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Operating principe

OCS Inventory NG Agent for Android can run as a service automatically at boot time. It can also work as a stand alone application launched manually.

Which version: Service or Standalone ?

The Windows service version will automatically communicate with the OCS-NG system and perform

inventories based on parameters set on the server (Inventory Frequency). The standalone client is used for computers that cannot communicate with the server, or where the service version is not wanted or allowed.

When an inventory is done, agent uses and writes in files stored in directory "SDCARD/ocs". This directory is /mnt/sdcard/ocs

Prerequisites

Have a device under Android 2.1 or higher.

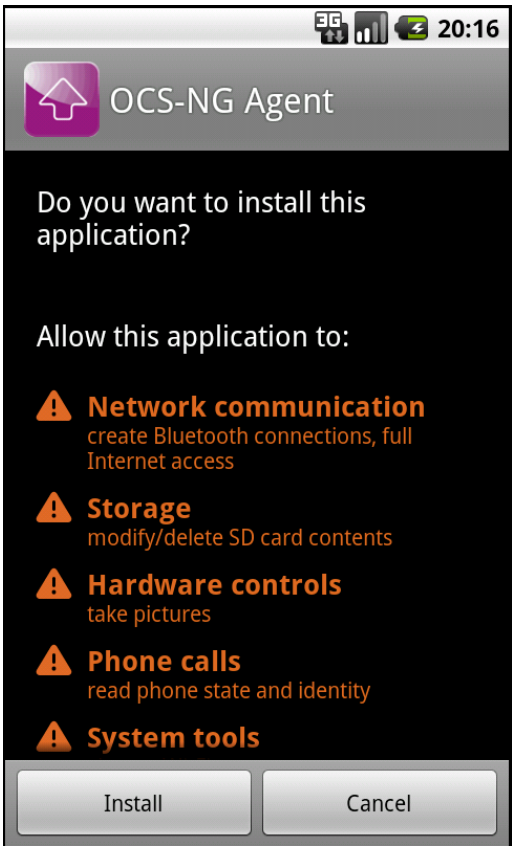
Installation of Android Agent

2 solutions to install Android agent.

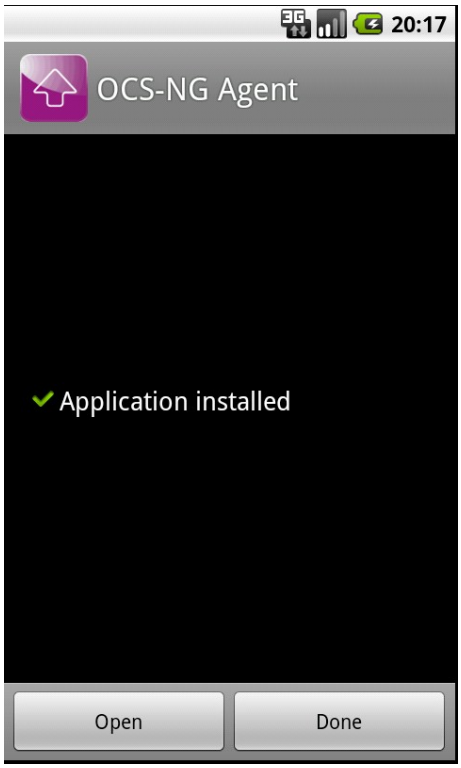
- From OCS repository on Launchpad (https://launchpad.net/ocsinventory-android-agent) : Download and uncompress the lastest version of Android Agent from download page of our website. This package contains file :

  `OCSInventoryAgent-2.1.5.apk: install Android agent, without any specific configuration.`
  Place this file on SDCARD and launch it.

- From Android Market : Download application and launch installation.
  When you launch installation, you authorize the application to access to different information and data of your device. You can list its before clicking on Install.


20:16
OCS-NG Agent
Do you want to install this application?
Allow this application to:
Network communication
create Bluetooth connections, full Internet access
Storage
modify/delete SD card contents
Hardware controls
take pictures
Phone calls
read phone state and identity
System tools
Install
Cancel

At the end of installation, icon is created on desktop, and a message prevents you application was installed correctly. Click on **OK** to quit installer, or on **Open** to quit installer and launch application.



Now you see the main screen of the application, which allows you to:

- send an inventory (you will have to fix the configuration before)
- display inventory (section by section)
- store inventory on your SDCARD (/mnt/sdcard/ocs/inventory.xml)
- edit the configuration, using configuration standard menu of Android

