

# Table of Contents

<b>Testing Report for CEMonitor 1.13-4 (Savannah task #40088)</b> .....	<b>1</b>
Deployment tests.....	1
Update.....	1
Yum update.....	1
YAIM configuration.....	2
System tests.....	2
Basic functionality tests using Argus.....	2
List of topics.....	2
Subscription to topics.....	2
Subscription cancel.....	2
Event test.....	2
Basic functionality tests using gJAF.....	4
List of topics.....	4
Subscription to topics.....	5
Subscription cancel.....	5
Event test.....	5

# Testing Report for CEMonitor 1.13-4 (Savannah task #40088 )

## Deployment tests

### Update

#### Yum update

```
wget -O /etc/yum.repos.d/emil-new-release.repo http://etics-repository.cern.ch/repository/pm/regist
--2013-02-27 09:56:22-- http://etics-repository.cern.ch/repository/pm/registered/repomd/id/6ec1c
Resolving etics-repository.cern.ch... 128.142.170.202
Connecting to etics-repository.cern.ch|128.142.170.202|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 898
Saving to: `/etc/yum.repos.d/emil-new-release.repo'
```

```
100%[=====
```

```
2013-02-27 09:56:22 (53.5 MB/s) - `/etc/yum.repos.d/emil-new-release.repo' saved [898/898]
```

```
yum update glite-ce-monitor
Loaded plugins: kernel-module, priorities, protectbase
Repository sl-base is listed more than once in the configuration
Repository sl-security is listed more than once in the configuration
Repository sl-fastbugs is listed more than once in the configuration
Repository sl-contrib is listed more than once in the configuration
423 packages excluded due to repository priority protections
5 packages excluded due to repository protections
Setting up Update Process
Resolving Dependencies
--> Running transaction check
---> Package glite-ce-monitor.noarch 0:1.13.4-1.s15 set to be updated
--> Finished Dependency Resolution
Beginning Kernel Module Plugin
Finished Kernel Module Plugin
```

Dependencies Resolved

```
=====
Package                                Arch                                Version                                Repository
=====
```

```
Updating:
 glite-ce-monitor                       noarch                              1.13.4-1.s15                            ETICS-registered
```

Transaction Summary

```
=====
Install      0 Package(s)
Upgrade     1 Package(s)
```

```
Total download size: 5.1 M
Is this ok [y/N]: y
Downloading Packages:
glite-ce-monitor-1.13.4-1.s15.noarch.rpm
Running rpm_check_debug
Running Transaction Test
Finished Transaction Test
Transaction Test Succeeded
Running Transaction
  Updating      : glite-ce-monitor
  Cleanup      : glite-ce-monitor
```

Updated:

glite-ce-monitor.noarch 0:1.13.4-1.s15

Complete!

## YAIM configuration

The log from the YAIM configuration is available [here](#)

## System tests

### Basic functionality tests using Argus

#### List of topics

```
glite-ce-monitor-gettopics --cert /tmp/x509up_u505 --key /tmp/x509up_u505 cream-36.pd.infn.it:8443
```

```
Topic [CE_MONITOR]
  Dialect [ISM_CLASSAD_GLUE_1.2]
    queryLanguage [RegEx]
    queryLanguage [ClassAd]
  Dialect [ISM_CLASSAD]
    queryLanguage [RegEx]
    queryLanguage [ClassAd]
  Dialect [ISM_LDIF_GLUE_1.2]
    queryLanguage [RegEx]
    queryLanguage [ClassAd]
  Dialect [ISM_LDIF]
    queryLanguage [RegEx]
    queryLanguage [ClassAd]
```

#### Subscription to topics

```
glite-ce-monitor-subscribe --cert /tmp/x509up_u505 --key /tmp/x509up_u505 --topic CE_MONITOR --co
SubscriptionID=[uuid-1361958873076]
```

#### Subscription cancel

```
glite-ce-monitor-unsubscribe --cert /tmp/x509up_u505 --key /tmp/x509up_u505 --id uuid-13619588730
```

#### Event test

```
glite-ce-monitor-getevent --cert /tmp/x509up_u505 --key /tmp/x509up_u505 --topic CE_MONITOR cream
cert=/tmp/x509up_u505 - key=/tmp/x509up_u505
```

```
Event[0]:
  Message[0]=[
    GlueCEInfoApplicationDir = "/opt/exp_soft";
    GlueCEName = "creamtest1";
    GlueCEHostingCluster = "cream-36.pd.infn.it";
    GlueCEPolicyPriority = -100;
    GlueCEStateFreeJobSlots = 216;
    GlueCEStateEstimatedResponseTime = 0;
    GlueCEInfoDefaultSE = "prod-se-01.pd.infn.it";
    GlueCEStateStatus = "Testing";
    GlueCEInfoContactString = "https://cream-36.pd.infn.it:8443/ce-cream/services";
    GlueCEStateTotalJobs = 1;
    GlueInformationServiceURL = "ldap://cream-36.pd.infn.it:2170/mds-vo-name=resourc";
    GlueCEAccessControlBaseRule = {
      "VO:dteam",
      "VO:testers.eu-emi.eu",
      "VO:infngrid"
    };
  ];
```

