

Sending service

Installation procedure

Version 2.3

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1. Introduction

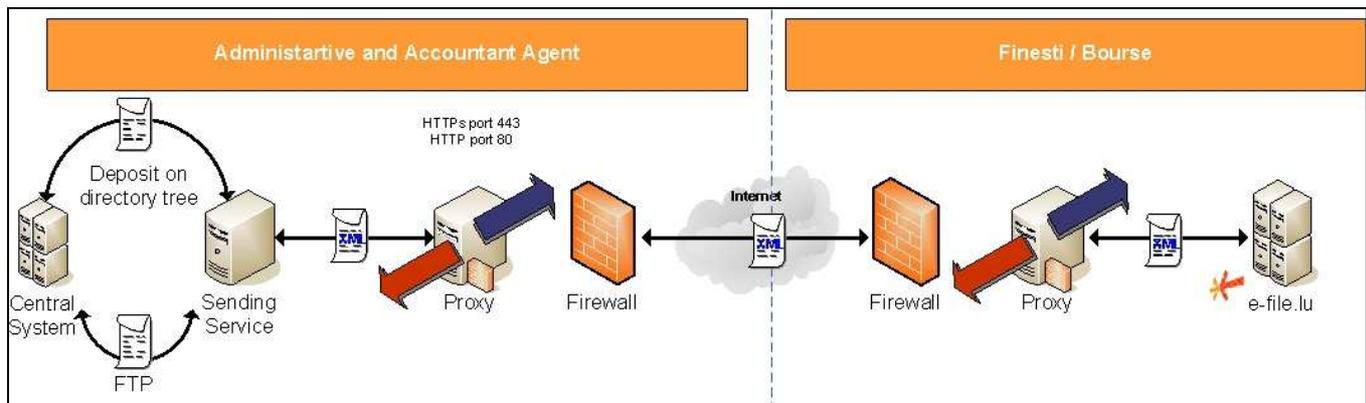
The Sending Service allow you to massively send files to authorities.

The functioning of the Sending Service is quite simple. You just need to drop files to be treated in the corresponding directories. At fixed intervals, the Sending Service checks the presence of new files and performs all the needed treatments before flagging files as 'treated'.

2. Prerequisite

2.1. Network configuration

- You need to have access to the Internet (ISDN, ADSL), (minimal flow recommended : 128 KB/s)
- If you use a proxy¹ or a firewall², both ports 80 (http) and 443 (https) need to be opened.
- An access to the file system and/or ftp server where documents are stored must be available.



2.2. Minimal configuration of the computer

- Administrator's rights to be able to install software on the computer.
- An Internet connection.
- Java Runtime Environment 1.6.0_14 at least installed
- OS : Windows (Microsoft Windows 2000 with Service Pack 4; Windows Server 2003 (32-bit or 64-bit editions) with Service Pack 1; Windows XP Professional, Home or 64-bit Editions with Service Pack 2; Windows Vista; Windows 7; Windows 8) or Linux
- Processor: Pentium 2 GHz or equivalent
- 1 GB of RAM
- 1 GB of free space on hard disk drive if the files are downloaded by ftp (In the case where files are locally stored, provide a free space above 100 MB or a regular purging)
- 1 GB of free space on hard drive disk for logs (foresee a regular purging)

¹ **Proxy** : Secure gateway device isolating the internal network of the company and the Internet network. It is possible to limit the available addresses as well as the users who can access these latter .

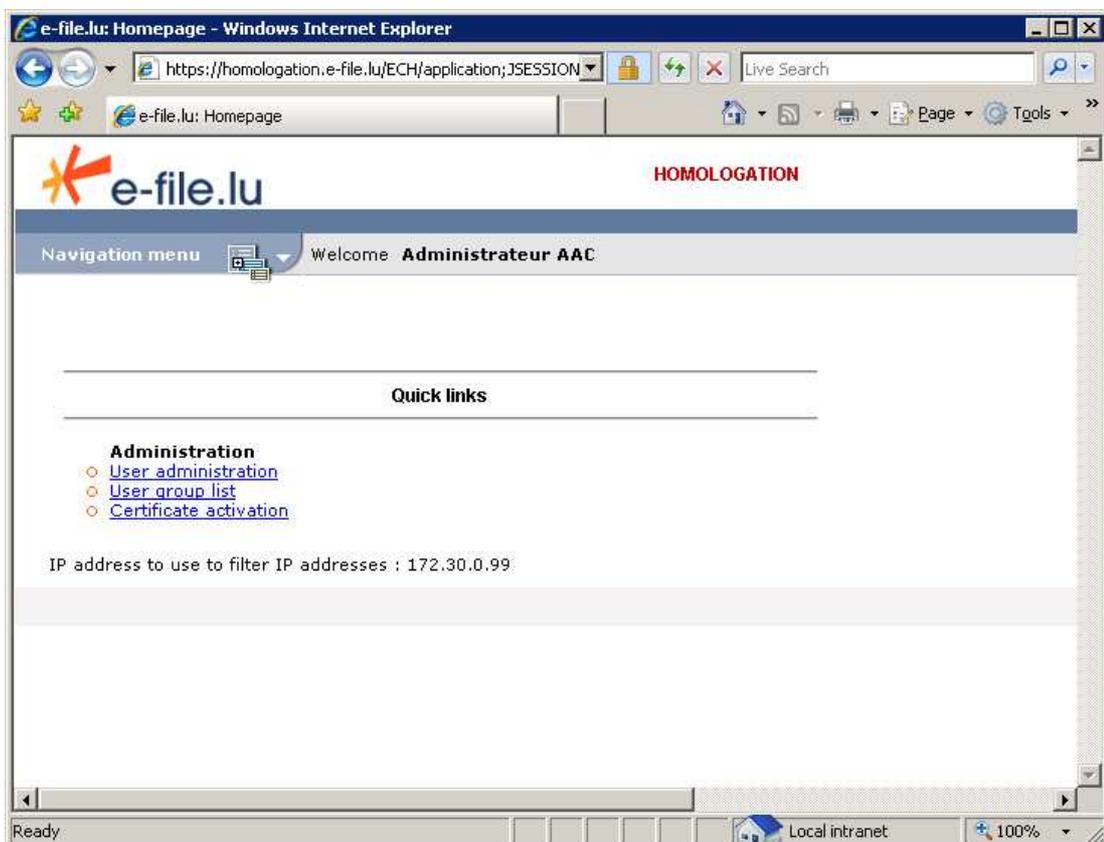
² **Firewall** : A firewall is a physical (material) or logical (software) device used as an interface between one or more networks in order to control and eventually block data traffic.

3. Installation of the Sending Service

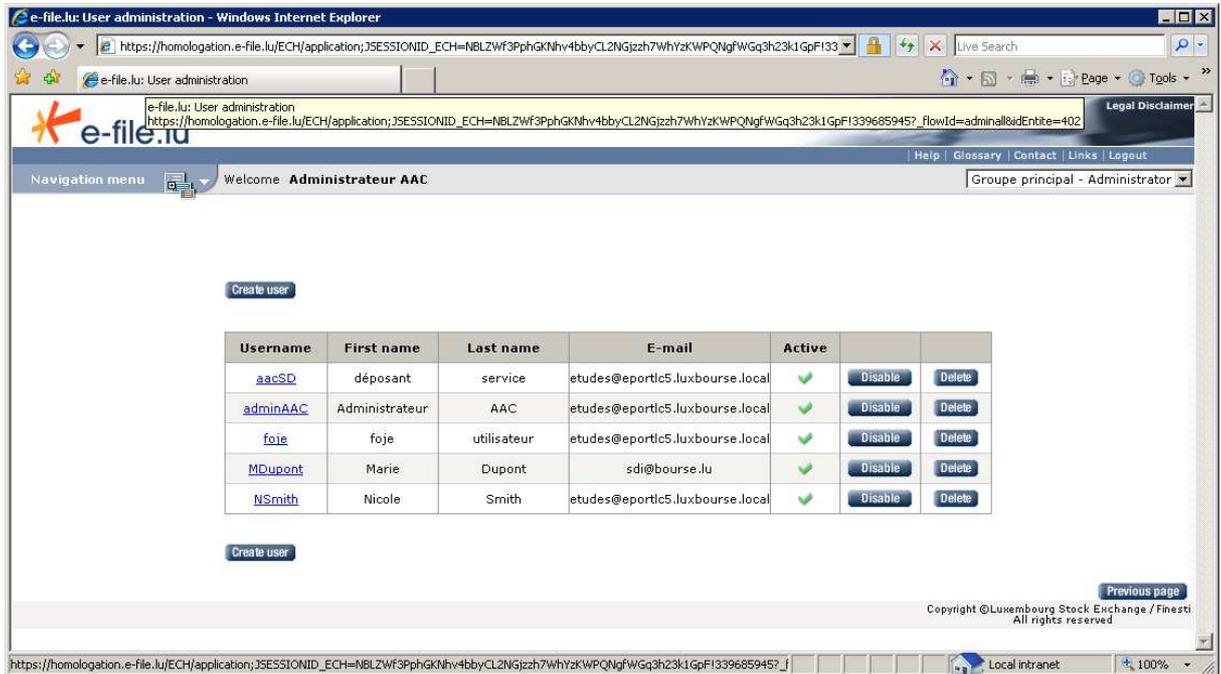
3.1. Controls before installation

- Check that the connected user is **administrator of the computer**.
- Have an e-file **Sending service** user (login and password) (e.g. : aacSD).

