

# Quality Criteria Verification Report

<b>Product</b>	<i>EMI.apel-ssm.sl5_sl6.x86_64_v2.1.3-1 and EMI.apel-parsers.sl5_sl6.x86_64_v1.2.2-1</i>	<b>Release</b>	2.1.3-1 1.2.2-1
<b>Software Provider</b>	<i>EMI</i>	<b>RT Ticket</b>	#7419, #7420
<b>Provider contact</b>	<i>Cristina Aiftimiei &lt;cristina.aiftimiei@pd.infn.it&gt;</i>		
<b>Verifier</b>	<i>Esteban Freire (esfreire@cesga.es)</i>		
<b>Hours worked</b>	<i>8h</i>	<b>Date</b>	21/10/14
<b>Status</b>	<b>Accepted</b>		

## Summary

*No issues found during verification process.*

## Related tickets

*None*

## Documentation Criteria

<b>Document</b>	<b>Link</b>
Release notes	<a href="https://github.com/apel/apel/blob/1.2.2-1/CHANGELOG">https://github.com/apel/apel/blob/1.2.2-1/CHANGELOG</a>
User Documentation	<a href="https://twiki.cern.ch/twiki/pub/EMI/EMI3APELClient/APEL_Client_User_Guide.pdf">https://twiki.cern.ch/twiki/pub/EMI/EMI3APELClient/APEL_Client_User_Guide.pdf</a>
API Documentation	
Admin Documentation	<a href="https://twiki.cern.ch/twiki/pub/EMI/EMI3APELClient/APEL_Publisher_System_Administrator_Guide.pdf">https://twiki.cern.ch/twiki/pub/EMI/EMI3APELClient/APEL_Publisher_System_Administrator_Guide.pdf</a>
Software License	

## Generic Criteria

<b>Criteria</b>	<b>Status<sup>1</sup></b>	<b>Additional Comments</b>
Binary Distribution	<b>OK</b>	
Upgrade	<b>OK</b>	
X.509 Certificate support	NA	
SHA-2 Certificates Support	NA	
RFC Proxy support	NA	
ARGUS Integration	NA	
World Writable Files	NT	Minor release

**1** **OK**, **WARN**, **FAIL**, NA (Not Applicable) or NT (Not Tested)

Passwords in world readable files	NT	Minor release
GlueSchema 1.3 Support	NA	
GlueSchema 2.0 Support	NA	
Middleware Version Information	NT	Minor release
Service Probes	NA	
Accounting Records	OK	
Bug Tracking System	OK	

## Specific QC

---

### Basic Functionality Test

emi.apel-ssm.sl5.x86\_64-2.1.3-1 + EMI.apel-parser.sl5.x86\_64-1.2.2-1

<https://rt.egi.eu/guest/Ticket/Display.html?id=7419>

\* emi.apel-ssm.sl5.x86\_64-2.1.3-1 repository

```

{{{
[root@test07 yum.repos.d]# cat EMI.apel.sl5.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(7419,1627,1556)

```

```

[EMI.apel.sl5.x86_64]
name=EMI.apel.sl5.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-3.emi.apel.sl5.x86_64/1/2/2/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://repository.egi.eu/sw/production/umd/UMD-RPM-PGP-KEY
}}}

```

yum clean all;yum update

```

{{{
=====
=====
=====
=====
Package                Arch                Version
Repository              Size
=====
=====
=====
=====

```

Updating:

apel-client	noarch		1.2.2-1.el5
EMI.apel.sl5.x86_64		16 k	
apel-lib	noarch		1.2.2-1.el5
EMI.apel.sl5.x86_64		45 k	
apel-ssm	noarch		2.1.3-1.el5
EMI.apel.sl5.x86_64		20 k	

Transaction Summary

```

=====
=====
=====
=====
}}}

```

diff /etc/apel/client.cfg /root/client.cfg

diff /etc/apel/sender.cfg /root/sender.cfg

\* Apel publisher client configuration

```

{{{
[root@test07 yum.repos.d]# cat /etc/apel/client.cfg
# Information about the apel client database
[db]
hostname = localhost
port = 3306
name = apelclient
username = apel
password =

```

```

[spec_updater]
enabled = true
# The GOCDB site name
site_name = UMD-VERIFICATION
ldap_host = sbdii02.ncg.ingrid.pt
ldap_port = 2170

```

```

## The following information is necessary for
## local jobs only. Provide an average value for
## machines which your batch system uses.
## Supported specs are HEPSPEC and Si2k
## Provide also a hostname for your batch system.
## This does not need to be a definitive hostname,
## but it should uniquely identify the batch system.
## Example: pbs.gridpp.rl.ac.uk
#lrms_server =
#spec_type = HEPSPEC
#spec_value = 1.0

