

## Testing Report for CEMon 1.13.1 (Savannah task #20901 )

### Clean installation

#### Yum

yum installation log is available here

#### Yaim configuration

yaim configuration log is available here

### Update

#### Yum

yum update log is available here

#### Yaim configuration

yaim configuration log is available here

### System tests

#### Basic functionality tests

**Check if the CEMon service is published in the CREAM CE resource BDII in Glue 1.3**

Result: PASSED

```
$ ldapsearch -h cream-35.pd.infn.it -x -p 2170 -b "o=grid" "objectclass=GlueService"
```

```
...  
...
```

```
# cream-35.pd.infn.it_org.glite.ce.Monitor_3866950939, resource, grid  
dn: GlueServiceUniqueID=cream-35.pd.infn.it_org.glite.ce.Monitor_3866950939,Mds-Vo-name=resource,  
GlueServiceAccessControlBaseRule: VO:cms  
GlueServiceAccessControlBaseRule: VO:dteam  
GlueServiceAccessControlBaseRule: VO:infngrid  
GlueServiceAccessControlBaseRule: VO:creamtest  
GlueServiceAccessControlBaseRule: VO:test01  
GlueServiceAccessControlBaseRule: VO:test02  
GlueServiceAccessControlBaseRule: VO:test03  
GlueServiceAccessControlBaseRule: VO:test04  
GlueServiceAccessControlBaseRule: VO:test05  
GlueServiceAccessControlBaseRule: VO:test06  
GlueServiceAccessControlBaseRule: VO:test07  
GlueServiceAccessControlBaseRule: VO:test08  
GlueServiceAccessControlBaseRule: VO:test09  
GlueServiceAccessControlBaseRule: VO:test10  
GlueServiceAccessControlBaseRule: VO:test11  
GlueServiceAccessControlBaseRule: VO:test12  
GlueServiceAccessControlBaseRule: VO:test13  
GlueServiceAccessControlBaseRule: VO:test14  
GlueServiceAccessControlBaseRule: VO:test15  
GlueServiceAccessControlBaseRule: VO:test16
```

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GlueServiceAccessControlBaseRule: VO:test17  
GlueServiceAccessControlBaseRule: VO:test18  
GlueServiceAccessControlBaseRule: VO:test19  
GlueServiceAccessControlBaseRule: VO:test20  
GlueServiceAccessControlBaseRule: VO:test21  
GlueServiceAccessControlBaseRule: VO:alice  
GlueServiceStatus: OK  
GlueServiceStatusInfo: /etc/init.d/tomcat5 is already running (18836)  
objectClass: GlueTop  
objectClass: GlueService  
objectClass: GlueKey  
objectClass: GlueSchemaVersion  
GlueServiceUniqueID: cream-35.pd.infn.it\_org.glite.ce.Monitor\_3866950939  
GlueServiceAccessControlRule: cms  
GlueServiceAccessControlRule: dteam  
GlueServiceAccessControlRule: infngrid  
GlueServiceAccessControlRule: creamtest  
GlueServiceAccessControlRule: test01  
GlueServiceAccessControlRule: test02  
GlueServiceAccessControlRule: test03  
GlueServiceAccessControlRule: test04  
GlueServiceAccessControlRule: test05  
GlueServiceAccessControlRule: test06  
GlueServiceAccessControlRule: test07  
GlueServiceAccessControlRule: test08  
GlueServiceAccessControlRule: test09  
GlueServiceAccessControlRule: test10  
GlueServiceAccessControlRule: test11  
GlueServiceAccessControlRule: test12  
GlueServiceAccessControlRule: test13  
GlueServiceAccessControlRule: test14  
GlueServiceAccessControlRule: test15  
GlueServiceAccessControlRule: test16  
GlueServiceAccessControlRule: test17  
GlueServiceAccessControlRule: test18  
GlueServiceAccessControlRule: test19  
GlueServiceAccessControlRule: test20  
GlueServiceAccessControlRule: test21  
GlueServiceAccessControlRule: alice  
GlueServiceStartTime: 2011-06-09T12:16:47+02:00  
GlueServiceEndpoint: https://cream-35.pd.infn.it:8443/ce-monitor/services  
GlueServiceVersion: 1.13.2  
GlueSchemaVersionMinor: 3  
GlueServiceName: INFN-PADOVA-CREAMTEST-Monitor  
GlueServiceType: org.glite.ce.Monitor  
GlueServiceWSDL: http://grid.pd.infn.it/cemon/wsd/org.glite.ce-mon\_service.wsdl  
GlueServiceSemantics: https://edms.cern.ch/document/585040  
GlueForeignKey: GlueSiteUniqueID=INFN-PADOVA-CREAMTEST  
GlueServiceOwner: cms  
GlueServiceOwner: dteam  
GlueServiceOwner: infngrid  
GlueServiceOwner: creamtest  
GlueServiceOwner: test01  
GlueServiceOwner: test02  
GlueServiceOwner: test03  
GlueServiceOwner: test04  
GlueServiceOwner: test05  
GlueServiceOwner: test06  
GlueServiceOwner: test07  
GlueServiceOwner: test08  
GlueServiceOwner: test09  
GlueServiceOwner: test10  
GlueServiceOwner: test11  
GlueServiceOwner: test12  
GlueServiceOwner: test13  
GlueServiceOwner: test14  
GlueServiceOwner: test15

