

CEMon Testing for EMI-1 RC4

Clean installation

Yum installation

yum installation 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  
GlueServiceAccessControlBaseRule: VO:test17  
GlueServiceAccessControlBaseRule: VO:test18  
GlueServiceAccessControlBaseRule: VO:test19  
GlueServiceAccessControlBaseRule: VO:test20  
GlueServiceAccessControlBaseRule: VO:test21  
GlueServiceAccessControlBaseRule: VO:alice  
GlueServiceStatus: OK  
objectClass: GlueTop  
objectClass: GlueService  
objectClass: GlueKey  
objectClass: GlueSchemaVersion  
GlueServiceUniqueID: cream-35.pd.infn.it_org.glite.ce.Monitor_3866950939  
GlueServiceAccessControlRule: cms
```

TestingEMI1RC4 < CEMon < TWiki

```
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
GlueServiceEndpoint: https://cream-35.pd.infn.it:8443/ce-monitor/services
GlueServiceVersion: 1.13.1
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
GlueServiceOwner: test16
GlueServiceOwner: test17
GlueServiceOwner: test18
GlueServiceOwner: test19
GlueServiceOwner: test20
GlueServiceOwner: test21
GlueServiceOwner: alice
GlueSchemaVersionMajor: 1
GlueServiceStartTime: 2011-04-22T18:07:39+02:00
GlueServiceStatusInfo: /etc/init.d/tomcat5 is already running (31754)
...
...
```

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=cream35.
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/ce-mon/wsd1/org.glite.ce-mon_service.wsd1
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: 1.13.1
GLUE2EndpointTrustedCA: IGTf
GLUE2EndpointID: cream-35.pd.infn.it_org.glite.ce.Monitor_3866950939_1
GLUE2EndpointHealthStateInfo: /etc/init.d/tomcat5 is already running (31754)
GLUE2EndpointStartTime: 2011-04-22T18:07:39+02:00
GLUE2EntityCreationTime: 2011-04-22T17:36:24Z
...
...
```

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
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/c
  Dialect [CLASSAD]
    queryLanguage [ClassAd]
```

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

Result: PASSED

TestingEMI1RC4 < CEMon < TWiki

```
$ glite-ce-monitor-getevent --topic CREAM_JOBS --dialect CLASSAD --cert /tmp/x509up_u500 --key /tmp/x509up_u500 - key=/tmp/x509up_u500
Event [0]:
  Message[0]=[
    CREAM_JOB_ID = "CREAM134197226";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "REGISTERED";
    TIMESTAMP = "1303494756000";
    WORKER_NODE = "N/A"
  ]
  Message[1]=[
    CREAM_JOB_ID = "CREAM134197226";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "PENDING";
    TIMESTAMP = "1303494757000";
    WORKER_NODE = "N/A"
  ]
  Message[2]=[
    CREAM_JOB_ID = "CREAM134197226";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "IDLE";
    TIMESTAMP = "1303494757000";
    WORKER_NODE = "N/A"
  ]
  Message[3]=[
    CREAM_JOB_ID = "CREAM134197226";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "RUNNING";
    TIMESTAMP = "1303494764000";
    WORKER_NODE = "N/A"
  ]
Event [1]:
  Message[0]=[
    CREAM_JOB_ID = "CREAM377016839";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "REGISTERED";
    TIMESTAMP = "1303494752000";
    WORKER_NODE = "prod-wn-004.pn.pd.infn.it"
  ]
  Message[1]=[
    CREAM_JOB_ID = "CREAM377016839";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "PENDING";
    TIMESTAMP = "1303494753000";
    WORKER_NODE = "prod-wn-004.pn.pd.infn.it"
  ]
  Message[2]=[
    CREAM_JOB_ID = "CREAM377016839";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "IDLE";
    TIMESTAMP = "1303494753000";
    WORKER_NODE = "prod-wn-004.pn.pd.infn.it"
  ]
  Message[3]=[
    CREAM_JOB_ID = "CREAM377016839";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "RUNNING";
    TIMESTAMP = "1303494758000";
    WORKER_NODE = "prod-wn-004.pn.pd.infn.it"
  ]
  Message[4]=[
    CREAM_JOB_ID = "CREAM377016839";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "REALLY-RUNNING";
    TIMESTAMP = "1303494758000";
    WORKER_NODE = "prod-wn-004.pn.pd.infn.it"
  ]
]
```

Check if the getevent operation works and return info for the specified topic in the specifieddialect 4

TestingEMI1RC4 < CEMon < TWiki