To check whether a **Sending service** user exists, log on as an e-file administrator.
The following screen appears:



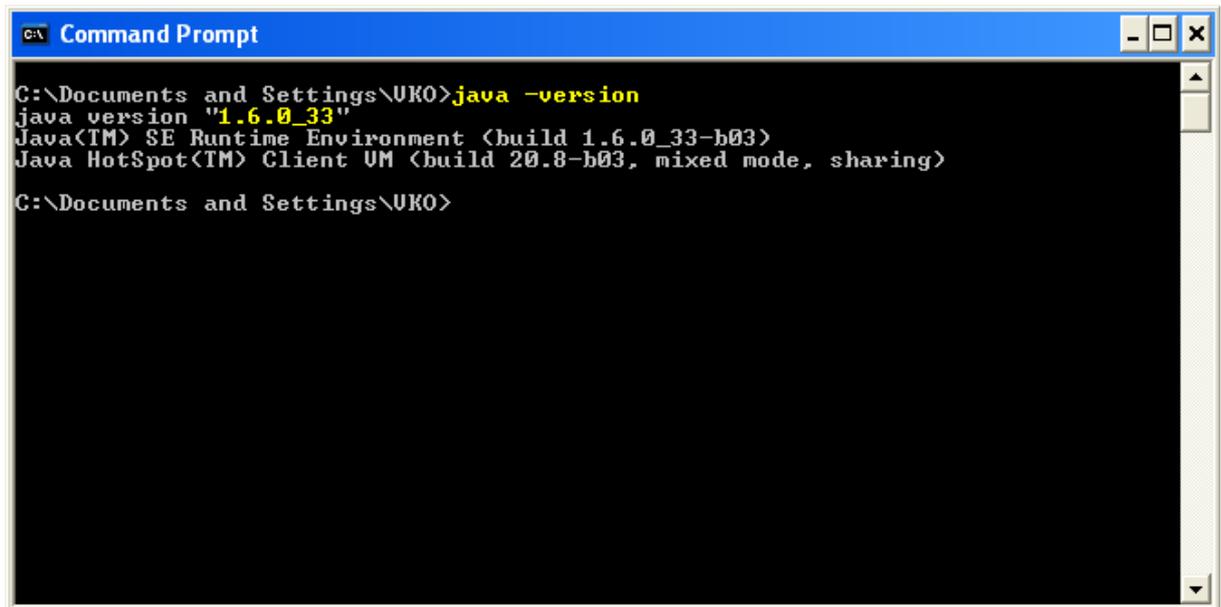
Choose *User administration*, the following screen appears :



The user linked to the [Sending Service](#) usually follows the bellow naming rules : three letters referring to the company (in lower case) following by "SD" in upper case. (e.g. : aacSD)

If the user doesn't exist, you need to create one using the "Create user" button. Please refer to our installation guide available from the help page on the e-file's website([Creation of an e-file user](#)) .

- Check that the computer has a JRE greater than the **1.6.0_14** version.
Syntax of the DOS command : `java -version`



3.2. Installation procedure

This procedure is suitable for a new installation.

In case of an update, please refer to the appropriate manual from our user manual download section.

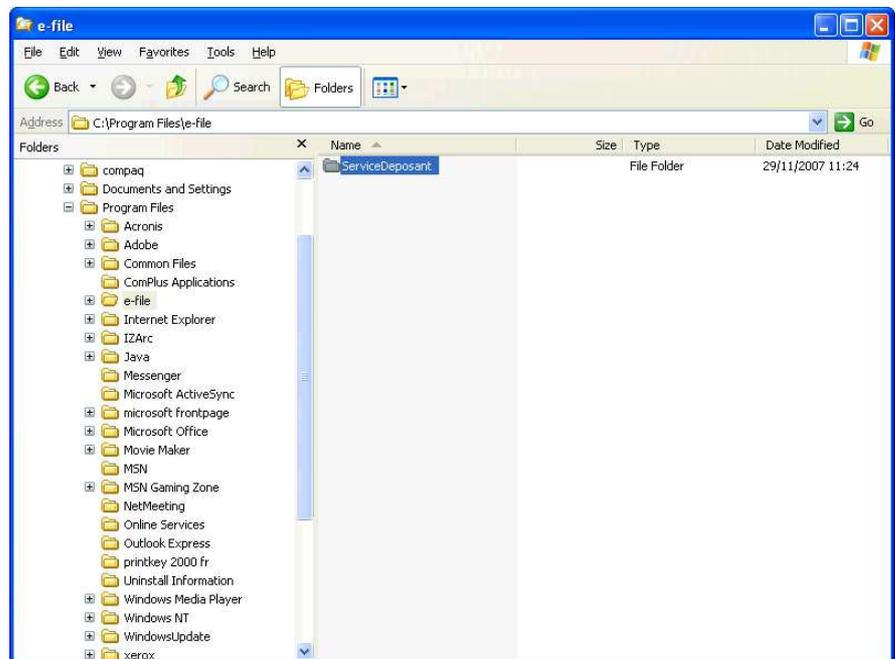
(https://www.e-file.lu/docs/EN/ManuUtil_EFile_Maj_SD_EN.pdf)

In order to install the Sending service application, you need to :

1. **Download** the ZIP file containing the Sending service from <https://www.e-file.lu/download/SD.zip>
2. **Extract and Copy** the entire content of the directory *ServiceDeposant* in the Sending service destination folder.

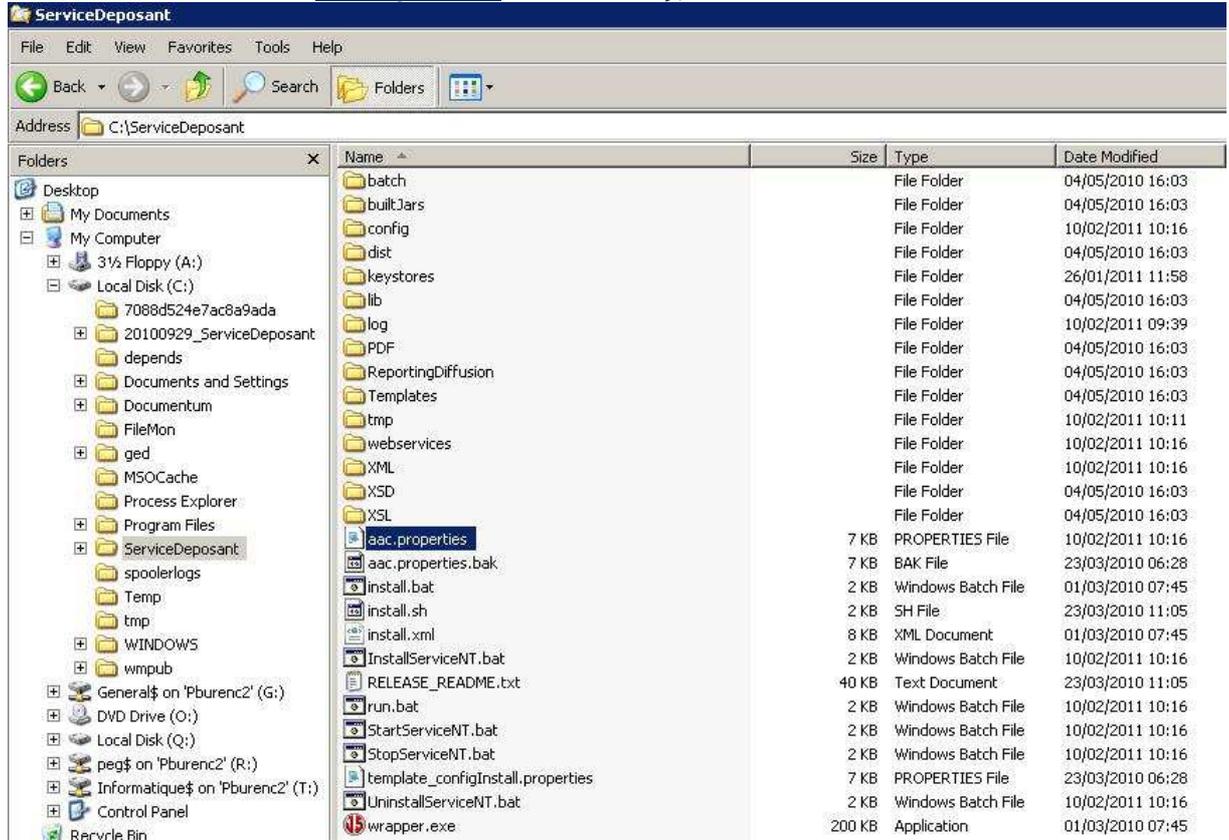
Note : Make sure that the directory is not *read only*.

Destination directory on the computer (example):



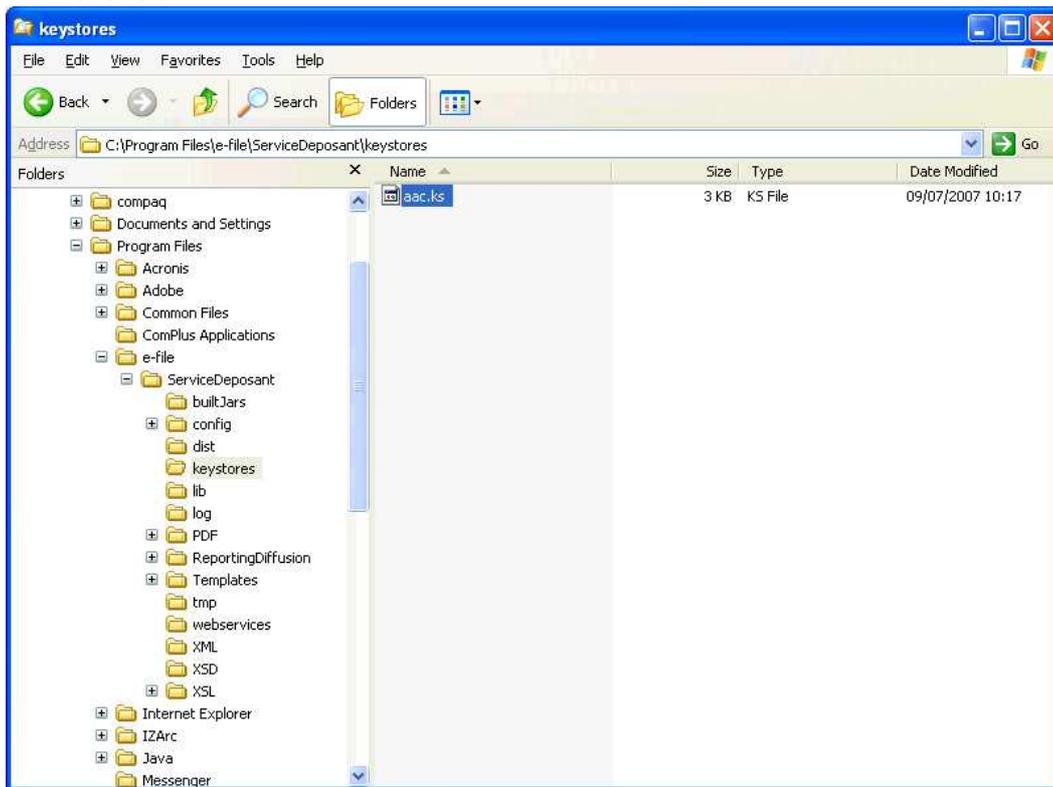
3. **Make a copy** of the `template_configInstall.properties` file and rename it as `[senderName].properties`.

