Update Source	<input type="text" value="-----"/> ⓘ +		

FusionInventory

Last inventory	2017-03-15 18:58
Public contact address	172.17.0.1
Agent	laptop-2-2013-10-22-18-13-21
Useragent	FusionInventory-Agent_v2.3.19
FusionInventory tag	
Last contact	2017-03-15 18:58
BIOS date	2016-12-28
BIOS version	1.4.13
Manufacturer :	Dell Inc.

Created on 2017-03-15 09:45

Last updated on 2017-03-15 18:58

Computers local inventory (2/6)

Operating system			
Name	Ubuntu	Version	16.10
Architecture	x86_64	Service pack	-----
Kernel version	4.10.3-041003-generic		
Serial number			
Save			

FusionInventory operating system	
Architecture	x86_64
Operating system	Ubuntu
OS version	16.10
Operating system kernel name	linux
Operating system kernel version	4.10.3-041003-generic
Service pack	
Operating system edition	
HostID	007f0101

Computers local inventory (3/6)

Volumes								
Name	Automated inventory	Partition	Mount point	File system	Global size	Free size	Free percentage	
/	Yes	/dev/nvme0n1p2	/	ext4	225.51 GB	28.64 GB	13%	
/boot/efi	Yes	/dev/nvme0n1p1	/boot/efi	VFAT	510 MB	486 MB	95%	
/var/lib/docker/overlay/ /3abf09c4491455abae8af5e4df2e3f2be7e5aa83c8b29964b1ae14a476087a80 /merged	Yes	overlay	/var/lib/docker/overlay/ /3abf09c4491455abae8af5e4df2e3f2be7e5aa83c8b29964b1ae14a476087a80 /merged	overlay	225.51 GB	28.64 GB	13%	
/home/wawa	Yes	/home/wawa /.Private	/home/wawa	ecryptfs	225.51 GB	28.64 GB	13%	
/var/lib/docker/overlay/ /3fb3e7a986dbf390bfeaf2b457df6ff3b549f5f560d5cb310007c02679701535 /merged	Yes	overlay	/var/lib/docker/overlay/ /3fb3e7a986dbf390bfeaf2b457df6ff3b549f5f560d5cb310007c02679701535 /merged	overlay	225.51 GB	28.64 GB	13%	
/var/lib/docker/overlay/ /9d917fb6b92858687d128c5b2c7c32971b4016b54e4c92cd480a54ab3f0f2d30 /merged	Yes	overlay	/var/lib/docker/overlay/ /9d917fb6b92858687d128c5b2c7c32971b4016b54e4c92cd480a54ab3f0f2d30 /merged	overlay	225.51 GB	28.64 GB	13%	
Name	Automated inventory	Partition	Mount point	File system	Global size	Free size	Free percentage	

Computers local inventory (4/6)

List of virtual machines								
Name	Automated inventory	Virtualization system	Virtualization model	State of the virtual machine	UUID	Number of CPUs	Memory (MB)	Machine
wawa_skydive-agent_1	Yes	docker		off	5506c9cf948e	0	0	
wawa_skydive-analyzer_1	Yes	docker		off	a814985472a1	0	0	
wawa_elasticsearch_1	Yes	docker		off	0288ea1fb928	0	0	
meteo	Yes	docker		off	ed9bef0322b8	0	0	
db	Yes	docker		running	7e64b4b09941	0	0	
silly_noether	Yes	docker		off	5ce095b64700	0	0	
suspicious_swartz	Yes	docker		off	9bbbfa034f00	0	0	
prickly_bardeen	Yes	docker		off	b2c944804f6e	0	0	
tiny_keller	Yes	docker		off	8ea5582c593d	0	0	
php7	Yes	docker		off	b327ff639b2e	0	0	
php56	Yes	docker		running	729fe06d93b0	0	0	
php54	Yes	docker		off	1c6f2a4d5c96	0	0	
mariadb	Yes	docker		running	5cec1e885ed7	0	0	
openvas	Yes	VirtualBox	Oracle VM VirtualBox	off	7e28a2cb-904f-4d70-8ac3-bf3e7dec12d2	1	2048MB	
Windows 7	Yes	VirtualBox	Oracle VM VirtualBox	off	d0eb6fb6-a46a-429e-84df-946fdd12907b	1	4096MB	
T	Yes	VirtualBox	Oracle VM VirtualBox			1	0	
Name	Automated inventory	Virtualization system	Virtualization model	State of the virtual machine	UUID	Number of CPUs	Memory (MB)	Machine

Computers local inventory (5/6)



Antivirus							
Name	Automated inventory	Manufacturer	Antivirus version	Signature database version	Active	Up to date	Expiration date
McAfee VirusScan Enterprise	Yes				Yes	Yes	
Name	Automated inventory	Manufacturer	Antivirus version	Signature database version	Active	Up to date	Expiration date