```

[joiner]

```
enabled = true
local_jobs = false
```

```
[unloader]
enabled = true
dir_location = /var/spool/apel/
```

```
# You may send only summaries of your data to the APEL server,
# rather than individual job records.
# This reduces the network load.
send_summaries = false
```

```
# You may send 'withheld' instead of the user's DN in the
# GlobalUserName field. This is only valid for individual
# job records.
withhold_dns = false
```

```
# Optional: send ONLY these VOs to the APEL server.
# This overrides exclude_vos.
#include_vos = atlas,cms,lhcb
```

```
# Optional: do not send these VOs to the APEL server.
# This does not take effect if include_vos is set.
#exclude_vos = atlas,cms
```

```
# Which records to send:
# latest - just send the new records to the server
# gap - send records from between the specified dates (inclusive)
#       this is only for individual job records
# all - send all records to the server. Don't do this for individual
#       job records without talking to the apel team!
interval = latest
## only used if interval = gap
#gap_start = 2012-01-01
#gap_end = 2012-01-31
```

```
# Send CAR-format records - only for job records
send_ur = false
```

```
[ssm]
enabled = true
```

```
[logging]
logfile = /var/log/apel/client.log
level = INFO
console = true
}}}
```

```
* SSM Configuration
{{{
```

```
[root@test07 ~]# cat /etc/apel/sender.cfghttps://rt.egi.eu/guest/Ticket/Display.html?id=7419
#####
#####
# Required: broker configuration options
#

[broker]

# The SSM will query a BDII to find brokers available. These details are for the
# EGI production broker network
bdii: ldap://lcg-bdii.cern.ch:2170
network: PROD

# OR (these details will only be used if the broker network settings aren't used)
#host: test-msg01.afroditi.hellasgrid.gr
#port: 6163

# broker authentication. If use_ssl is set, the certificates configured
# in the mandatory [certificates] section will be used.
#use_ssl: true
use_ssl: false

#####
#####
# Required: Certificate configuration

[certificates]
certificate: /etc/grid-security/hostcert.pem
key: /etc/grid-security/hostkey.pem
capath: /etc/grid-security/certificates
# If this is supplied, outgoing messages will be encrypted
# using this certificate
#server_cert: /etc/grid-security/servercert.pem

#####
#####
# Messaging configuration.
#

[messaging]

# Queue to which SSM will send messages
destination: /queue/global.accounting.test.cpu.central

# Outgoing messages will be read and removed from this directory.
path: /var/spool/apel/outgoing

[logging]
```

```
logfile: /var/log/apel/ssmsend.log
# Available logging levels:
# DEBUG, INFO, WARN, ERROR, CRITICAL
level: CRITICAL
console: true
}}}
```