This file is located in the [Sending service](#) root directory, as follows :



Then fill in the file following the ['Configuration of the Sending Service properties file'](#) chapter

4. **Put down the keystore file** (extension ".ks") in the directory called *keystores*, as follows :



5. Install the *Sending service*

- Open a DOS window (Start > run => cmd)
- Move to the *Sending service* directory (e.g. : C:\Program Files\e-file\ServiceDeposant\)

```
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\root>cd \

C:\>cd Program Files\e-file\ServiceDeposant

C:\Program Files\e-file\ServiceDeposant>_
```

- Launch the *Install.bat* command with the configuration file as a parameter :
e.g. : *install aac.properties*

```

C:\Program Files\e-file\ServiceDeposant>install aac.properties
==== Installation de l'API DEPOSANT ====
Entrez le chemin vers le home d'un JRE 1.6:.
<exemple: "C:\Program Files\Java\jre6">.

```

- Fill in the JRE path :
ex : *C:\Program Files\Java\jre6*
or *C:\Program Files\Java\jre7*

```

C:\Program Files\e-file\ServiceDeposant>install aac.properties
==== Installation de l'API DEPOSANT ====
Entrez le chemin vers le home d'un JRE 1.6:.
<exemple: "C:\Program Files\Java\jre6">.
"C:\Program Files\java\jre6"

```

- Press the "Enter" key.
The following screen appears :

```

[copy] Copying C:\Program Files\e-file\ServiceDeposant\batch\templates\temp
late_InstallServiceNT.bat to C:\Program Files\e-file\ServiceDeposant\InstallServ
iceNT.bat
[copy] Copying C:\Program Files\e-file\ServiceDeposant\batch\templates\temp
late_StartServiceNT.bat to C:\Program Files\e-file\ServiceDeposant\StartServiceN
T.bat
[copy] Copying C:\Program Files\e-file\ServiceDeposant\batch\templates\temp
late_UninstallServiceNT.bat to C:\Program Files\e-file\ServiceDeposant\Uninstall
ServiceNT.bat
[copy] Copying C:\Program Files\e-file\ServiceDeposant\batch\templates\temp
late_StopServiceNT.bat to C:\Program Files\e-file\ServiceDeposant\StopServiceNT.
bat
deleteUselessFiles:
deleteWindowsFiles:
deleteUnixFiles:
[delete] Deleting 3 files from C:\Program Files\e-file\ServiceDeposant\batch\
templates
BUILD SUCCESSFUL
Total time: 1 second
C:\Program Files\e-file\ServiceDeposant>

```

The installation is now finished.

If the message *BUILD SUCCESSFUL* appears, you can be sure that the installation was successfully completed.

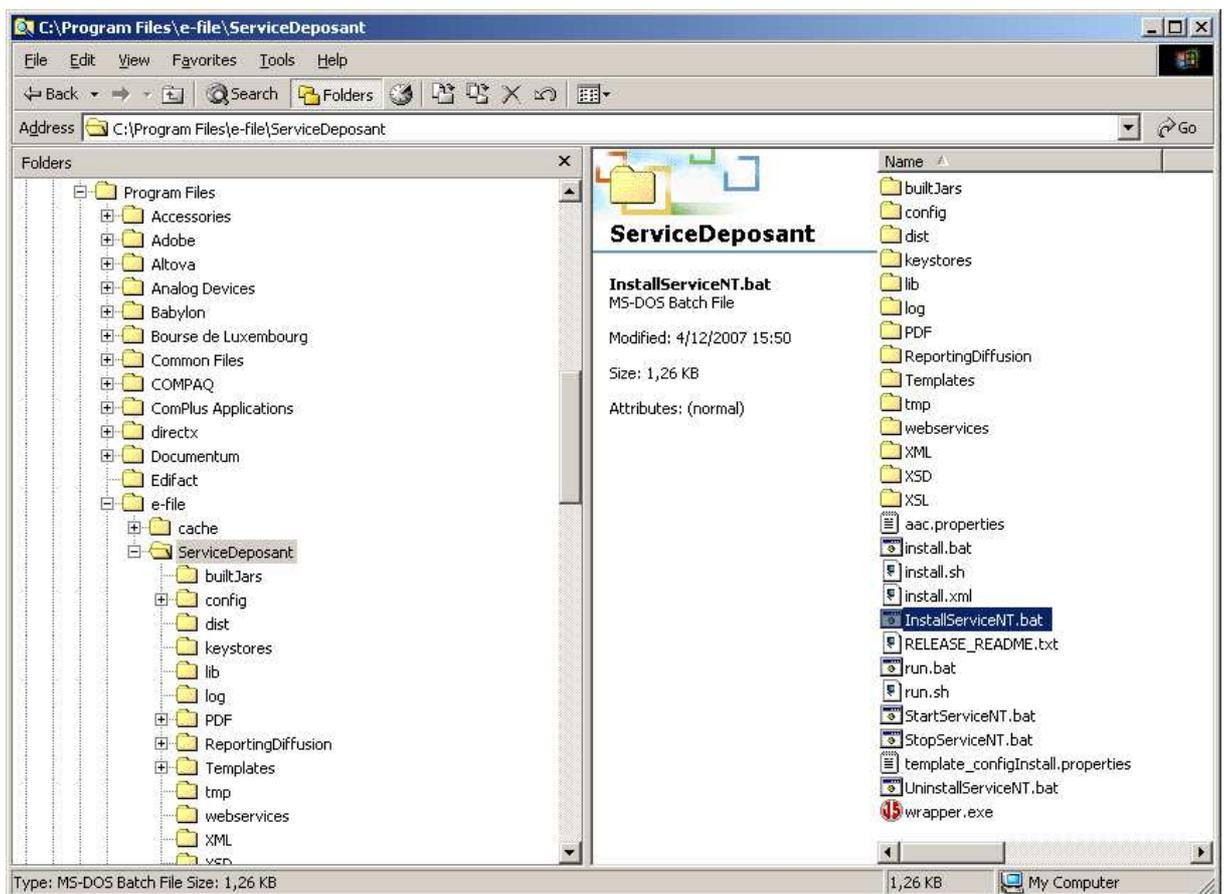
Once the *Sending Service* is started (see chapter 6), all directories will be scanned at regular intervals as specified in the configuration file.

3.2.1 Installation as a Windows service

It is possible to complete the installation of the sending service creating a Windows service.

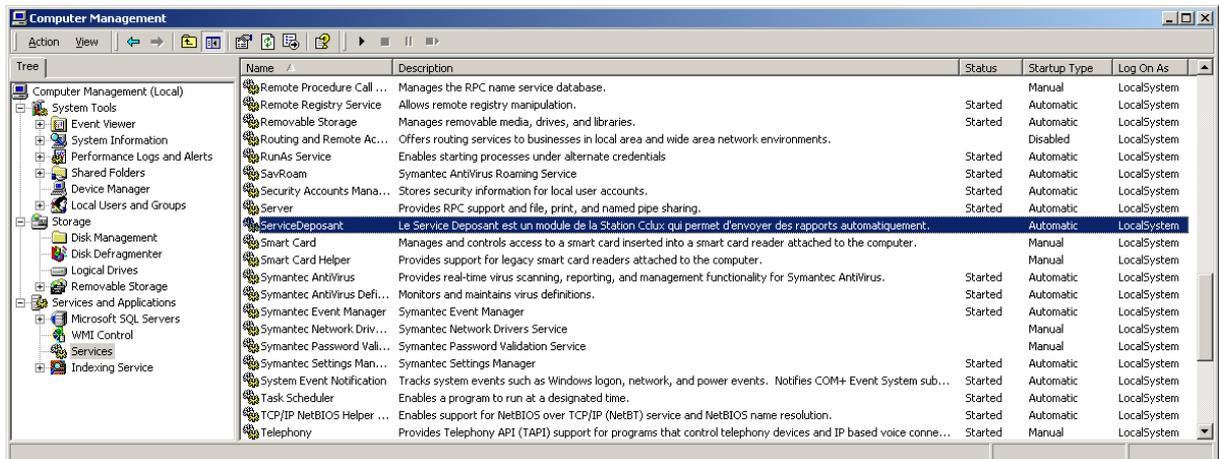
Just double click the *InstallServiceNT.bat* file located in the root directory \ServiceDepositant.

Note : The *InstallServiceNT.bat* file is only available after the Sending service installation...



A DOS window will briefly appear.