```
Message[5]=[[
  CREAM_JOB_ID = "CREAM377016839";
  CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
  JOB_STATUS = "DONE-OK";
  TIMESTAMP = "1303494762000";
  EXIT_CODE = 23;
  WORKER_NODE = "prod-wn-004.pn.pd.infn.it";
  FAILURE_REASON = "reason=0"
]]
Event [2]:
  Message[0]=[[
    CREAM_JOB_ID = "CREAM944755286";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "REGISTERED";
    TIMESTAMP = "1303494746000";
    WORKER_NODE = "cream-wn-002.pn.pd.infn.it"
  ]]
  Message[1]=[[
    CREAM_JOB_ID = "CREAM944755286";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "PENDING";
    TIMESTAMP = "1303494747000";
    WORKER_NODE = "cream-wn-002.pn.pd.infn.it"
  ]]
  Message[2]=[[
    CREAM_JOB_ID = "CREAM944755286";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "IDLE";
    TIMESTAMP = "1303494747000";
    WORKER_NODE = "cream-wn-002.pn.pd.infn.it"
  ]]
  Message[3]=[[
    CREAM_JOB_ID = "CREAM944755286";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "RUNNING";
    TIMESTAMP = "1303494755000";
    WORKER_NODE = "cream-wn-002.pn.pd.infn.it"
  ]]
  Message[4]=[[
    CREAM_JOB_ID = "CREAM944755286";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "REALLY-RUNNING";
    TIMESTAMP = "1303494755000";
    WORKER_NODE = "cream-wn-002.pn.pd.infn.it"
  ]]
  Message[5]=[[
    CREAM_JOB_ID = "CREAM944755286";
    CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
    JOB_STATUS = "DONE-OK";
    TIMESTAMP = "1303494759000";
    EXIT_CODE = 23;
    WORKER_NODE = "cream-wn-002.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-47.pd.infn.it:9876 --topic CREAM_JOBS --
SubscriptionID=[uuid-1303494890941]
```

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

Check if subscriptions towards a authenticated consumer work:

TestingEMI1RC4 < CEMon < TWiki

```
Fri Apr 22 19:55:33 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 = "CREAM134197226";
  CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
  JOB_STATUS = "REGISTERED";
  TIMESTAMP = "1303494756000";
  WORKER_NODE = "prod-wn-002.pn.pd.infn.it"
]

Event #0 - Message #1
[
  CREAM_JOB_ID = "CREAM134197226";
  CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
  JOB_STATUS = "PENDING";
  TIMESTAMP = "1303494757000";
  WORKER_NODE = "prod-wn-002.pn.pd.infn.it"
]

Event #0 - Message #2
[
  CREAM_JOB_ID = "CREAM134197226";
  CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
  JOB_STATUS = "IDLE";
  TIMESTAMP = "1303494757000";
  WORKER_NODE = "prod-wn-002.pn.pd.infn.it"
]

Event #0 - Message #3
[
  CREAM_JOB_ID = "CREAM134197226";
  CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
  JOB_STATUS = "RUNNING";
  TIMESTAMP = "1303494764000";
  WORKER_NODE = "prod-wn-002.pn.pd.infn.it"
]
...
...
```

Check if subscriptions towards a not authenticated consumer work

Result: PASSED

```
$ glite-ce-monitor-subscribe --consumer-url http://cream-47.pd.infn.it:9900 --topic CREAM_JOBS --
SubscriptionID=[uuid-1303495070736]
```

```
$ glite-ce-monitor-consumer 9900
Socket connection successful on port 9900 master socket 3
Accepting connection ...
Fri Apr 22 19:58:10 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
[
```

Check if subscriptions towards a not authenticated consumer work

TestingEMI1RC4 < CEMon < TWiki

```
CREAM_JOB_ID = "CREAM713861876";
CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
JOB_STATUS = "REGISTERED";
TIMESTAMP = "1303494931000";
WORKER_NODE = "prod-wn-002.pn.pd.infn.it"
]

Event #0 - Message #1
[
  CREAM_JOB_ID = "CREAM713861876";
  CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
  JOB_STATUS = "PENDING";
  TIMESTAMP = "1303494933000";
  WORKER_NODE = "prod-wn-002.pn.pd.infn.it"
]

Event #0 - Message #2
[
  CREAM_JOB_ID = "CREAM713861876";
  CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
  JOB_STATUS = "IDLE";
  TIMESTAMP = "1303494933000";
  WORKER_NODE = "prod-wn-002.pn.pd.infn.it"
]

Event #0 - Message #3
[
  CREAM_JOB_ID = "CREAM713861876";
  CREAM_URL = "https://cream-35.pd.infn.it:8443/ce-cream/services/CREAM2";
  JOB_STATUS = "RUNNING";
  TIMESTAMP = "1303494938000";
  WORKER_NODE = "prod-wn-002.pn.pd.infn.it"
]

...
...
```

Check if the unsubscribe operation works

Result: PASSED

```
$ glite-ce-monitor-unsubscribe --id uuid-1303495070736 https://cream-35:8443/ce-monitor/services/
$
```

No more events received by that consumer

-- MassimoSgaravatto - 2011-04-22

This topic: CEMon > TestingEMI1RC4

Topic revision: r2 - 2011-04-22 - MassimoSgaravatto



Copyright © 2008-2022 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

Ideas, requests, problems regarding TWiki? Send feedback