Computers local inventory (6/6)

Monitor		Root entity > Teclib'		Child entities	
Name	<input type="text" value="iiyama prolite B2480HS"/>	Status	<input type="text" value="En prod"/>	<input type="text" value="No"/>	
Location	<input type="text" value="nantes"/>	Type	<input type="text" value="LCD"/>		
Technician in charge of the hardware	<input type="text" value="Cyrille De Lambert"/>	Manufacturer	<input type="text" value="Iiyama North America"/>		
Group in charge of the hardware	<input type="text" value="-----"/>	Model	<input type="text" value="PL2480H"/>		
Alternate username number	<input type="text" value=""/>	Serial number	<input type="text" value="11261V6303453"/>		
Alternate username	<input type="text" value="m"/>	Inventory number	<input type="text" value=""/>		
User	<input type="text" value="-----"/>	Management type	<input type="text" value="Unit management"/>		
Group	<input type="text" value="-----"/>				
Size	<input type="text" value="24"/>				
Flags	<div><div>Microphone</div><div>Yes</div><div>Speakers</div><div>No</div><div>D-sub</div><div>Yes</div><div>BNC</div><div>No</div><div>DVI</div><div>Yes</div><div>Pivot</div><div>Yes</div><div>HDMI</div><div>Yes</div><div>DisplayPort</div><div>No</div></div>		<div>Comments</div> <div></div>		
Created on		Last updated on 2016-12-01 07:35		Created from the template iiyama prolite B2480HS	

VMWare ESX Inventory (1/2)

Computer	
Name	esx001
Location	----- ⓘ +
Technician in charge of the hardware	----- ⓘ
Group in charge of the hardware	----- ⓘ +
Alternate username number	
Alternate username	
User	----- ⓘ
Group	----- ⓘ +
Domain	prod.teclib.intra ⓘ +
UUID	080020ff-ffff-ffff-ffff-001e685'
Update Source	----- ⓘ +
Status	Production ⓘ +
Type	Physical ⓘ +
Manufacturer	Sun Microsystems ⓘ +
Model	SUN FIRE X2250 ⓘ +
Serial number	
Inventory number	
Network	----- ⓘ +
Comments	

FusionInventory	
Last inventory	2017-03-16 07:51
Public contact address	172.17.0.1
Agent	vm000116-2015-04-23-09-16-12
Useragent	Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:52.0) Gecko/20100101 Firefox/52.0
FusionInventory tag	teclib'
Last contact	2017-03-16 07:51
BIOS version	S86_3A16

Created on 2017-03-16 07:51

Last updated on 2017-03-16 07:52

VMWare ESX Inventory (2/2)

List of virtual machines								
Name	Automated inventory	Virtualization system	Virtualization model	State of the virtual machine	UUID	Number of CPUs	Memory (MB)	Machine
formation-glpi-windows.teclib.infra	Yes	VMware		off	4229e7ea-8dc7-a5a2-7f71-b5b5bb8eb909	1	1024	
debian-1.labo	Yes	VMware		off	564dd970-41fe-b6b9-d689-09e1d6fb7946	1	1024	
vm000117	Yes	VMware		off	421122c8-b0d4-3bb0-e6ce-224c72cd6191	1	512	
debian-test.labo.teclib.infra	Yes	VMware		off	564d21c5-ce84-03ab-5fc7-30557f6de59d	1	1024	
ltop.labo	Yes	VMware		off	42118ebd-3b9e-57d1-86a1-bc0821f3974d	4	8192	
sendlib.labo	Yes	VMware		off	564d7ce1-f7ef-25f3-8a74-013296c820dc	4	4096	
vm000110(backup)	Yes	VMware		off	421129a4-80b5-9b38-c7d6-b848c2fa7193	2	2048	
vm000022.old	Yes	VMware		off	4211a9e7-a184-f6c2-3e13-e3f3e540089c	4	4096	
openerp.teclib.infra	Yes	VMware		off	421fa64c-5eff-4876-d20f-f054b476557b	4	4096	
pascal.labo	Yes	VMware		off	42111dc2-643c-0a93-9703-929020e46a3	2	2048	
test.labo	Yes	VMware		off	4211f616-728d-e295-84ef-7c72d5a76915	1	2048	
1418-shibboleth	Yes	VMware		off	421129f6-fb05-c19a-f3d4-f3d1a969cc4	2	8192	
vm_glpi.labo	Yes	VMware		off	4211be54-4037-2e65-db9b-ed4be7195531	2	4096	

Network devices inventory (1/2)