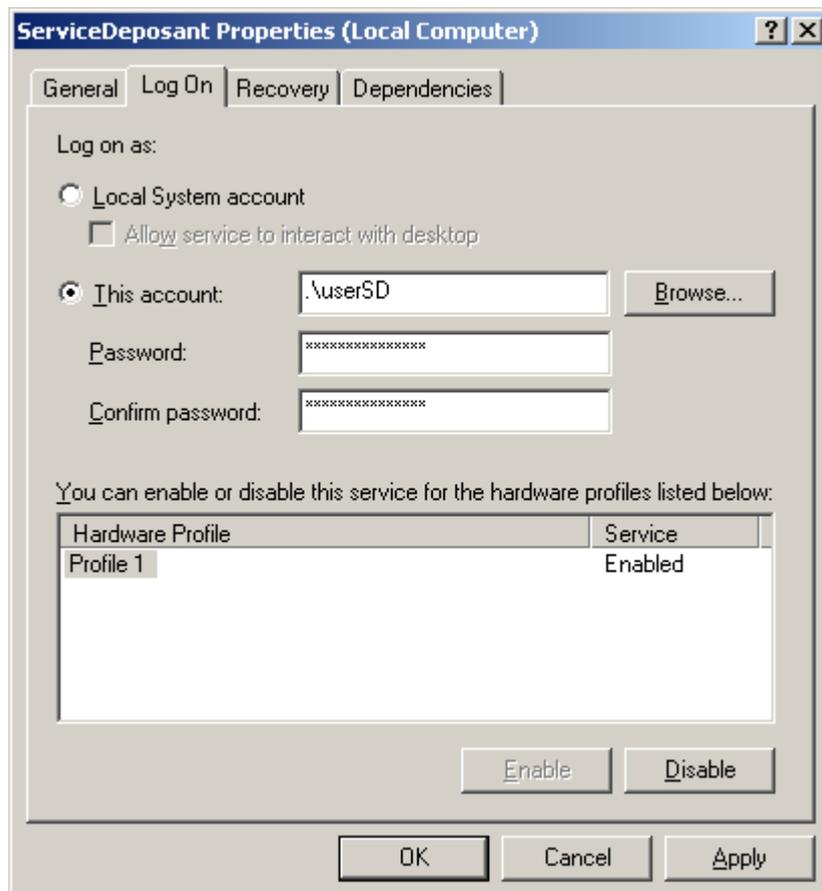
As a result, a new service called 'ServiceDéposant' will be available from your Windows services console (*Start > Control Panel > Administrative Tools > Services*)



Note : Should the Sending service already be installed as a Windows service, you will not be able to install a second instance.

In such a situation you may need to uninstall the service by launching *UninstallServiceNT.bat*. However, if the service name is not changed, there is no need to reinstall it.

Finally, please note that the user associated to this Windows service must have Internet rights. To check that, go to the *Log On* tab of the *Properties* window right clicking the service)



3.2.2 Installation on Unix/Linux

1. **Move to the ServiceDeposit directory**
E.g. : `/opt/ServiceDeposit/`
2. **Check that you have execution rights (x) on the *Install.sh* file**
E.g. : `ls -l`
3. **If not, just add this right using the *chmod* command**
E.g. : `chmod 755 install.sh`
4. **Launch *Install.sh* with the configuration file as parameter**
E.g. : `install.sh config.properties`

```

File Edit View Terminal Help
:~/Downloads/ServiceDeposit$ ls -l
total 340
-rw-r--r-- 1 marco marco 204800 2010-10-08 15:54 wrapper.exe
-rw-r--r-- 1 marco marco 7610 2010-10-08 15:54 template_configInstall.properties
-rw-r--r-- 1 marco marco 8120 2010-10-08 15:54 install.xml
-rw-r--r-- 1 marco marco 1974 2010-10-08 15:54 install.sh
-rw-r--r-- 1 marco marco 1932 2010-10-08 15:54 install.bat
-rw-r--r-- 1 marco marco 31 2010-10-08 15:54 installAuto.bat
drwxr-xr-x 5 marco marco 4096 2010-10-08 16:25 XSL
drwxr-xr-x 24 marco marco 4096 2010-10-08 16:25 XSD
drwxr-xr-x 3 marco marco 4096 2010-10-08 16:25 XML
drwxr-xr-x 2 marco marco 4096 2010-10-08 16:25 webservices
drwxr-xr-x 2 marco marco 4096 2010-10-08 16:25 tmp
drwxr-xr-x 3 marco marco 4096 2010-10-08 16:25 Templates
drwxr-xr-x 20 marco marco 4096 2010-10-08 16:25 ReportingDiffusion
drwxr-xr-x 10 marco marco 4096 2010-10-08 16:25 PDF
drwxr-xr-x 2 marco marco 4096 2010-10-08 16:25 log
drwxr-xr-x 2 marco marco 4096 2010-10-08 16:26 lib
drwxr-xr-x 2 marco marco 4096 2010-10-08 16:26 keystores
drwxr-xr-x 2 marco marco 4096 2010-10-08 16:26 dist
drwxr-xr-x 3 marco marco 4096 2010-10-08 16:26 config
drwxr-xr-x 2 marco marco 4096 2010-10-08 16:26 builtJars
drwxr-xr-x 3 marco marco 4096 2010-10-08 16:26 batch
-rw-r--r-- 1 marco marco 41351 2010-10-08 16:29 RELEASE_README.txt
-rw-r--r-- 1 marco marco 7289 2011-01-13 17:11 config.properties
marco@marco-ubuntu:~/Downloads/ServiceDeposit$ chmod 755 install.sh
marco@marco-ubuntu:~/Downloads/ServiceDeposit$ ./install.sh config.properties

```

5. **Press the Enter key and enter the Java path when requested**

E.g. : `/usr/lib/jvm/java-6-openjdk/jre`

```

File Edit View Terminal Tabs Help
:~/Downloads/ServiceDeposit
:~/Downloads/ServiceDeposit$ ./install.sh config.properties
===== Installation de l'API DEPOSANT =====
Fichier properties: config.properties
Entrez le chemin vers le home d'un JRE 1.5:
(exemple: /home/weblogic/jdk150_04/jre).
/usr/lib/jvm/java-6-openjdk/jre

```

6. Press the Enter key again and wait for the 'BUILD SUCCESSFUL' message.

```

~/Downloads/ServiceDéposant
File Edit View Terminal Help
~/Downloads/ServiceDéposant$ ./install.sh config.properties
===== Installation de l'API DEPOSANT =====
Fichier properties: config.properties
Entrez le chemin vers le home d'un JRE 1.5:
exemple: /home/weblogic/jdk150_04/jre)
/usr/lib/jvm/java-6-openjdk/jre
REIS HOME: /usr/lib/jvm/java-6-openjdk/jre
Copier des fichiers de configuration
Installation...
Buildfile: ./install.xml

install:
[echo] ===== Installation de l'API DEPOSANT =====
[echo] Verification de la presence du jar ./dist/ECHG_DEPO.jar

skJavaHomeToUse:
[copy] Copying 7 files to /home/marco/Downloads/ServiceDéposant/config
[copy] Copying /home/marco/Downloads/ServiceDéposant/Templates/template_log4j.properties to /home/marco/Downloads/ServiceDéposant/config/log4j.properties
[copy] Copying /home/marco/Downloads/ServiceDéposant/Templates/template_api-config.xml to /home/marco/Downloads/ServiceDéposant/config/api-config.xml
[copy] Copying /home/marco/Downloads/ServiceDéposant/Templates/template_environment.properties to /home/marco/Downloads/ServiceDéposant/config/environment.properties
[copy] Copying /home/marco/Downloads/ServiceDéposant/Templates/template_config-transfers-deposit.xml to /home/marco/Downloads/ServiceDéposant/config/config-transfers-deposit.xml
[copy] Copying /home/marco/Downloads/ServiceDéposant/Templates/template_wrapper.properties to /home/marco/Downloads/ServiceDéposant/config/wrapper.properties
[copy] Copying /home/marco/Downloads/ServiceDéposant/Templates/template_scheduler-config.xml to /home/marco/Downloads/ServiceDéposant/config/scheduler-config.xml
[copy] Copying /home/marco/Downloads/ServiceDéposant/Templates/template_monitoringAppender.properties to /home/marco/Downloads/ServiceDéposant/config/monitoringAppender.properties
[copy] Copying 1 file to /home/marco/Downloads/ServiceDéposant/webservices
[copy] Copying /home/marco/Downloads/ServiceDéposant/Templates/webservices/template_webservices-config.xml to /home/marco/Downloads/ServiceDéposant/webservices/webservices-config.xml
[copy] Copying 1 file to /home/marco/Downloads/ServiceDéposant/XML
[copy] Copying /home/marco/Downloads/ServiceDéposant/XML/template/template_GenericRules.xml to /home/marco/Downloads/ServiceDéposant/XML/GenericRules.xml

copyUnixFiles:
[copy] Copying 3 files to /home/marco/Downloads/ServiceDéposant
[copy] Copying /home/marco/Downloads/ServiceDéposant/batch/templates/template_StartSD.sh to /home/marco/Downloads/ServiceDéposant/StartSD.sh
[copy] Copying /home/marco/Downloads/ServiceDéposant/batch/templates/template_run.sh to /home/marco/Downloads/ServiceDéposant/run.sh
[copy] Copying /home/marco/Downloads/ServiceDéposant/batch/templates/template_StopSD.sh to /home/marco/Downloads/ServiceDéposant/StopSD.sh

copyWinFiles:

deleteUselessFiles:

deleteWindowsFiles:

deleteUnixFiles:

BUILD SUCCESSFUL
Total time: 1 second
~/Downloads/ServiceDéposant$

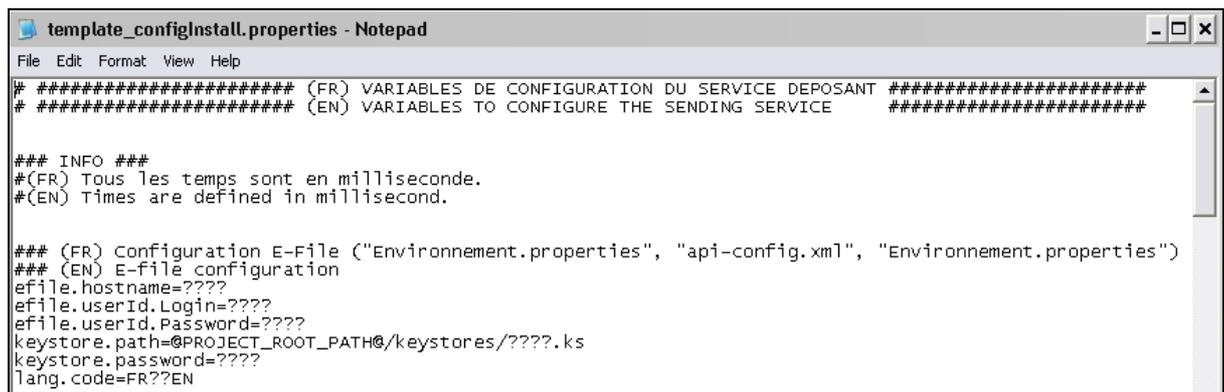
```

4. Configuration of the Sending Service properties file

Before installing (or upgrading) the sending service, you must backup the *template_configInstall.properties* file and rename it as *senderName.properties*.