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```
GlueServiceOwner: test16
GlueServiceOwner: test17
GlueServiceOwner: test18
GlueServiceOwner: test19
GlueServiceOwner: test20
GlueServiceOwner: test21
GlueServiceOwner: alice
GlueSchemaVersionMajor: 1
```

```
...
...
```

### Check if the CEMon service is published in the CREAM CE resource BDII in Glue 2

Result: PASSED

```
$ ldapsearch -h cream-35.pd.infn.it -x -p 2170 -b "o=glue" "objectclass=Glue2Endpoint"
...
...
# cream-35.pd.infn.it_org.glite.ce.Monitor_3866950939_1, cream-35.pd.infn.it_org.glite.ce.Monitor
dn: GLUE2EndpointID=cream-35.pd.infn.it_org.glite.ce.Monitor_3866950939_1,GLUE2ServiceID=cream-35
GLUE2EntityValidity: 3600
GLUE2EndpointQualityLevel: production
GLUE2EntityOtherInfo: InfoProviderName=glite-info-service-glue2
GLUE2EntityOtherInfo: InfoProviderVersion=1.0
GLUE2EntityOtherInfo: InfoProviderHost=cream-35.pd.infn.it
GLUE2EndpointHealthState: ok
GLUE2EndpointServiceForeignKey: cream-35.pd.infn.it_org.glite.ce.Monitor_3866950939
GLUE2EntityName: INFN-PADOVA-CREAMTEST-Monitor
GLUE2EndpointTechnology: webservice
GLUE2EndpointWSDL: http://grid.pd.infn.it/ceмон/wsdл/org.glite.ce-mon_service.wsdl
GLUE2EndpointInterfaceName: org.glite.ce.Monitor
GLUE2EndpointURL: https://cream-35.pd.infn.it:8443/ce-monitor/services
GLUE2EndpointDowntimeInfo: See the GOC DB for downtimes: https://goc.gridops.org/
GLUE2EndpointSemantics: https://edms.cern.ch/document/585040
GLUE2EndpointIssuerCA: /C=IT/O=INFN/CN=INFN CA
GLUE2EndpointServingState: production
objectClass: GLUE2Entity
objectClass: GLUE2Endpoint
GLUE2EndpointInterfaceVersion: 1.13.2
GLUE2EndpointTrustedCA: IGTf
GLUE2EndpointID: cream-35.pd.infn.it_org.glite.ce.Monitor_3866950939_1
GLUE2EndpointHealthStateInfo: /etc/init.d/tomcat5 is already running (13445)
GLUE2EndpointStartTime: 2011-06-13T09:15:18+02:00
GLUE2EntityCreationTime: 2011-06-13T07:28:44Z
...
...
```

### Check if the getinfo operation works and returns information about the service:

Result: PASSED