\* Running apelclient (OK)

```
{{{
[root@test07 yum.repos.d]# /usr/bin/apelclient
2014-10-17 14:05:35,865 - client - INFO - Starting apel client version 1.2.2
2014-10-17 14:05:35,869 - client - INFO - Connecting to the database ...
2014-10-17 14:05:35,979 - apel.db.backends.mysql - INFO - Connected to
localhost:3306
2014-10-17 14:05:35,979 - apel.db.backends.mysql - INFO - Database: apelclient;
username: apel
2014-10-17 14:05:35,980 - client - INFO - Connected.
2014-10-17 14:05:35,980 - client - INFO - =====
2014-10-17 14:05:35,980 - client - INFO - Starting spec updater.
2014-10-17 14:05:36,255 - client - INFO - Spec updater finished.
2014-10-17 14:05:36,255 - client - INFO - =====
2014-10-17 14:05:36,256 - client - INFO - =====
2014-10-17 14:05:36,256 - client - INFO - Starting joiner.
2014-10-17 14:05:36,256 - apel.db.backends.mysql - INFO - Creating JobRecords
2014-10-17 14:05:36,629 - apel.db.backends.mysql - INFO - Done.
2014-10-17 14:05:36,630 - client - INFO - Joining complete.
2014-10-17 14:05:36,630 - client - INFO - =====
2014-10-17 14:05:36,630 - client - INFO - =====
2014-10-17 14:05:36,630 - client - INFO - Starting summariser.
2014-10-17 14:05:36,631 - apel.db.backends.mysql - INFO - Summarising job
records...
2014-10-17 14:05:36,646 - apel.db.backends.mysql - INFO - Done.
2014-10-17 14:05:36,646 - client - INFO - Summarising complete.
2014-10-17 14:05:36,646 - client - INFO - =====
2014-10-17 14:05:36,647 - client - INFO - =====
2014-10-17 14:05:36,647 - client - INFO - Starting unloader.
2014-10-17 14:05:36,647 - client - INFO - Will unload from VJobRecords.
2014-10-17 14:05:36,655 - apel.db.unloader - INFO - Getting records updated since:
2014-01-24 11:06:54
2014-10-17 14:05:36,689 - apel.db.backends.mysql - INFO - Updating timestamp.
2014-10-17 14:05:36,689 - client - INFO - Unloaded 0 records in 0 messages.
2014-10-17 14:05:36,690 - apel.db.unloader - INFO - Writing sync messages.
2014-10-17 14:05:36,696 - client - INFO - Unloaded 9 sync records in 1 messages.
2014-10-17 14:05:36,696 - client - INFO - Unloading complete.
2014-10-17 14:05:36,697 - client - INFO - =====
2014-10-17 14:05:36,697 - client - INFO - =====
2014-10-17 14:05:36,697 - client - INFO - Starting SSM.
2014-10-17 14:05:37,244 - client - INFO - Found 2 brokers.
2014-10-17 14:05:37,244 - client - INFO - No server certificate supplied. Will not
encrypt messages.
```

```

2014-10-17 14:05:37,384 - stomp.py - INFO - Established connection to host mq.cro-
ngi.hr, port 6163
2014-10-17 14:05:37,387 - ssm.ssm2 - INFO - Will send messages to:
/queue/global.accounting.test.cpu.central
2014-10-17 14:05:37,460 - ssm.ssm2 - INFO - Connected.
2014-10-17 14:05:37,521 - ssm.ssm2 - INFO - Found 1 messages.
2014-10-17 14:05:37,522 - ssm.ssm2 - INFO - Sending message:
544105ec/54410610aa08c2
2014-10-17 14:05:37,558 - ssm.ssm2 - INFO - Waiting for broker to accept message.
2014-10-17 14:05:37,630 - ssm.ssm2 - INFO - Broker received message:
544105ec/54410610aa08c2
2014-10-17 14:05:37,659 - ssm.ssm2 - INFO - Tidying message directory.
2014-10-17 14:05:37,660 - ssm.ssm2 - INFO - SSM connection ended.
2014-10-17 14:05:37,661 - client - INFO - SSM run has finished.
2014-10-17 14:05:37,661 - client - INFO - Sending SSM has shut down.
2014-10-17 14:05:37,662 - client - INFO - SSM stopped.
2014-10-17 14:05:37,662 - client - INFO - =====
2014-10-17 14:05:37,662 - client - INFO - Client finished
}}}

```

**\* World writable files**

\* An easy way to find world-writable files is using the find command:

```

{{{
find / -type f -perm -002 -exec ls -l {} \;
}}}

```

\* For finding world-writable files in the packages contents:

```

{{{
[root@test07 etc]# rpm -qalv | egrep "^[^-d]([^-r][^-w][^-xs]){2}[-r]w"
drwxrwxrwt  2 root  root          0 Jul 20 2011 /tmp
drwxrwxrwt  2 root  root          0 Jul 20 2011 /var/tmp
}}}

```

**\* EMI.apel-parser.sl5.x86\_64-2.2.1 repository**

```

{{{
[root@test06 ~]# cat /etc/yum.repos.d/EMI.apel.sl5.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(7419,1627,1556)

```

```

[EMI.apel.sl5.x86_64]
name=EMI.apel.sl5.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-3.emi.apel.sl5.x86_64/1/2/2/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://repository.egi.eu/sw/production/umd/UMD-RPM-PGP-KEY

```

```
}}}
```

```
* yum clean all;yum update
```

```
{{{
```

```
=====
=====
=====
=====
```