Finally, you must fill in the file like below .

- E-file configuration



```

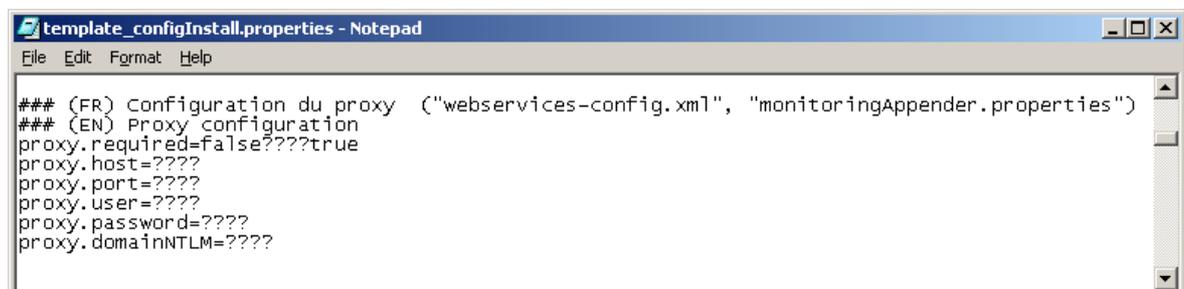
template_configInstall.properties - Notepad
File Edit Format View Help
# ##### (FR) VARIABLES DE CONFIGURATION DU SERVICE DEPOSANT #####
# ##### (EN) VARIABLES TO CONFIGURE THE SENDING SERVICE #####

### INFO ###
#(FR) Tous les temps sont en milliseconde.
#(EN) Times are defined in millisecond.

### (FR) Configuration E-File ("environnement.properties", "api-config.xml", "environnement.properties")
### (EN) E-file configuration
efile.hostname=????
efile.userId.Login=????
efile.userId.Password=????
keystore.path=@PROJECT_ROOT_PATH@/keystores/????.ks
keystore.password=????
lang.code=FR??EN
  
```

Variable	Description
efile.hostname	URL of the e-file server (e.g. : www.e-file.lu).
efile.userId.Login	Sending service login. The sending service user is defined as an e-file one.
efile.userId.Password	Sending service user's password
keystore.path	Keystore path
keystore.password	Keystore password
lang.code	FR / EN : specifies the language of the control acknowledgments

- Proxy configuration



```

template_configInstall.properties - Notepad
File Edit Format Help
### (FR) Configuration du proxy ("webservices-config.xml", "monitoringAppender.properties")
### (EN) Proxy configuration
proxy.required=false???true
proxy.host=????
proxy.port=????
proxy.user=????
proxy.password=????
proxy.domainNTLM=????
  
```

If a proxy is used, you must set the variable *proxy.required=true*.
Fill in the other proxy parameters.

- Configuration of connection for the authorities acknowledgment

```

template_configInstall.properties - Notepad
File Edit Format View Help

### (FR) Configuration du connecteur pour les ack des autorités ("api-config.xml", "scheduler-config.xml")
### (EN) Configuration of connection for authority acknowledgement
efile.listener.state=up

### (FR) Configuration du connecteur pour les retours ("api-config.xml", "scheduler-config.xml")
### (EN) Configuration of connection for feedback
efile.replies.listener.state=up

```

Variable	Description
efile.listener.state	Up / down : activation of the acknowledgment reception
efile.replies.listener.state	Up / down : activation of the feedback

- Configuration of connections for files

```

template_configInstall.properties - Notepad
File Edit Format View Help

### (FR) Configuration des connecteurs pour les fichiers ("api-config.xml", "scheduler-config.xml")
### (EN) Configuration of connections for files
reportingOPC.automatique.state=up??down
reportingOPC.automatique.remotedir=@PROJECT_ROOT_PATH@/ReportingDiffusion/OPC/envoi_Automatique/fichiersc
reportingOPC.automatique.scheduleTime=1800000

reportingOPC.semiAuto.state=up??down
reportingOPC.semiAuto.aTraiter.remotedir=@PROJECT_ROOT_PATH@/ReportingDiffusion/OPC/envoi_SemiAutomatique
reportingOPC.semiAuto.aTraiter.scheduleTime=900000
reportingOPC.semiAuto.aEnvoyer.remotedir=@PROJECT_ROOT_PATH@/ReportingDiffusion/OPC/envoi_SemiAutomatique
reportingOPC.semiAuto.aEnvoyer.scheduleTime=1800000
reportingOPC.semiAuto.aValider.remotedir=@PROJECT_ROOT_PATH@/ReportingDiffusion/OPC/envoi_SemiAutomatique
reportingOPC.semiAuto.NAME_WITH_LIB = false

reportingOPC.envoi_Historique.state=up??down
reportingOPC.envoi_Historique.remotedir=@PROJECT_ROOT_PATH@/ReportingDiffusion/OPC/envoi_Historique/fichi
reportingOPC.envoi_Historique.scheduleTime=1800000

reportingVni.state=up??down
reportingVni.remotedir=@PROJECT_ROOT_PATH@/ReportingDiffusion/VNI
reportingVni.scheduleTime=300000

reportingDividende.state=up??down
reportingDividende.remotedir=@PROJECT_ROOT_PATH@/ReportingDiffusion/Dividendes
reportingDividende.scheduleTime=300000

reportingTAF.state=up??down
reportingTAF.declaration_Transaction.remotedir=@PROJECT_ROOT_PATH@/ReportingDiffusion/TAF/declaration_Tra
reportingTAF.annulation_Transaction.remotedir=@PROJECT_ROOT_PATH@/ReportingDiffusion/TAF/annulation_Trans
reportingTAF.annulation_Rapport.remotedir=@PROJECT_ROOT_PATH@/ReportingDiffusion/TAF/annulation_Rapport
reportingTAF.scheduleTime=1800000

reportingCOREP.state=up??down
reportingCOREP.remotedir=@PROJECT_ROOT_PATH@/ReportingDiffusion/COREP
reportingCOREP.scheduleTime=1800000

reportingFINREP.state=up??down
reportingFINREP.remotedir=@PROJECT_ROOT_PATH@/ReportingDiffusion/FINREP
reportingFINREP.scheduleTime=1800000

reportingFINREP.EDIFACT.state=up??down
reportingFINREP.EDIFACT.remotedir=@PROJECT_ROOT_PATH@/ReportingDiffusion/FINREP/EDIFACT_CSSF
reportingFINREP.EDIFACT.scheduleTime=1800000

reportingBOP.state=up??down
reportingBOP.remotedir=@PROJECT_ROOT_PATH@/ReportingDiffusion/BOP
reportingBOP.scheduleTime=1800000

reportingBCLStat.state=up??down

```

For each types of reports you can send three types of information must be filled:

Variable	Description
reportingXXXX.state	Up / down : To enable (or not) this type of reporting
reportingXXXX.remoteDir	Path of the directory used when the corresponding state is up
reportingXXXX.scheduleTime	The directory will be scanned at this specified interval (in milliseconds).

- Business environment properties

```

### (FR) Propriétés métiers d'environnement ("config-transfers-deposant.xml")
### (EN) Business Environment properties
domain.descr=????
domain.env.ac.id.cssf=????
domain.env.ac.id.bcl=????
domain.env.ac.pwd=????
domain.env.ac.cd_auth=????

```

Variable	Description
domain.descr	Name of the central administration
domain.env.ac.id.cssf	CSSF Identifier (login) of the Central Administration. Information given by the sender
domain.env.ac.id.bcl	BCL Identifier (login) of the Central Administration. Information given by the sender
domain.env.ac.pwd	Password of the Central administration. Information given by the sender
domain.env.ac.cd_auth	Authentication code of the Central administration. Information given by the sender

- Windows service configuration

If the Sending Service is installed as a Windows service, then, both the name and the description are defined this way :

```

### (FR) Configuration du Service windows
### (EN) windows service configuration
wrapper.app.long.name=ServiceDéposant
wrapper.app.name=ServiceDéposant
wrapper.app.description=Le Service Déposant est un module de la station Cclux qui permet d'envoyer des rapports automatiquement.
#AUTO_START or DEMAND_START
wrapper.app.starttype=AUTO_START

```

The parameter `wrapper.app.starttype=DEMAND_START`, means that the service starts only on demand.

The parameter `wrapper.app.starttype=AUTO_START`, means that the service starts automatically when the server is launched (default value).

- Monitoring configuration



```

template_configInstall.properties - Notepad
File Edit Format Help

### (FR) Configuration du monitoring ("monitoringAppender.properties")
### (EN) Configuration of monitoring
mon.app.heartbeat=true
mon.app.origin=????
mon.task.dist.period=60000
  
```

Variable	Description
mon.app.heartbeat	true / false
mon.app.origin	Identifier of sending service given by the Bourse de Luxembourg
mon.task.dist.period	Frequency of the heartbeat (here 60000 milliseconds, 1 min). The interval between two monitoring (by the Bourse). At least one heartbeat must come in this interval otherwise the sending service is considered as down.