Network device		Root entity > Teclib'		Child entities	
Name	<input type="text" value="Catalyst 3750"/>	Status	<input type="text" value="----"/>	<input type="text" value="No"/>	
Location	<input type="text" value="paris.bourse"/>	Type	<input type="text" value="----"/>		
Technician in charge of the hardware	<input type="text" value="----"/>	Manufacturer	<input type="text" value="Cisco Systems"/>		
Group in charge of the hardware	<input type="text" value="----"/>	Model	<input type="text" value="Catalyst 3750-24/48"/>		
Alternate username number	<input type="text" value=""/>	Serial number	<input type="text" value="CAT0145Z3RV"/>		
Alternate username	<input type="text" value=""/>	Inventory number	<input type="text" value=""/>		
User	<input type="text" value="----"/>	Network	<input type="text" value="----"/>		
Group	<input type="text" value="----"/>				
Domain	<input type="text" value="----"/>				
The MAC address and the IP of the equipment are included in an aggregated network port					
Firmware	<input type="text" value="12.2(55)SE6"/>				
Memory (MB)	<input type="text" value="128"/>				
FusionInventory					
Last inventory		2016-10-19 03:12			
Uptime		273 day(s) 23 hour(s) 41 Minute(s) and 9 sec(s)			
Created on		Last updated on 2016-10-19 03:12			

Network devices inventory (2/2)

Ports array (149) [Legend]											
Name	MTU	Speed	Internal status	Last Change	Traffic received/sent	Errors received/sent	Duplex	Internal MAC address	VLAN	Connected to	Connection
Lo0 ①	Aggregation port	0	0 Kbps		- / -	- / -		00:12:7f:	default		
									Reseau		
									management		
									prod		
									bureaux1 [211]		
									san-replication		
									san-clients [207]		
									backbone		
									VLAN0102		
									[410] U		
									kelio-put		
①	0	1 Gbps	●		- / -	- / -	Full	00:23:5d:4f	san-clients		
①	0	1 Gbps	●		- / -	- / -	Full	00:23:5d:4	san-clients		

Printers inventory (1/2)

Printer		Root entity > Teclib'		Child entities	
Name	<input type="text" value="hp-cn1515n"/>	Status	<input type="text" value="-----"/>	<input type="text" value="No"/>	
Location	<input type="text" value="-----"/>	Type	<input type="text" value="-----"/>		
Technician in charge of the hardware	<input type="text" value="-----"/>	Manufacturer	<input type="text" value="HP"/>		
Group in charge of the hardware	<input type="text" value="-----"/>	Model	<input type="text" value="HP Color LaserJet CP1515n"/>		
Alternate username number	<input type="text" value=""/>	Serial number	<input type="text" value="CNV/T932AER"/>		
Alternate username	<input type="text" value=""/>	Inventory number	<input type="text" value=""/>		
User	<input type="text" value="-----"/>	Management type	<input type="text" value="Unit management"/>		
Group	<input type="text" value="-----"/>	Network	<input type="text" value="-----"/>		
Domain	<input type="text" value="-----"/>	<div>Comments</div>			
Memory	<input type="text" value="64"/>				
Initial page counter	<input type="text" value="0"/>				
Current counter of pages	<input type="text" value="0"/>				
Serial	<input type="text" value="No"/>	Parallel	<input type="text" value="No"/>		
Ports	USB <input type="text" value="No"/>	Ethernet	<input type="text" value="Yes"/>		
	Wifi <input type="text" value="No"/>				

FusionInventory

Last inventory

2014-11-26 06:27

Type

SNMP

Created on

Last updated on 2016-01-22 12:06

Printers inventory (2/2)

SNMP information

Sysdescr

HP ETHERNET MULTI-ENVIRONMENT,SN:CNCT932GQL,FN:MA11DFD,SVCID:19214,PID:hp-cp1515n-luisant

Last inventory : 2014-11-26 06:27

SNMP authentication : Public community v1 ⓘ

Update

Cartridge(s)

Black toner :

----- ▼

Update

68%

Cyan toner :

----- ▼

Update

88%

Magenta toner :

----- ▼

Update

83%

Yellow toner :

----- ▼

Update

89%

Inventory for logistics

- Hand-held mobile devices & pocket-sized Mobile Computers Datalogic (Windows CE & Android)
- Barcode Label Printers Zebra Motorola