Package Repository	Arch Size	Version
=====		
=====		
=====		

```
Updating:
```

apel-lib	noarch	1.2.2-1.el5
EMI.apel.sl5.x86_64	45 k	
apel-parsers	noarch	1.2.2-1.el5
EMI.apel.sl5.x86_64	11 k	

```
Transaction Summary
```

```
=====
=====
=====
=====
```

```
}}}
```

```
* Configuring with yaim
```

```
{{{
```

```
[root@test06 ~]# cat /opt/glite/yaim/functions/local/config_apel
config_apel_pbs () {
yaimlog INFO "DISABLED APEL parser-config through YAIM"
return 0
}
}}}
```

```
* Running Yaim Configuration
```

```
{{{
```

```
/opt/glite/yaim/bin/yaim -c -s /opt/glite/yaim/etc/site-info.def -n MPI_CE -n creamCE
-n TORQUE_server -n TORQUE_utils
}}}
```

```
* /etc/apel/parser.cfg file content
```

```
{{{
```

```
[root@test06 etc]# cat /etc/apel/parser.cfg
# Information about the apel client database
[db]
hostname = test07.egi.cesga.es
port = 3306
```



```
name = apelclient
username = apel
password =

[site_info]
# Specify the site name from GOCDB
site_name = UMD-VERIFICATION
# Batch system hostname. This does not need to be a definitive hostname,
# but it should uniquely identify the batch system.
# Example: pbs.gridpp.rl.ac.uk
lrms_server = test06.egi.cesga.es

[blah]
enabled = true
dir = /var/log/cream/accounting
# typical logfile name is blahp.log-yyyymmdd
filename_prefix = blahp.log
subdirs = false

[batch]
enabled = true

# Reparse all batch system log files and replace them in the database.
# Use with caution!
reparse = false

# Batch system specific options.
# Valid types are LSF, PBS, SGE, SLURM
type = PBS
# Whether to try to parse multi-core details
parallel = false
# Directory to search for accounting logfiles
dir = /var/torque/server_priv/accounting/
# Prefix shared by all log files to parse
filename_prefix = 201
# Whether to search subdirectories for logfiles
subdirs = false

# LSF only: scale CPU and wall durations according to
# 'HostFactor' value in logfiles
#scale_host_factor = false

[logging]
logfile = /var/log/apelparser.log
level = INFO
console = true
}}}
```

\* Running /usr/bin/apelparser (OK)

```
{}  
[root@test06 etc]# export APEL_HOME=""  
[root@test06 etc]# /usr/bin/apelparser  
2014-10-17 15:05:27,235 - parser - INFO -  
=====  
2014-10-17 15:05:27,251 - parser - INFO - Starting apel parser version 1.2.2  
2014-10-17 15:05:27,405 - apel.db.backends.mysql - INFO - Connected to  
test07.egi.cesga.es:3306  
2014-10-17 15:05:27,406 - apel.db.backends.mysql - INFO - Database: apelclient;  
username: apel  
2014-10-17 15:05:27,406 - parser - INFO - Connection to DB established  
2014-10-17 15:05:27,407 - parser - INFO -  
=====  
2014-10-17 15:05:27,407 - parser - INFO - Setting up parser for blah files  
2014-10-17 15:05:27,552 - apel.parsers.parser - INFO - Site: UMD-VERIFICATION;  
batch system: test06.egi.cesga.es  
2014-10-17 15:05:27,553 - parser - INFO - Scanning directory:  
/var/log/cream/accounting  
2014-10-17 15:05:27,565 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131213  
2014-10-17 15:05:27,577 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140309  
2014-10-17 15:05:27,578 - parser - INFO - Parsing file:  
/var/log/cream/accounting/blahp.log-20141017  
2014-10-17 15:05:27,701 - parser - INFO - Parsed 5 lines  
2014-10-17 15:05:27,701 - parser - INFO - Ignored 0 lines (incomplete jobs)  
2014-10-17 15:05:27,701 - parser - INFO - Failed to parse 0 lines  
2014-10-17 15:05:27,720 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140706  
2014-10-17 15:05:27,730 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140128  
2014-10-17 15:05:27,737 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131025  
2014-10-17 15:05:27,750 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140310  
2014-10-17 15:05:27,778 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140702  
2014-10-17 15:05:27,798 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131206  
2014-10-17 15:05:27,815 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140307  
2014-10-17 15:05:27,818 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140127  
2014-10-17 15:05:27,835 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140707  
2014-10-17 15:05:27,866 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140705  
2014-10-17 15:05:27,884 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140704
```

2014-10-17 15:05:27,888 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140710  
2014-10-17 15:05:27,901 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131215  
2014-10-17 15:05:27,914 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140124  
2014-10-17 15:05:27,933 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131207  
2014-10-17 15:05:27,939 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131205  
2014-10-17 15:05:27,947 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131214  
2014-10-17 15:05:27,967 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140703  
2014-10-17 15:05:27,995 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140311  
2014-10-17 15:05:28,002 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140308  
2014-10-17 15:05:28,017 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140712  
2014-10-17 15:05:28,021 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131208  
2014-10-17 15:05:28,023 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131216  
2014-10-17 15:05:28,027 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131211  
2014-10-17 15:05:28,035 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140125  
2014-10-17 15:05:28,054 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140630  
2014-10-17 15:05:28,058 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140701  
2014-10-17 15:05:28,060 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131209  
2014-10-17 15:05:28,062 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131217  
2014-10-17 15:05:28,076 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140709  
2014-10-17 15:05:28,087 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131212  
2014-10-17 15:05:28,099 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140312  
2014-10-17 15:05:28,105 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131210  
2014-10-17 15:05:28,111 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20131204  
2014-10-17 15:05:28,114 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140711  
2014-10-17 15:05:28,126 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140708