5. Several central administrations

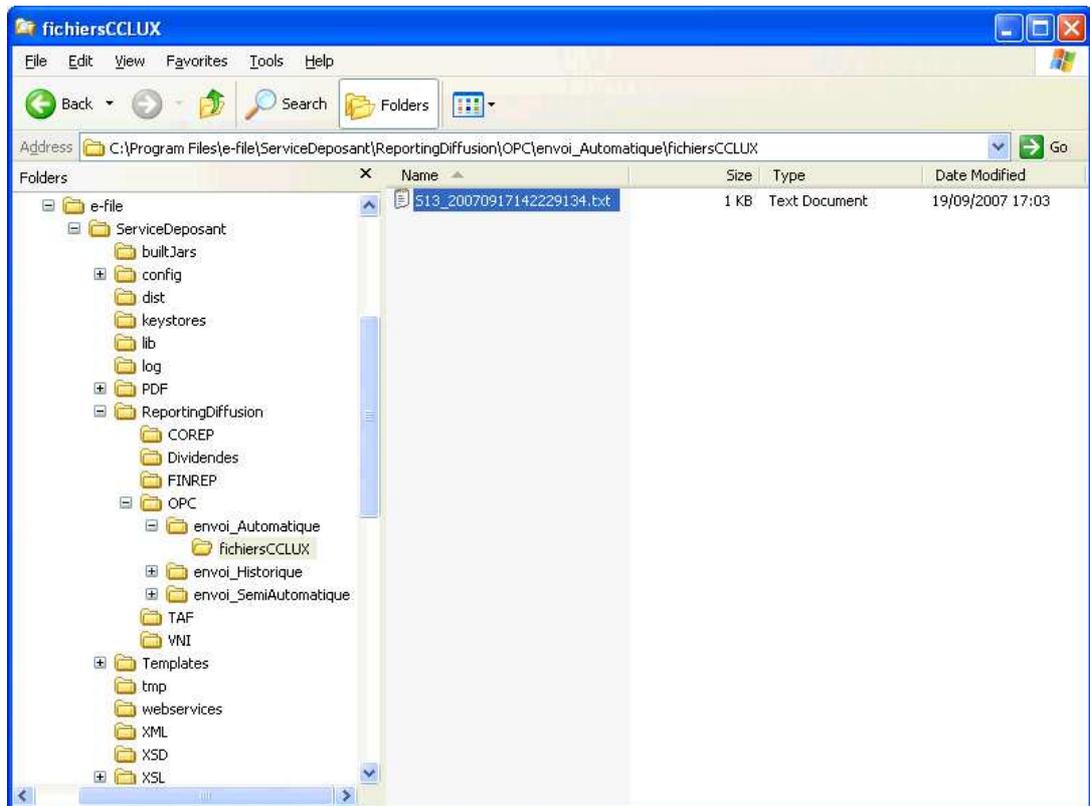
An administrative and accountant agent may manage several central administrations. This case does not need a special configuration.

Reports are sent with the agent's CSSF code.

6. Starting the Sending Service

To execute the *Sending service*, you need to :

1. Place all files to be processed/sent in the appropriate directories :



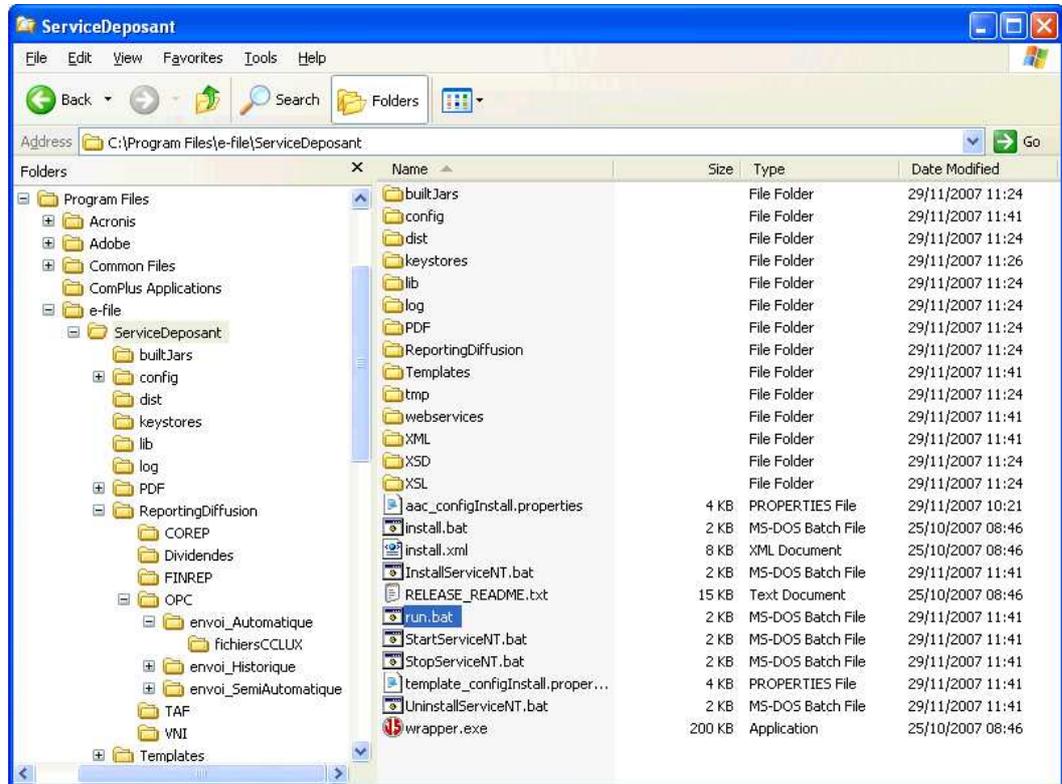
2. Launch the *Sending service*.

Note 1: It is of course possible to launch the *Sending service even if no files needs to be processed*.

Note 2: For a remote access, the user starts *Sending Service* must have the rights to read and write access to remote directories.

- On Windows environment :

Search the program "run.bat" (available on the Sending service root installation directory).



Double click on "run.bat", the following screen appears:

```

ServiceDéposant
INFO | jum 1 | 2007/11/29 11:55:54 | [File=Rapport_S1_3_1_27_5678_1_3
1012007_28022007_20071129_115553.xml]
INFO | jum 1 | 2007/11/29 11:55:54 |
INFO | jum 1 | 2007/11/29 11:55:54 | 11:55:54,284 [INFO ]-[SchedulerApiDepo
sant_Worker-0]- ExtractContextTask
INFO | jum 1 | 2007/11/29 11:55:54 | =>Extracting data from report ... OK
INFO | jum 1 | 2007/11/29 11:55:54 | [LISTENER_ID= reportingOPC.autom
atique.listener]
INFO | jum 1 | 2007/11/29 11:55:54 | [PROCESS= T1]
INFO | jum 1 | 2007/11/29 11:55:54 | [File=Rapport_S1_3_1_27_5678_1_3
1012007_28022007_20071129_115553.xml]
INFO | jum 1 | 2007/11/29 11:55:54 |
INFO | jum 1 | 2007/11/29 11:55:54 | 11:55:54,299 [INFO ]-[SchedulerApiDepo
sant_Worker-0]- CheckContextTask
INFO | jum 1 | 2007/11/29 11:55:54 | =>Checking data of the report context
...
INFO | jum 1 | 2007/11/29 11:55:54 | [LISTENER_ID= reportingOPC.autom
atique.listener]
INFO | jum 1 | 2007/11/29 11:55:54 | [PROCESS= T1]
INFO | jum 1 | 2007/11/29 11:55:54 |
INFO | jum 1 | 2007/11/29 11:55:54 | 11:55:54,346 [INFO ]-[SchedulerApiDepo
sant_Worker-1]- Adapter
INFO | jum 1 | 2007/11/29 11:55:54 | =>[ADAPTER : efile] * Fin Ok *
INFO | jum 1 | 2007/11/29 11:55:54 |

```

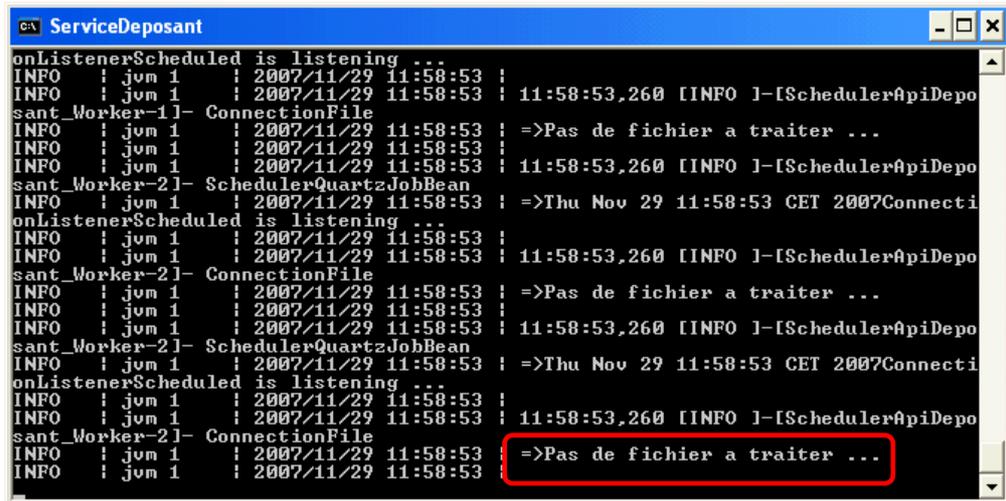
The message * fin OK *, means that the treatment has successfully finished. In a general way, it is possible to check what happened in the log files in the directory `..\ServiceDéposant\log`.

- Error.log
Contain all the informations linked to the sending's errors.

- Resume.log
List the status of the sending.

For more information about this files please refer to the chapter 7.1.3 = Log files

When there is no file to process, the following message appears :
=> Pas de fichier à traiter ...

