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Verifying ICE's proxy renewal

Prerequisites

- EMI1 WMS Installed and configured with high ICE's proxy renewal frequency (parameter `proxy_renewal_frequency = 120` in `glite_wms.conf`)
- Install the `voms-clients` package on WMS machine in order to be able to quickly inspect proxy lifetime without using long `openssl` commands
- A JDL with valorized attribute `MyProxyServer` (choose your preferred myproxy server) and a sleep of some minute as executable
- Your credentials registered on the same myproxy server specified in the JDL (use the command:
`myproxy-init -s <your_myproxy_machine> -d -C ~/.globus/usercert.pem -y ~/.globus/userkey.pem --voms <your_VO> -A -n`)

Test

Log as root into the WMS machine; make sure ICE is running and change directory to `/var/ice/persist_dir`. Make sure there is not any proxy file in the current directory (a proxy file held by ICE has a name like this: `02DCBA19CA35649ED9E8626E56AF6406D6448863.betterproxy`). If some file is present, it is better you scratch ICE by stopping it (`/etc/init.d/glite-wms-ice stop`), removing everything from the directory `/var/ice/persist_dir` and restart ICE (`/etc/init.d/glite-wms-ice start`).

Switch to the UI and create a voms proxy lasting 30 minutes with the command: `voms-proxy-init -voms -valid 00:30`. Then submit your JDL to the WMS. Switch to the console connected to the WMS machine. A proxy file should be present now (or in few seconds) in the current directory (`/var/ice/persist_dir`). You can verify its validity with the command `voms-proxy-info -all -file proxyfile`. The validity should be few less than 30 minutes. If the validity is about 12 hours, it means that your credentials have been previously registered in the proxy renewal daemon running in the WMS machine. In this case you have to switch off the proxy renewal daemon (`/etc/init.d/glite-proxy-renewald stop`), remove any proxy file from its cache directory (`\rm /var/glite/spool/glite-renewd/*`) and restart it (`/etc/init.d/glite-proxy-renewald start`) and repeat everything since the ICE's scratch. Then recreate a 30 minutes voms proxy and submit your JDL again. Just after verification of the proxy lifetime (that must be about 30 minutes), execute the command

```
tail -f /var/log/wms/ice.log|grep DelegationRenewal
```

At a certain point you will have to see a log message like this...

```
2012-07-05 15:34:05,048 DEBUG - iceCommandDelegationRenewal::renewAllDelegations() - Command outp
2012-07-05 15:34:05,048 DEBUG - iceCommandDelegationRenewal::renewAllDelegations() - Proxy renewa
```

Kill the tail and check again the proxy file held by ICE in its directory `/var/ice/persist_dir`; now the `timelft` should be about 12 hours.

Submitted a simple job

```
[mcecchi@ui ~]$ cat ls_cream.jdl
```

```
[
enablezipperedisb=false;
myproxyserver="myproxy.cnaf.infn.it";
Executable = "/bin/ls";
Arguments = "";
StdOutput = "out.log";
StdError = "err.log";
OutputSandbox = {"out.log", "err.log"};
requirements = RegExp("cream.*", other.GlueCEUniqueID);;
RetryCount = 0;
ShallowRetryCount = 1;
InputSandbox = {"tmp"}
]
```

```
[mcecchi@ui ~]$ glite-wms-job-submit -a --endpoint https://devel11.cnaf.infn.it:7443/glite_wms_wm
```

```
Connecting to the service https://devel11.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

```
===== glite-wms-job-submit Success =====
```

```
The job has been successfully submitted to the WMPProxy
Your job identifier is:
```

```
https://devel11.cnaf.infn.it:9000/sEVxy8E2U2McM11kVME9XQ
```

```
=====
```

```
[mcecchi@ui ~]$ glite-wms-job-status -v 1 https://devel11.cnaf.infn.it:9000/sEVxy8E2U2McM11kVME9
```

```
===== glite-wms-job-status Success =====
```

```
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://devel11.cnaf.infn.it:9000/sEVxy8E2U2McM11kVME9XQ
Current Status:      Scheduled
Status Reason:      unavailable
Destination:        cream-38.pd.infn.it:8443/cream-pbs-creamtest2
Submitted:          Wed Jul 11 10:48:18 2012 CEST
```

```
=====
```

```
[mcecchi@ui ~]$ glite-wms-job-status -v 1 https://devel11.cnaf.infn.it:9000/sEVxy8E2U2McM11kVME9
```

```
===== glite-wms-job-status Success =====
```

```
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://devel11.cnaf.infn.it:9000/sEVxy8E2U2McM11kVME9XQ
Current Status:      Done (Success)
Exit code:           0
Status Reason:      Job Terminated Successfully
Destination:        cream-38.pd.infn.it:8443/cream-pbs-creamtest2
Submitted:          Wed Jul 11 10:48:18 2012 CEST
```

```
=====
```

-- AlviseDorigo - 2012-07-11

This topic: WMS > TestICEProxyRenewal

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