Agent configuration

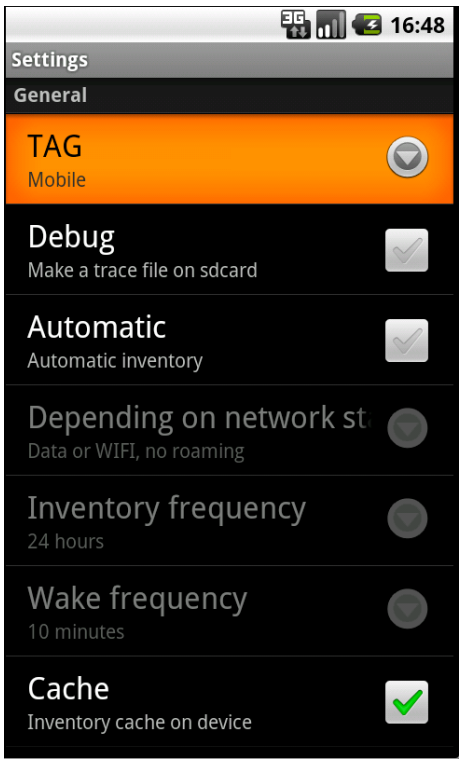
Configuration menu

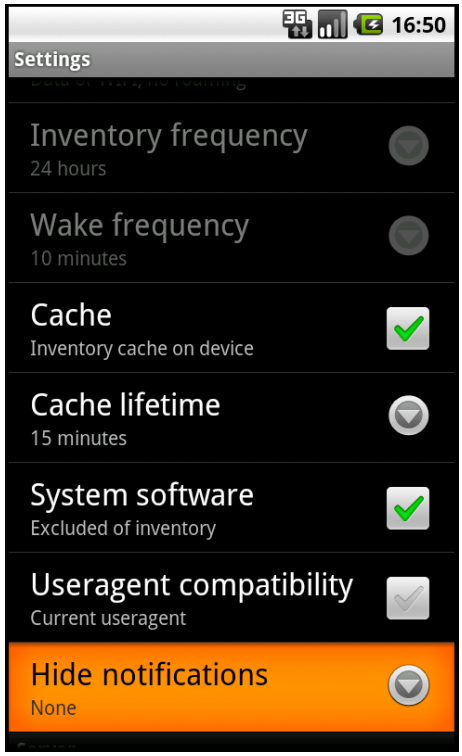
By clicking on configuration standard button of Android (different depending on the device), 4 menus are available:

- Configuration : Access to agent configuration
- About : About OCS Inventory NG agent installed
- Import configuration : Import a configuration file if present in directory ocs
- Export configuration : Export the configuration to backup or using on others devices

16:47
OCS-NG Agent v.2.1.5
Send inventory
Show inventory
Store inventory
Configuration
About
Import settings
Export settings
Http communication error code 404

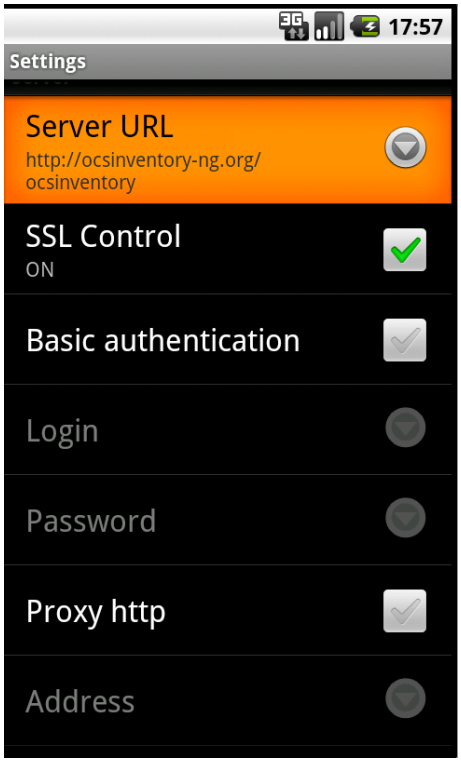
Général configuration





- TAG : Cathegory TAG in OCS
- DEBUG : possible to generate a trace file in the ocslog.txt agent directory
- AUTOMATIC : define if agent works as a service or a standalone application
- DEPENDING ON NETWORK STATUS : In service mode, manage roaming behavour
- INVENTORY FREQUENCY : define frequency between 2 inventories (in hours)
- WAKE FREQUENCY : define time between 2 verifications of time since last inventory
- CACHE : possible to recordd inventory cache on device
- CACHE LIFETIME : define cache timelife (in minutes)
- SYSTEM SOFTWARE : Exclude system applications from software inventory
- HIDE NOTIFICATIONS : All, none, inventory, download notifications are sent.

Configuration concerning server



- SERVER URL : define URL address of OCS Inventory NG server (By default: http://ocsinventory- ng/ocsinventory)

  Note: If your OCS Inventory NG server listens on an other port than classic port, you have to define it in serveur URL.
  Example :https://ocsinventory-ng:4443/ocsinventory

- SSL CONTROL : possible to active and desactive SSL control
- AUTHENTIFICATION : define if server needs authentification. If yes, you have to define Login and Password.
- HTTP PROXY : define if agent use a proxy. If yes, you have to define Address and port of proxy server.

  Warning: To work with SSL control, you have to import CA in Android. To do this, use menu Localisation and security/Import certficate from SDCARD.

  Certificates MUST BE in the root of SDCARD. Extensions .crt and .cer are detected. Extension .pem isn't always.