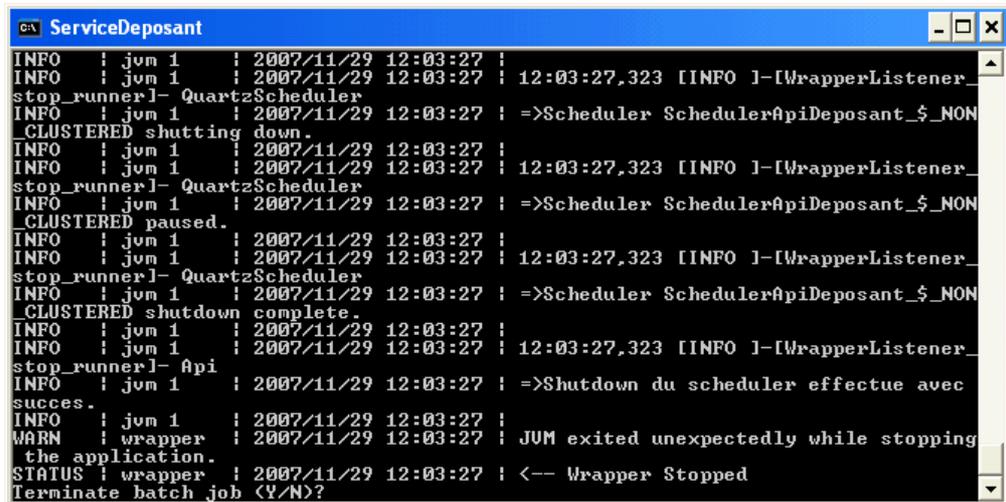


```

ServiceDéposant
onListenerScheduled is listening ...
INFO : jvm 1 : 2007/11/29 11:58:53 :
INFO : jvm 1 : 2007/11/29 11:58:53 : 11:58:53,260 [INFO ]-[SchedulerApiDepo
sant_Worker-1]- ConnectionFile
INFO : jvm 1 : 2007/11/29 11:58:53 : =>Pas de fichier a traiter ...
INFO : jvm 1 : 2007/11/29 11:58:53 :
INFO : jvm 1 : 2007/11/29 11:58:53 : 11:58:53,260 [INFO ]-[SchedulerApiDepo
sant_Worker-2]- SchedulerQuartzJobBean
INFO : jvm 1 : 2007/11/29 11:58:53 : =>Thu Nov 29 11:58:53 CET 2007Connecti
onListenerScheduled is listening ...
INFO : jvm 1 : 2007/11/29 11:58:53 :
INFO : jvm 1 : 2007/11/29 11:58:53 : 11:58:53,260 [INFO ]-[SchedulerApiDepo
sant_Worker-2]- ConnectionFile
INFO : jvm 1 : 2007/11/29 11:58:53 : =>Pas de fichier a traiter ...
INFO : jvm 1 : 2007/11/29 11:58:53 :
INFO : jvm 1 : 2007/11/29 11:58:53 : 11:58:53,260 [INFO ]-[SchedulerApiDepo
sant_Worker-2]- SchedulerQuartzJobBean
INFO : jvm 1 : 2007/11/29 11:58:53 : =>Thu Nov 29 11:58:53 CET 2007Connecti
onListenerScheduled is listening ...
INFO : jvm 1 : 2007/11/29 11:58:53 :
INFO : jvm 1 : 2007/11/29 11:58:53 : 11:58:53,260 [INFO ]-[SchedulerApiDepo
sant_Worker-2]- ConnectionFile
INFO : jvm 1 : 2007/11/29 11:58:53 : =>Pas de fichier a traiter ...
INFO : jvm 1 : 2007/11/29 11:58:53 :

```

To stop the Sending service, you must use **Ctrl + C**, then enter **Y**.



```

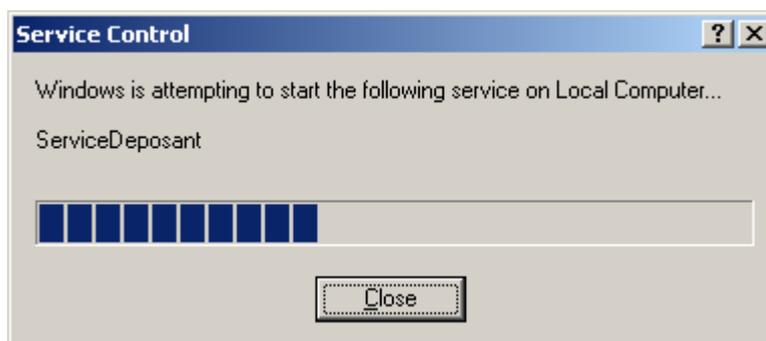
ServiceDéposant
INFO : jvm 1 : 2007/11/29 12:03:27 :
INFO : jvm 1 : 2007/11/29 12:03:27 : 12:03:27,323 [INFO ]-[WrapperListener_
stop_runner]- QuartzScheduler
INFO : jvm 1 : 2007/11/29 12:03:27 : =>Scheduler SchedulerApiDeposant_$_NON
CLUSTERED shutting down.
INFO : jvm 1 : 2007/11/29 12:03:27 :
INFO : jvm 1 : 2007/11/29 12:03:27 : 12:03:27,323 [INFO ]-[WrapperListener_
stop_runner]- QuartzScheduler
INFO : jvm 1 : 2007/11/29 12:03:27 : =>Scheduler SchedulerApiDeposant_$_NON
CLUSTERED paused.
INFO : jvm 1 : 2007/11/29 12:03:27 :
INFO : jvm 1 : 2007/11/29 12:03:27 : 12:03:27,323 [INFO ]-[WrapperListener_
stop_runner]- QuartzScheduler
INFO : jvm 1 : 2007/11/29 12:03:27 : =>Scheduler SchedulerApiDeposant_$_NON
CLUSTERED shutdown complete.
INFO : jvm 1 : 2007/11/29 12:03:27 :
INFO : jvm 1 : 2007/11/29 12:03:27 : 12:03:27,323 [INFO ]-[WrapperListener_
stop_runner]- Api
INFO : jvm 1 : 2007/11/29 12:03:27 : =>Shutdown du scheduler effectue avec
succes.
INFO : jvm 1 : 2007/11/29 12:03:27 :
WARN : wrapper : 2007/11/29 12:03:27 : JVM exited unexpectedly while stopping
the application.
STATUS : wrapper : 2007/11/29 12:03:27 : <-- Wrapper Stopped
Terminate batch job (Y/N)?

```

- Alternative on Windows environment :

To launch the service, just go to the Windows services console (*Start > Control Panel > Administrative Tools > Services*), and right click the 'ServiceDéposant' service to start it.

By default the service is in an auto_start mode, meaning it will be launched while the servers boots.



- On Unix environment :

Run the script "run.sh" (available on the Sending service root installation directory) by running the following command : `./run.sh` .

7. Using the Sending Service in semi automatic mode

The sending Service can be used in a semi automatic way for the UCI reporting. It is useful to visually check the data (PDF edition) or if you want to save data in a readable format. The sending is done after several steps.

1. First, the input file (flat file , XML) must be put down in the directory "ReportingDiffusion\OPC\envoi_SemiAutomatique\fichiersCCLUX_aTraiter" of the Sending Service.

Then, as soon as the file has been processed, it receives a ".trt" extension and a ".pdf"

2. File is created in the "fichiersPDF_aValider" folder.

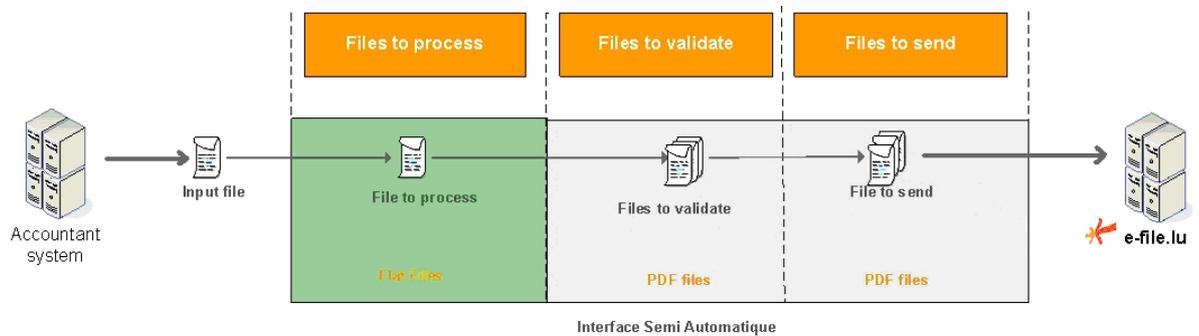
This file will be named following the below convention :

Rapport_01_1_14_1108_1_31012006_28022006_20070317_110851.pdf

Report type
Id Finesti
CSSF funds and compartment
Beginning and ending report date
Creation hour and date of the PDF file

Once the PDF is generated, you can edit it in order to visually verify the data. Should you discover a mistake, you can correct it and save the PDF.

3. Finally, you just need to move (or copy) the PDF to the "fichiersPDF_aEnvoyer" directory. It will be sent automatically.



8. Stopping the sending service

- Windows environment - Manually launched:

If you did launch the Sending Service using the "run.bat" DOS command, you can stop it using **Ctrl + C**, and then pressing the 'Y' key.

- Windows environment - Launched as a Windows service:

If the Sending Service was started via the Windows service you can stop with two ways.

- Thanks to the "StopServiceNT.bat" program available on the Sending Service root folder
- Right clicking the service and selecting Stop in the Windows services control panel. (*Start > Control Panel > Administrative Tools > Services*)

- Unix environment :

Run the script "stop.sh" (available at the root of the Sending Service installation directory) by running the following command : `./stop.sh` .

9. Expected results

After the Sending service is started, you can check its functioning in different ways :

9.1. Generated files by the Sending service

9.1.1. In the "ReportingDiffusion" directory

Once the file is dropped in the appropriate folder, the Sending Service will process it renaming the latter with a ".trt" extension.

Then, once the treatment is achieved, it generates an ".acq" or an ".err" file depending on the result.

- An acquiescence file which has the same name that the input file with the extension ".acq". Depending on the report type , the content of this file may vary.
- An error file (with the ".err" extension) containing the lines that do not fit the management rules defined for the type of document processed and a brief explanation.

Note 1 : It may possible to have a ".acq" file, a ".err" file or both. The acquiescence file indicates that a part of the processing was done correctly. The error one indicates that some treatment has been problematic. That is to say both are not incompatible.

Note 2 : Before the extension ".acq", ".err" or ".trt", a sequence of numbers is added. It is the creation date of this file. The format is as follows :
YYYYMMDDHHMMssmmm.