2014-10-17 15:05:28,191 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140126  
2014-10-17 15:05:28,200 - parser - INFO - Skipping file (already parsed):  
/var/log/cream/accounting/blahp.log-20140306  
2014-10-17 15:05:28,250 - parser - INFO - Finished parsing blah log files.  
2014-10-17 15:05:28,252 - parser - INFO -  
=====  
2014-10-17 15:05:28,252 - parser - INFO - Setting up parser for PBS files  
2014-10-17 15:05:28,308 - apel.parsers.parser - INFO - Site: UMD-VERIFICATION;  
batch system: test06.egi.cesga.es  
2014-10-17 15:05:28,309 - parser - INFO - Scanning directory:  
/var/torque/server\_priv/accounting/  
2014-10-17 15:05:28,330 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20131214  
2014-10-17 15:05:28,353 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140127  
2014-10-17 15:05:28,366 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140310  
2014-10-17 15:05:28,369 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20131213  
2014-10-17 15:05:28,371 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140124  
2014-10-17 15:05:28,381 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20131216  
2014-10-17 15:05:28,398 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140711  
2014-10-17 15:05:28,406 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20131209  
2014-10-17 15:05:28,432 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140706  
2014-10-17 15:05:28,493 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140630  
2014-10-17 15:05:28,512 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140306  
2014-10-17 15:05:28,513 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140713  
2014-10-17 15:05:28,526 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140708  
2014-10-17 15:05:28,530 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140308  
2014-10-17 15:05:28,533 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140311  
2014-10-17 15:05:28,539 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140710  
2014-10-17 15:05:28,542 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20131211  
2014-10-17 15:05:28,552 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20131206  
2014-10-17 15:05:28,555 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140312

2014-10-17 15:05:28,558 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20131212

2014-10-17 15:05:28,566 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20131025

2014-10-17 15:05:28,579 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140709

2014-10-17 15:05:28,582 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20131210

2014-10-17 15:05:28,586 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140128

2014-10-17 15:05:28,595 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20131204

2014-10-17 15:05:28,603 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140703

2014-10-17 15:05:28,607 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140307

2014-10-17 15:05:28,612 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140126

2014-10-17 15:05:28,615 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140712

2014-10-17 15:05:28,615 - parser - INFO - Skipping file (failed to parse previously):  
/var/torque/server\_priv/accounting/20131127

2014-10-17 15:05:28,618 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20131208

2014-10-17 15:05:28,622 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140125

2014-10-17 15:05:28,623 - parser - INFO - Parsing file:  
/var/torque/server\_priv/accounting/20141017

2014-10-17 15:05:28,710 - parser - INFO - Parsed 5 lines

2014-10-17 15:05:28,710 - parser - INFO - Ignored 10 lines (incomplete jobs)

2014-10-17 15:05:28,710 - parser - INFO - Failed to parse 0 lines

2014-10-17 15:05:28,718 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140702

2014-10-17 15:05:28,722 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20131207

2014-10-17 15:05:28,725 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20131215

2014-10-17 15:05:28,730 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140707

2014-10-17 15:05:28,748 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140701

2014-10-17 15:05:28,763 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20140705

2014-10-17 15:05:28,768 - parser - INFO - Skipping file (already parsed):  
/var/torque/server\_priv/accounting/20131205

2014-10-17 15:05:28,770 - parser - INFO - Parsing file:  
/var/torque/server\_priv/accounting/20140811

2014-10-17 15:05:28,770 - parser - WARNING - Failed to parse file. Is PBSParser  
correct?

```

2014-10-17 15:05:28,775 - parser - INFO - Skipping file (already parsed):
/var/torque/server_priv/accounting/20140704
2014-10-17 15:05:28,782 - parser - INFO - Skipping file (already parsed):
/var/torque/server_priv/accounting/20131217
2014-10-17 15:05:28,785 - parser - INFO - Skipping file (already parsed):
/var/torque/server_priv/accounting/20140309
2014-10-17 15:05:28,811 - parser - INFO - Finished parsing PBS log files.
2014-10-17 15:05:28,813 - parser - INFO - Parser has completed.
2014-10-17 15:05:28,813 - parser - INFO -
=====
}}}
```