```
$ glite-ce-monitor-getinfo --cert /tmp/x509up_u500 --key /tmp/x509up_u500 https://cream-35:8443/c
Description=[cemonitor service]
Version      =[1.0]
HostDN       =[/C=IT/O=INFN/OU=Host/L=Padova/CN=cream-35.pd.infn.it]
Topic [CREAM_JOBS]
  Dialect [CLASSAD]
    queryLanguage [ClassAd]
Action [SendExpiredNotification::]
Action [DoNotSendNotification::]
Action [SendNotification::]
```

**Check if the gettopics operation works and returns the list of installed topic**

Result: PASSED

```
$ glite-ce-monitor-gettopics --cert /tmp/x509up_u500 --key /tmp/x509up_u500 https://cream-35:8443

Topic [CREAM_JOBS]
  Dialect [CLASSAD]
  queryLanguage [ClassAd]
```

**Check if the getevent operation works and return info for the specified topic in the specified dialect**

Result: PASSED

```
$ glite-ce-monitor-getevent --topic CREAM_JOBS --dialect CLASSAD --cert /tmp/x509up_u500 --key /t
--cert=/tmp/x509up_u500 --key=/tmp/x509up_u500
Event [0]:
  Message [0]=[[
    CREAM_JOB_ID = "CREAM021327084";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "REGISTERED";
    TIMESTAMP = "1307949449000";
    WORKER_NODE = "prod-wn-001.pn.pd.infn.it"
  ]]
  Message [1]=[[
    CREAM_JOB_ID = "CREAM021327084";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "PENDING";
    TIMESTAMP = "1307949451000";
    WORKER_NODE = "prod-wn-001.pn.pd.infn.it"
  ]]
  Message [2]=[[
    CREAM_JOB_ID = "CREAM021327084";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "IDLE";
    TIMESTAMP = "1307949451000";
    WORKER_NODE = "prod-wn-001.pn.pd.infn.it"
  ]]
  Message [3]=[[
    CREAM_JOB_ID = "CREAM021327084";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "RUNNING";
    TIMESTAMP = "1307949459000";
    WORKER_NODE = "prod-wn-001.pn.pd.infn.it"
  ]]
  Message [4]=[[
    CREAM_JOB_ID = "CREAM021327084";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "REALLY-RUNNING";
    TIMESTAMP = "1307949459000";
    WORKER_NODE = "prod-wn-001.pn.pd.infn.it"
  ]]
  Message [5]=[[
    CREAM_JOB_ID = "CREAM021327084";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "DONE-OK";
    TIMESTAMP = "1307949464000";
    EXIT_CODE = 23;
    WORKER_NODE = "prod-wn-001.pn.pd.infn.it";
    FAILURE_REASON = "reason=0"
  ]]
```

## Check if subscriptions towards a authenticated consumer work

Result: PASSED

```
$ glite-ce-monitor-subscribe --consumer-url https://cream-50.pd.infn.it:9876 --topic CREAM_JOBS -
```

```
SubscriptionID=[uuid-1307949738349]
```

```
$ glite-ce-monitor-consumer --cert hostcert.pem --key hostkey.pem 9876
Socket connection successful on port 9876 master socket 3
Accepting connection ...
```

```
Mon Jun 13 09:22:18 2011
```

```
- 1: accepted connection from IP=0.0.0.0 (0.0.0.0)
```

```
Event Producer=CREAM Job Sensor
```

```
Event ID      =-1
```

```
Topic [CREAM_JOBS]
```

```
  Dialect [CLASSAD]
```

```
>>> Event #0 - Dumping messages:
```

```
Event #0 - Message #0
```

```
[
  CREAM_JOB_ID = "CREAM021327084";
  CREAM_URL    = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
  JOB_STATUS   = "REGISTERED";
  TIMESTAMP    = "1307949449000";
  WORKER_NODE  = "prod-wn-001.pn.pd.infn.it"
]
```

```
Event #0 - Message #1
```

```
[
  CREAM_JOB_ID = "CREAM021327084";
  CREAM_URL    = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
  JOB_STATUS   = "PENDING";
  TIMESTAMP    = "1307949451000";
  WORKER_NODE  = "prod-wn-001.pn.pd.infn.it"
]
```