As a matter of fact, for the ".trt" file, the timestamp is corresponding to the processing date.

In the case of an OPC reporting (O1.1, O4.1, O4.2) or a sending to the BCL (S1.3, TPT or S2.13), a technical acknowledgement file is sent by the authority.

Actually, when the file has reached its destination (CSSF or BCL), the folder containing the file sent is completed by a file having the same name that the input one but with an ".ack" extension.

This indicates that the authority has received the file sent.

9.1.2. Semi-automatic case

Like the automatic mode, when the report has been sent the Sending Service, create a ".acq" or ".err" file depends of the result.

- An acquiescence file which has the same name that the input file with the extension ".acq". This file contains all the line numbers of the input file with respected business rules defined for type of document processing.
- An error file (with the ".err" extension) containing the lines that do not fit the management rules defined for the type of document processed and a brief explanation. This file is only present if the treatments was not properly conducted because of a technical error or an incorrect line.

Note 1 : ; It may possible to have a ".acq" file, a ".err" file or both. The acquiescence file indicates that a part of the processing was done correctly. The

error one indicates that some treatment has been problematic. That is to say both are not incompatible.

Remarque 2 : Before the extension ".acq", ".err" or ".trt", a sequence of numbers is added. It is the creation date of this file. The format is as follows :
YYYYMMDDHHMMssmmm.

As a matter of fact, for the ".trt" file, the timestamp is corresponding to the processing date.

Once the file has reached its destination, the directory containing the file being sent is completed by:

- *an acknowledgment file that has the same name as the input file with the extension ".ack" This file indicates that the authorities have received the file sent.*

Note : Note that these files are accused techniques. For more information about the accused sent by the authorities refer to the documentation on the e-file under 'user manuals' (Return of the authorities' responses to the Service Applicant)

Il est à noter que ces fichiers sont des accusés techniques. Pour avoir plus d'informations sur les accusés envoyés par les autorités se reporter à la documentation présente sur le site e-file dans la section 'Les manuels utilisateurs' ([Return of Authorities Responses tot the Sending Service](#))

9.1.3. Logs files

To check the *Sending service state*, the user also has access to a set of log files available in the "log" directory. This directory contains the following files:

- **sending_service.log** : contains the entire information related to the Sending service treatments.
A new file is generated every day. The current file has no date whereas archived files are suffixed with a date.
- **wrapper_<date of day>.log** : contains in the same time information of sending_service.log and information of the Windows service (if installed)
- **error.log** : contains the errors found in the sending_service.log.
A new file is generated each day. The current file has no date whereas the archived files are suffixed with a date.
- **suivi_error.log** : by default its size is zero. This file is completed if the shipment tracking information on e-file failed.
- **resume.log** : this file contains the list of the treatments done by the *Sending Service* :
 - name of the processed file,
 - number of reports linked to the file,
 - number of reports generated,
 - number of reports sent,
 - name of any ".acq" and ".err" files generated.

9.2. Cookie

A cookie allow you to verify that the sending service is still up. The idea is to regularly update the modification date of the file.

To take advantage of this feature, you must update the file template_log4j.properties like explained bellow :

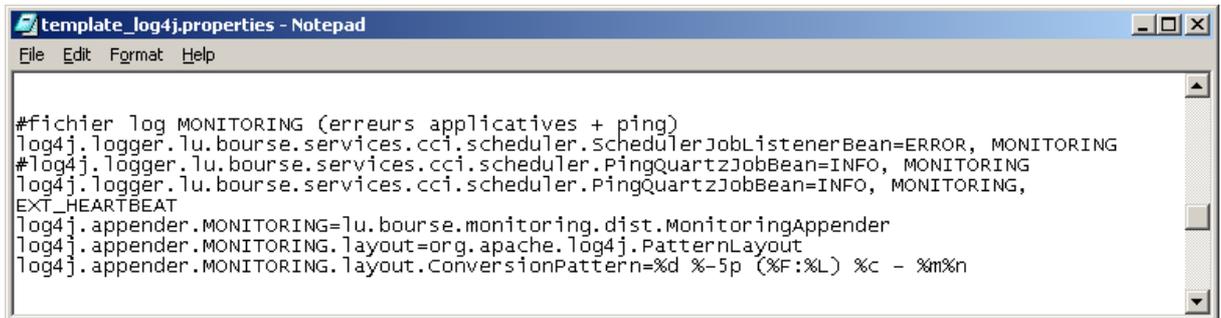
- Comment the line below adding a '#' character:

```
log4j.logger.lu.bourse.services.cci.scheduler.PingQuartzJobBean=INFO, MONITORING
```

- Uncomment the line below removing the '#' character :

```
#log4j.logger.lu.bourse.services.cci.scheduler.PingQuartzJobBean=INFO, MONITORING,  
EXT_HEARTBEAT
```

Result :



```
template_log4j.properties - Notepad
File Edit Format Help

#fichier log MONITORING (erreurs applicatives + ping)
log4j.logger.lu.bourse.services.cci.scheduler.SchedulerJobListenerBean=ERROR, MONITORING
#log4j.logger.lu.bourse.services.cci.scheduler.PingQuartzJobBean=INFO, MONITORING
log4j.logger.lu.bourse.services.cci.scheduler.PingQuartzJobBean=INFO, MONITORING,
EXT_HEARTBEAT
log4j.appender.MONITORING=lu.bourse.monitoring.dist.MonitoringAppender
log4j.appender.MONITORING.layout=org.apache.log4j.PatternLayout
log4j.appender.MONITORING.layout.ConversionPattern=%d %-5p (%F:%L) %c - %m%n
```

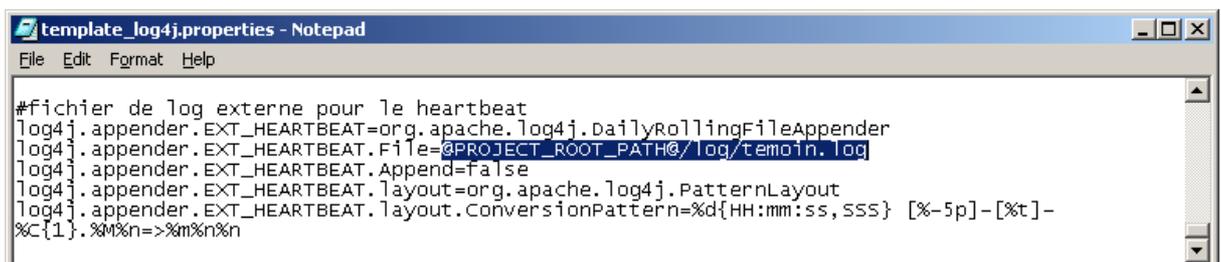
- Uncomment the line below removing the '#' character :

```
#log4j.appender.EXT_HEARTBEAT=org.apache.log4j.DailyRollingFileAppender
#log4j.appender.EXT_HEARTBEAT.File=@CHANGE_IT@
#log4j.appender.EXT_HEARTBEAT.Append=false
#log4j.appender.EXT_HEARTBEAT.layout=org.apache.log4j.PatternLayout
#log4j.appender.EXT_HEARTBEAT.layout.ConversionPattern=%d{HH:mm:ss,SSS} [%-5p]-  
[%t]- %C{1}.%M%n=>%m%n%n
```

- Replace the variable @CHANGE_IT@ in the line below by its value (i.e. the path of file) :

```
log4j.appender.EXT_HEARTBEAT.File=@CHANGE_IT@
```

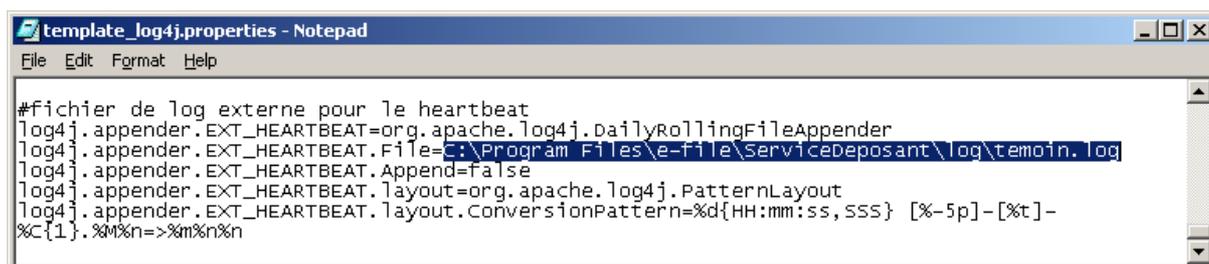
Result :



```
template_log4j.properties - Notepad
File Edit Format Help

#fichier de log externe pour le heartbeat
log4j.appender.EXT_HEARTBEAT=org.apache.log4j.DailyRollingFileAppender
log4j.appender.EXT_HEARTBEAT.File=@PROJECT_ROOT_PATH@/log/temoin.log
log4j.appender.EXT_HEARTBEAT.Append=false
log4j.appender.EXT_HEARTBEAT.layout=org.apache.log4j.PatternLayout
log4j.appender.EXT_HEARTBEAT.layout.ConversionPattern=%d{HH:mm:ss,SSS} [%-5p]-[%t]-
%C{1}.%M%n=>%m%n%n
```

Instead of the variable @CHANGE_IT@, write the absolute path, like following :



```
template_log4j.properties - Notepad
File Edit Format Help
#fichier de log externe pour le heartbeat
log4j.appender.EXT_HEARTBEAT=org.apache.log4j.DailyRollingFileAppender
log4j.appender.EXT_HEARTBEAT.File=C:\Program Files\e-file\ServiceDeposant\log\temoin.log
log4j.appender.EXT_HEARTBEAT.Append=false
log4j.appender.EXT_HEARTBEAT.layout=org.apache.log4j.PatternLayout
log4j.appender.EXT_HEARTBEAT.layout.ConversionPattern=%d{HH:mm:ss,SSS} [%-5p]-[%t]-
%C{1}.%M%n=>%m%n%n
```

Restart the Sending service to take those changes into account