\* World writable files

\* An easy way to find world-writable files is using the find command:

```

{{{
find / -type f -perm -002 -exec ls -l {} \;
}}}
```

\* For finding world-writable files in the packages contents:

```

{{{
[root@test06 ~]# rpm -qalv | egrep "^[^d]([^-w][-xs]){2}[-r]w"
drwxrwxrwt  2 root  root           0 Jul 20  2011 /tmp
drwxrwxrwt  2 root  root           0 Jul 20  2011 /var/tmp
drwxrwxrwt  2 root  root           0 Dec  3  2011 /var/lib/torque/checkpoint
drwxrwxrwt  2 root  root           0 Dec  3  2011 /var/lib/torque/spool
drwxrwxrwt  2 root  root           0 Dec  3  2011 /var/lib/torque/undelivered
drwxrwxrwt  2 root  root           0 Oct 13  2011 /var/spool/maui/spool
}}}
```

**emi.apel-ssm.sl6.x86\_64-2.1.3-1 + EMI.apel-parser.sl6.x86\_64-1.2.2-1**

<https://rt.egi.eu/guest/Ticket/Display.html?id=7420>

\* emi.apel-ssm.sl6.x86\_64-2.1.3-1 repository

```

{{{
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(7420,1628,1557)
```

```

[EMI.apel.sl6.x86_64]
name=EMI.apel.sl6.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-3.emi.apel.sl6.x86_64/1/2/2/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://repository.egi.eu/sw/production/umd/UMD-RPM-PGP-KEY
}}}
```

```
yum clean all;yum update
```

```
{{{
```

```
=====
=====
=====
=====
```

Package	Arch	Size	Version
Repository			
=====			
=====			
=====			

```
Updating:
```

apel-client	noarch		1.2.2-1.el6
EMI.apel.sl6.x86_64		15 k	
apel-lib	noarch		1.2.2-1.el6
EMI.apel.sl6.x86_64		44 k	
apel-ssm	noarch		2.1.3-1.el6
EMI.apel.sl6.x86_64		20 k	

```
Transaction Summary
```

```
=====
=====
=====
=====
```

```
}}}
```

```
diff /etc/apel/client.cfg /root/client.cfg
```

```
diff /etc/apel/sender.cfg /root/sender.cfg
```

```
* Apel publisher client configuration
```

```
{{{
```

```
[root@test07 yum.repos.d]# cat /etc/apel/client.cfg
```

```
# Information about the apel client database
```

```
[db]
```

```
hostname = localhost
```

```
port = 3306
```

```
name = apelclient
```

```
username = apel
```

```
password =
```

```
[spec_updater]
```

```
enabled = true
```

```
# The GOCDB site name
```

```
site_name = UMD-VERIFICATION
```

```
ldap_host = sbdii02.ncg.ingrid.pt
```

```
ldap_port = 2170
```

```
## The following information is necessary for
## local jobs only. Provide an average value for
## machines which your batch system uses.
## Supported specs are HEPSPEC and Si2k
## Provide also a hostname for your batch system.
## This does not need to be a definitive hostname,
## but it should uniquely identify the batch system.
## Example: pbs.gridpp.rl.ac.uk
#lrms_server =
#spec_type = HEPSPEC
#spec_value = 1.0

[joiner]
enabled = true
local_jobs = false

[unloader]
enabled = true
dir_location = /var/spool/apel/

# You may send only summaries of your data to the APEL server,
# rather than individual job records.
# This reduces the network load.
send_summaries = false

# You may send 'withheld' instead of the user's DN in the
# GlobalUserName field. This is only valid for individual
# job records.
withhold_dns = false

# Optional: send ONLY these VOs to the APEL server.
# This overrides exclude_vos.
#include_vos = atlas,cms,lhcb

# Optional: do not send these VOs to the APEL server.
# This does not take effect if include_vos is set.
#exclude_vos = atlas,cms

# Which records to send:
# latest - just send the new records to the server
# gap - send records from between the specified dates (inclusive)
# this is only for individual job records
# all - send all records to the server. Don't do this for individual
# job records without talking to the apel team!
interval = latest
## only used if interval = gap
#gap_start = 2012-01-01
#gap_end = 2012-01-31
```



```

# Send CAR-format records - only for job records
send_ur = false

[ssm]
enabled = true

[logging]
logfile = /var/log/apel/client.log
level = INFO
console = true
}}}

* SSM Configuration
{{{
[root@test07 ~]# cat /etc/apel/sender.cfg
#####
#####
# Required: broker configuration options
#

[broker]

# The SSM will query a BDII to find brokers available. These details are for the
# EGI production broker network
bdii: ldap://lcg-bdii.cern.ch:2170
network: PROD

# OR (these details will only be used if the broker network settings aren't used)
#host: test-msg01.afroditi.hellasgrid.gr
#port: 6163

# broker authentication. If use_ssl is set, the certificates configured
# in the mandatory [certificates] section will be used.
#use_ssl: true
use_ssl: false

#####
#####
# Required: Certificate configuration

[certificates]
certificate: /etc/grid-security/hostcert.pem
key: /etc/grid-security/hostkey.pem
capath: /etc/grid-security/certificates
# If this is supplied, outgoing messages will be encrypted
# using this certificate
#server_cert: /etc/grid-security/servercert.pem