```
Event #0 - Message #2
```

```
[
  CREAM_JOB_ID = "CREAM021327084";
  CREAM_URL    = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
  JOB_STATUS   = "IDLE";
  TIMESTAMP    = "1307949451000";
  WORKER_NODE  = "prod-wn-001.pn.pd.infn.it"
]
```

```
Event #0 - Message #3
```

```
[
  CREAM_JOB_ID = "CREAM021327084";
  CREAM_URL    = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
  JOB_STATUS   = "RUNNING";
  TIMESTAMP    = "1307949459000";
  WORKER_NODE  = "prod-wn-001.pn.pd.infn.it"
]
```

```
Event #0 - Message #4
```

```
[
  CREAM_JOB_ID = "CREAM021327084";
  CREAM_URL    = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
  JOB_STATUS   = "REALLY-RUNNING";
  TIMESTAMP    = "1307949459000";
  WORKER_NODE  = "prod-wn-001.pn.pd.infn.it"
]
```

```
...
```

...

## Check if subscriptions towards a not authenticated consumer work

Result: PASSED

```
$ glite-ce-monitor-subscribe --consumer-url http://cream-50.pd.infn.it:9900 --topic CREAM_JOBS --  
SubscriptionID=[uuid-1307949858566]
```

```
$ glite-ce-monitor-consumer 9900  
Socket connection successful on port 9900 master socket 3  
Accepting connection ...  
Mon Jun 13 09:24:38 2011  
- 1: accepted connection from IP=0.0.0.0 (0.0.0.0)  
Event Producer=CREAM Job Sensor  
Event ID      =-1  
Topic [CREAM_JOBS]  
  Dialect [CLASSAD]  
>>> Event #0 - Dumping messages:
```

Event #0 - Message #0

```
[  
  CREAM_JOB_ID = "CREAM021327084";  
  CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";  
  JOB_STATUS = "REGISTERED";  
  TIMESTAMP = "1307949449000";  
  WORKER_NODE = "prod-wn-001.pn.pd.infn.it"  
]
```

Event #0 - Message #1

```
[  
  CREAM_JOB_ID = "CREAM021327084";  
  CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";  
  JOB_STATUS = "PENDING";  
  TIMESTAMP = "1307949451000";  
  WORKER_NODE = "prod-wn-001.pn.pd.infn.it"  
]
```

Event #0 - Message #2

```
[  
  CREAM_JOB_ID = "CREAM021327084";  
  CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";  
  JOB_STATUS = "IDLE";  
  TIMESTAMP = "1307949451000";  
  WORKER_NODE = "prod-wn-001.pn.pd.infn.it"  
]
```

Event #0 - Message #3

```
[  
  CREAM_JOB_ID = "CREAM021327084";  
  CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";  
  JOB_STATUS = "RUNNING";  
  TIMESTAMP = "1307949459000";  
  WORKER_NODE = "prod-wn-001.pn.pd.infn.it"  
]
```

Event #0 - Message #4

```
[  
  CREAM_JOB_ID = "CREAM021327084";  
  CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";  
  JOB_STATUS = "REALLY-RUNNING";  
  TIMESTAMP = "1307949459000";  
  WORKER_NODE = "prod-wn-001.pn.pd.infn.it"  
]
```

Check if subscriptions towards a not authenticated consumer work

Event #0 - Message #5

```
[  
  CREAM_JOB_ID = "CREAM021327084";  
  CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";  
  JOB_STATUS = "DONE-OK";  
  TIMESTAMP = "1307949464000";  
  EXIT_CODE = 23;  
  WORKER_NODE = "prod-wn-001.pn.pd.infn.it";  
  FAILURE_REASON = "reason=0"  
]
```

...  
...

### Check if the unsubscribe operation works

Result: PASSED

```
$ glite-ce-monitor-unsubscribe --id uuid-1307949858566 https://cream-35:8443/ce-monitor/services/  
$
```

No more events received by that consumer

-- MassimoSgaravatto - 2011-06-13

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This topic: CEMon > Cemon1131TestingReport

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