Computer - ID 1048		Entité racine	
Name	SkorpioX3	Status	En prod ⓘ
Location	----- ⓘ	Type	Embedded Terminal ⓘ +
Technician in charge of the hardware	----- ⓘ	Manufacturer	Datalogic ⓘ +
Group in charge of the hardware	----- ⓘ	Model	SkorpioX3 ⓘ +
Alternate username number		Serial number	G14I70443
Alternate username		Inventory number	
User	Guillaume Bougard ⓘ	Network	----- ⓘ +
Group	----- ⓘ	Comments	
Domain	----- ⓘ		
Operating system	Microsoft Windows Embedded Compact ⓘ +		
Service pack	----- ⓘ +		
OS version	6.0.0 ⓘ +		
OS Product ID			
OS Serial Number			
UUID	3b64278050af33031c6cc83		
Last updated on 2016-11-07 12:28			

FusionInventory	
Last inventory	2016-05-24 14:12
Public contact address	172.28.220.62
Agent	SkorpioX3-2016-05-23-10-27-54
Useragent	GLPI-Agent v1.1 (wince)
FusionInventory tag	dev
Last contact	2016-05-24 14:12
BIOS version	Firmware 1.90



Non-IT objects inventory

GENERIC OBJECT PLUGIN

- Manage non IT or not connected objects like the rest of your IT assets: for example with the object “table”
- Create a new type of object in the inventory, called “table”
- Add accurate fields and filters for the object “table”, like: name, serial number, inventory number, type, model, color, status, etc.
- Describe the behaviour of the object “table”: visible in sub-entity, keep history, etc.
- Adjust the rights related to the object “table”
- Activate the object ‘table’
- Manage your collection of “tables” in GLPI
- **Link:**
<http://glpi-plugins.readthedocs.io/en/latest/genericobject/index.html>

Mobile Device Management

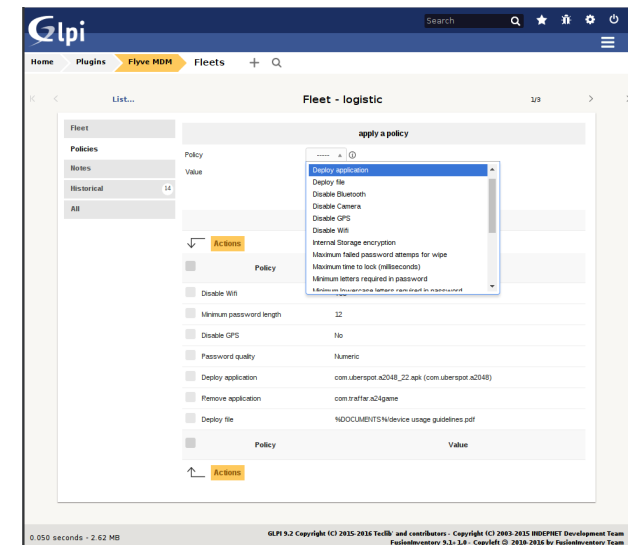
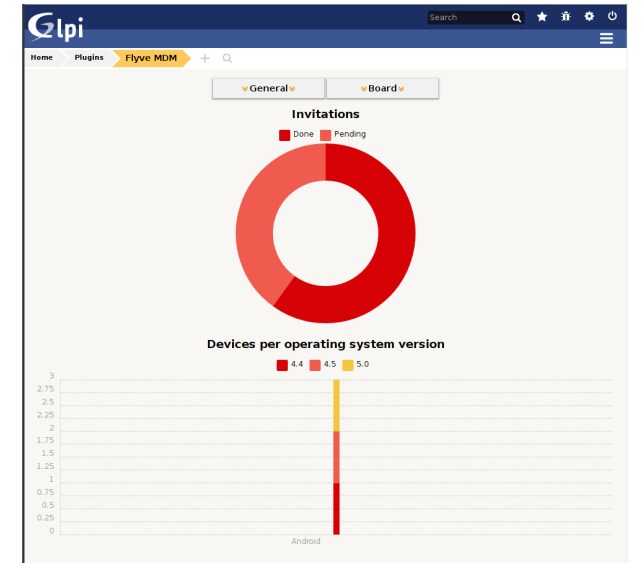
FLYVE MDM PLUGIN

- Control, manage and inventory all the mobile devices and apps of your fleet, directly in GLPI and from a single Web platform
 - Data management functions: number of devices
 - Mobile connectivity access: Wifi, Bluetooth, camera
 - Security policy: passwords length, encrypted phone
 - Applications management: install, remove, modify applications
-
- **Link:** <https://flyve-mdm.com>



FLYVEMDM

FOR



Data center infrastructure inventory

FEATURES IN DEVELOPMENT

- Support for chassis, rack and PDUs
- Datacenter room graphical representation
- Interior of a rack graphical representation (front and rear)
- Placement of a chassis or other asset in a rack
- Export rack or room in PDF

FEATURES TO BE FINANCED

- Automatic inventory of chassis using SNMP protocol
- Support for wiring and connection panels

Teclib' is a member of:



Federación Nacional de
Empresas de Software Libre





Thank you.