```

```
#####  
#####  
# Messaging configuration.  
#  
[messaging]  
  
# Queue to which SSM will send messages  
destination: /queue/global.accounting.test.cpu.central  
  
# Outgoing messages will be read and removed from this directory.  
path: /var/spool/apel/outgoing  
  
[logging]  
logfile: /var/log/apel/ssmsend.log  
# Available logging levels:  
# DEBUG, INFO, WARN, ERROR, CRITICAL  
level: CRITICAL  
console: true  
}}}  
  
}}}  
* Running apelclient (OK)  
{{{  
[root@test07 ~]# /usr/bin/apelclient  
2014-10-17 13:01:45,486 - client - INFO - Starting apel client version 1.2.2  
2014-10-17 13:01:45,487 - client - INFO - Connecting to the database ...  
2014-10-17 13:01:45,496 - apel.db.backends.mysql - INFO - Connected to  
localhost:3306  
2014-10-17 13:01:45,496 - apel.db.backends.mysql - INFO - Database: apelclient;  
username: apel  
2014-10-17 13:01:45,496 - client - INFO - Connected.  
2014-10-17 13:01:45,496 - client - INFO - =====  
2014-10-17 13:01:45,496 - client - INFO - Starting spec updater.  
2014-10-17 13:01:45,919 - client - INFO - Spec updater finished.  
2014-10-17 13:01:45,920 - client - INFO - =====  
2014-10-17 13:01:45,920 - client - INFO - =====  
2014-10-17 13:01:45,920 - client - INFO - Starting joiner.  
2014-10-17 13:01:45,920 - apel.db.backends.mysql - INFO - Creating JobRecords  
2014-10-17 13:01:46,260 - apel.db.backends.mysql - INFO - Done.  
2014-10-17 13:01:46,260 - client - INFO - Joining complete.  
2014-10-17 13:01:46,260 - client - INFO - =====  
2014-10-17 13:01:46,260 - client - INFO - =====  
2014-10-17 13:01:46,260 - client - INFO - Starting summariser.  
2014-10-17 13:01:46,261 - apel.db.backends.mysql - INFO - Summarising job  
records...  
2014-10-17 13:01:46,327 - apel.db.backends.mysql - INFO - Done.  
2014-10-17 13:01:46,328 - client - INFO - Summarising complete.  
2014-10-17 13:01:46,328 - client - INFO - =====  
2014-10-17 13:01:46,328 - client - INFO - =====
```

```

2014-10-17 13:01:46,328 - client - INFO - Starting unloader.
2014-10-17 13:01:46,328 - client - INFO - Will unload from VJobRecords.
2014-10-17 13:01:46,329 - apel.db.unloader - INFO - Getting records updated since:
2014-10-17 05:15:02
2014-10-17 13:01:46,433 - apel.db.backends.mysql - INFO - Updating timestamp.
2014-10-17 13:01:46,434 - client - INFO - Unloaded 0 records in 0 messages.
2014-10-17 13:01:46,434 - apel.db.unloader - INFO - Writing sync messages.
2014-10-17 13:01:46,438 - client - INFO - Unloaded 27 sync records in 1 messages.
2014-10-17 13:01:46,438 - client - INFO - Unloading complete.
2014-10-17 13:01:46,438 - client - INFO - =====
2014-10-17 13:01:46,439 - client - INFO - =====
2014-10-17 13:01:46,439 - client - INFO - Starting SSM.
2014-10-17 13:01:46,797 - client - INFO - Found 2 brokers.
2014-10-17 13:01:46,798 - client - INFO - No server certificate supplied. Will not
encrypt messages.
2014-10-17 13:01:46,892 - stomp.py - INFO - Established connection to host mq.cro-
ngi.hr, port 6163
2014-10-17 13:01:46,961 - ssm.ssm2 - INFO - Will send messages to:
global.accounting.test.cpu.central
2014-10-17 13:01:46,962 - ssm.ssm2 - INFO - Connected.
2014-10-17 13:01:47,062 - ssm.ssm2 - INFO - Found 1 messages.
2014-10-17 13:01:47,062 - ssm.ssm2 - INFO - Sending message:
5440f6ec/5440f71a6afd79
2014-10-17 13:01:47,074 - ssm.ssm2 - INFO - Waiting for broker to accept message.
2014-10-17 13:01:47,144 - ssm.ssm2 - INFO - Broker received message:
5440f6ec/5440f71a6afd79
2014-10-17 13:01:47,175 - ssm.ssm2 - INFO - Tidying message directory.
2014-10-17 13:01:47,176 - ssm.ssm2 - INFO - SSM connection ended.
2014-10-17 13:01:47,176 - client - INFO - SSM run has finished.
2014-10-17 13:01:47,176 - client - INFO - Sending SSM has shut down.
2014-10-17 13:01:47,176 - client - INFO - SSM stopped.
2014-10-17 13:01:47,177 - client - INFO - =====
2014-10-17 13:01:47,177 - client - INFO - Client finished
}}}