Feature of import/export configuration

Manual import / export

This feature allows to export agent configuration when defined, to import in others devices. **org.ocsinventoryng.android.agent_preferences.xml** file containing configuration parameters to import/export is stored in directory "ocs" on **sdcard**.

```
<?xml version='1.0' encoding='utf-8' standalone='yes' ?>
<map>
<boolean name="k_strictssl" value="false" />
<boolean name="k_debug" value="false" />
<string name="k_freqmaj">24</string>
<long name="k_lastupdt" value="1361266849907" />
<boolean name="k_automode" value="true" />
<boolean name="k_cache" value="true" />
<string name="k_devicetag">SONY ERICSSON</string>
<string name="k_cachelen">900000</string>
<string name="k_freqwake">30</string>
<string name="k_serverurl">https://ocsinventory-ng/ocsinventory</string>
</map>
```

Import on start

On the first start of the application, if a configuration file is present on sdcard, it will be loaded. After this first start it will be ignored except by manual or forced import.

Import forced by message

The application can be started with an « extra » named « force_update » whith true value.

Notes

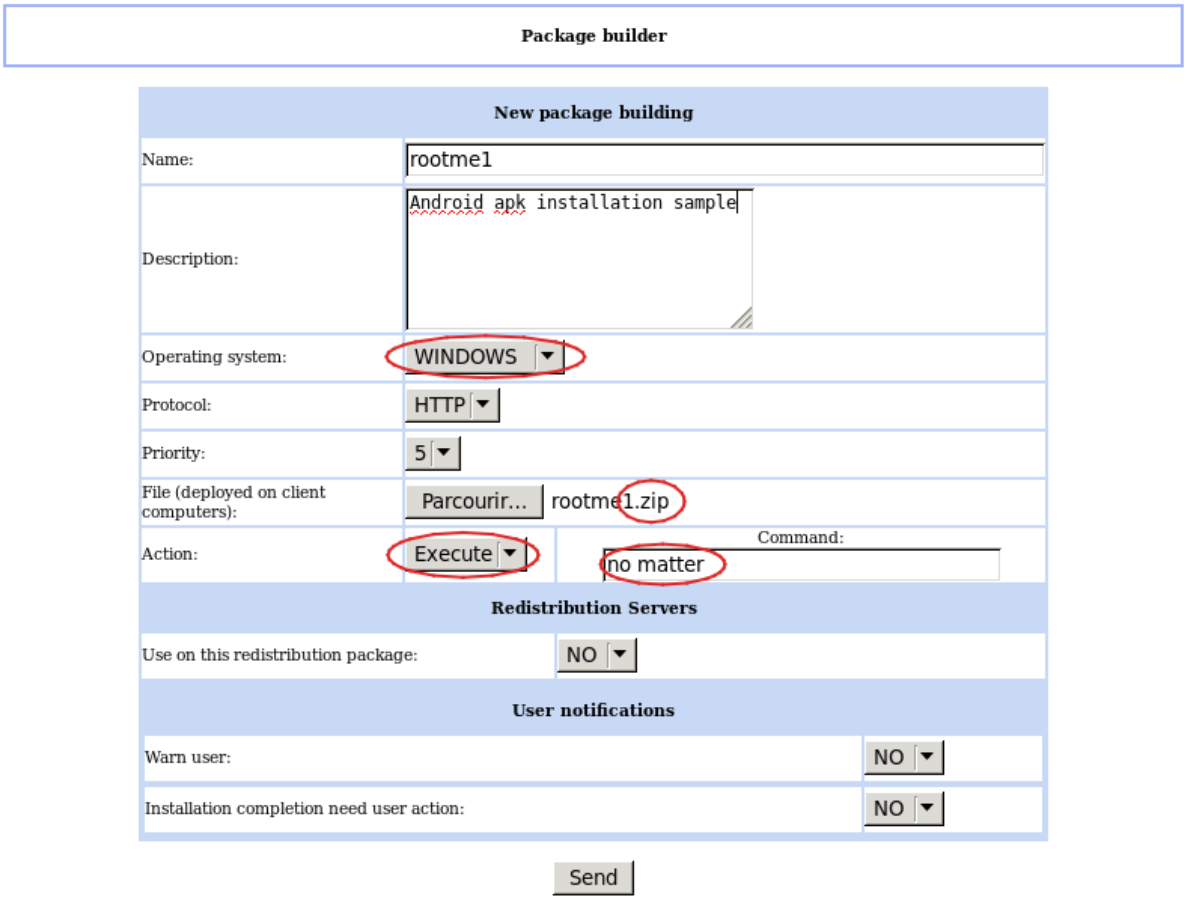
About package installation

You can use android agent for apk installation with the following restiction.

1 Il your server version dont know android operating system you have to use WINDOWS choice on package builder screen.

Change the .apk extention to .zip.

Use « execute » action.



Send and after that proceed as with other type of package.

2. Actually the installation will notify user about new installation.

No silent installation is available now.