```

**\* EMI.apel-parser.sl6.x86\_64-2.2.1 repository**

```

{{{
[root@test06 yum.repos.d]# cat EMI.apel.sl6.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(7420,1628,1557)

```

```

[EMI.apel.sl6.x86_64]
name=EMI.apel.sl6.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-3.emi.apel.sl6.x86_64/1/2/2/
enabled=1
protect=1
priority=1
gpgcheck=1

```

gpgkey=http://repository.egi.eu/sw/production/umd/UMD-RPM-PGP-KEY

}}}

\* yum clean all;yum update

{{{

=====  
=====  
=====

Package	Arch	Version
Repository	Size	
=====		
=====		
=====		

Updating:

apel-lib	noarch	1.2.2-1.el6
EMI.apel.sl6.x86_64	44 k	
apel-parsers	noarch	1.2.2-1.el6
EMI.apel.sl6.x86_64	11 k	

Transaction Summary

=====  
=====  
=====

}}}

\* Configuring with yaim

{{{

```
[root@test06 ~]# cat /opt/glite/yaim/functions/local/config_apel
config_apel_pbs () {
yaimlog INFO "DISABLED APEL parser-config through YAIM"
return 0
}
}}
```

\* YAIM reconfiguration OK

{{{

```
/opt/glite/yaim/bin/yaim -c -s /opt/glite/yaim/etc/site-info.def -n MPI_CE -n creamCE
-n TORQUE_server -n TORQUE_utils
}}
```

\* Running /usr/bin/apelparser (OK)

{{{

```
[root@test06 ~]# cat /etc/apel/parser.cfg
# Information about the apel client database
[db]
hostname = test07.egi.cesga.es
port = 3306
```

```
name = apelclient
username = apel
password =
[site_info]
# Specify the site name from GOCDB
##site_name = CESGA
site_name = UMD-VERIFICATION

# Batch system hostname. This does not need to be a definitive hostname,
# but it should uniquely identify the batch system.
# Example: pbs.gridpp.rl.ac.uk
lrms_server = test06.egi.cesga.es
```

```
[blah]
enabled = true
dir = /var/log/cream/accounting
# typical logfile name is blahp.log-yyyymmdd
filename_prefix = blahp.log
subdirs = false
```

```
[batch]
enabled = true
```

```
# Reparse all batch system log files and replace them in the database.
# Use with caution!
reparse = false
```

```
# Batch system specific options.
# Valid types are LSF, PBS, SGE, SLURM
type = PBS
# Whether to try to parse multi-core details
parallel = false
# Directory to search for accounting logfiles
dir = /var/lib/torque/server_priv/accounting/
# Prefix shared by all log files to parse
filename_prefix = 201
# Whether to search subdirectories for logfiles
subdirs = false
```

```
# LSF only: scale CPU and wall durations according to
# 'HostFactor' value in logfiles
#scale_host_factor = false
```

```
[logging]
logfile = /var/log/apelparser.log
level = INFO
console = true
}}}
```

```
* Running /usr/bin/apelparser (OK)
```

## **New Features/Fixed Bugs**

## **Additional Info**

---