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```
GlueCEStateWaitingJobs = 0;
GlueCEPolicyMaxRunningJobs = 216;
GlueCEInfoGatekeeperPort = 8443;
GlueCEPolicyPreemption = 0;
GlueCEPolicyMaxTotalJobs = 999999999;
GlueCEInfoLRMSVersion = "7 Update 6";
GlueCEInfoTotalCPUs = 216;
GlueCEInfoLRMSType = "lsf";
GlueCEStateFreeCPUs = 24;
GlueCEPolicyMaxSlotsPerJob = 999999999;
GlueCEStateWorstResponseTime = 0;
GlueCEPolicyMaxWallClockTime = 999999999;
GlueCEImplementationName = "CREAM";
GlueCEPolicyMaxWaitingJobs = 999999999;
GlueCECapability = "SNMPsupport=yes";
GlueCEImplementationVersion = "1.13.6";
GlueForeignKey = {
    "GlueClusterUniqueID=clusterid001"
};
GlueCEInfoJobManager = "lsf";
GlueCEPolicyMaxObtainableCPUTime = 999999999;
GlueCEUniqueID = "cream-36.pd.infn.it:8443/cream-lsf-creamtest1";
GlueCEPolicyAssignedJobSlots = 216;
GlueCEInfoDataDir = "unset";
GlueCEPolicyMaxCPUTime = 999999999;
GlueCEStateRunningJobs = 1;
GlueCEPolicyMaxObtainableWallClockTime = 999999999;
]]
Message[1]=[[
GlueCEInfoApplicationDir = "/opt/exp_soft";
GlueCEName = "creamtest2";
GlueCEHostingCluster = "cream-36.pd.infn.it";
GlueCEPolicyPriority = -100;
GlueCEStateFreeJobSlots = 216;
GlueCEStateEstimatedResponseTime = 0;
GlueCEInfoDefaultSE = "prod-se-01.pd.infn.it";
GlueCEStateStatus = "Testing";
GlueCEInfoContactString = "https://cream-36.pd.infn.it:8443/ce-cream/services";
GlueCEStateTotalJobs = 0;
GlueInformationServiceURL = "ldap://cream-36.pd.infn.it:2170/mds-vo-name=resourc";
GlueCEAccessControlBaseRule = {
    "VO:dteam",
    "VO:testers.eu-emi.eu",
    "VO:infngrid"
};
GlueCEStateWaitingJobs = 0;
GlueCEPolicyMaxRunningJobs = 216;
GlueCEInfoGatekeeperPort = 8443;
GlueCEPolicyPreemption = 0;
GlueCEPolicyMaxTotalJobs = 999999999;
GlueCEInfoLRMSVersion = "7 Update 6";
GlueCEInfoTotalCPUs = 216;
GlueCEInfoLRMSType = "lsf";
GlueCEStateFreeCPUs = 24;
GlueCEPolicyMaxSlotsPerJob = 999999999;
GlueCEStateWorstResponseTime = 0;
GlueCEPolicyMaxWallClockTime = 999999999;
GlueCEImplementationName = "CREAM";
GlueCEPolicyMaxWaitingJobs = 999999999;
GlueCECapability = "SNMPsupport=yes";
GlueCEImplementationVersion = "1.13.6";
GlueForeignKey = {
    "GlueClusterUniqueID=clusterid001"
};
GlueCEInfoJobManager = "lsf";
GlueCEPolicyMaxObtainableCPUTime = 999999999;
GlueCEUniqueID = "cream-36.pd.infn.it:8443/cream-lsf-creamtest2";
```

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```
GlueCEPolicyAssignedJobSlots = 216;
GlueCEInfoDataDir = "unset";
GlueCEPolicyMaxCPUTime = 999999999;
GlueCEStateRunningJobs = 0;
GlueCEPolicyMaxObtainableWallClockTime = 999999999;
]]
Message[2]=[
GlueCEInfoApplicationDir = "/opt/exp_soft";
GlueCEName = "cert";
GlueCEHostingCluster = "cream-36.pd.infn.it";
GlueCEPolicyPriority = -100;
GlueCEStateFreeJobSlots = 216;
GlueCEStateEstimatedResponseTime = 0;
GlueCEInfoDefaultSE = "prod-se-01.pd.infn.it";
# numResponses = 4;
GlueCEStateStatus = "Testing";
GlueCEInfoContactString = "https://cream-36.pd.infn.it:8443/ce-cream/services";
GlueCEStateTotalJobs = 0;
GlueInformationServiceURL = "ldap://cream-36.pd.infn.it:2170/mds-vo-name=resourc";
GlueCEAccessControlBaseRule = {
    "VO:dteam",
    "VO:testers.eu-emi.eu",
    "VO:infngrid"
};
GlueCEStateWaitingJobs = 0;
GlueCEPolicyMaxRunningJobs = 216;
result = "0 Success";
GlueCEInfoGatekeeperPort = 8443;
GlueCEPolicyPreemption = 0;
GlueCEPolicyMaxTotalJobs = 999999999;
GlueCEInfoLRMSVersion = "7 Update 6";
GlueCEInfoTotalCPUs = 216;
GlueCEInfoLRMSType = "lsf";
GlueCEStateFreeCPUs = 24;
GlueCEPolicyMaxSlotsPerJob = 999999999;
GlueCEStateWorstResponseTime = 0;
GlueCEPolicyMaxWallClockTime = 999999999;
GlueCEImplementationName = "CREAM";
# numEntries = 3;
GlueCEPolicyMaxWaitingJobs = 999999999;
GlueCECapability = "SNMPsupport=yes";
GlueCEImplementationVersion = "1.13.6";
GlueForeignKey = {
    "GlueClusterUniqueID=clusterid001"
};
GlueCEInfoJobManager = "lsf";
search = 2;
GlueCEPolicyMaxObtainableCPUTime = 999999999;
GlueCEUniqueID = "cream-36.pd.infn.it:8443/cream-lsf-cert";
GlueCEPolicyAssignedJobSlots = 216;
GlueCEInfoDataDir = "unset";
GlueCEPolicyMaxCPUTime = 999999999;
GlueCEStateRunningJobs = 0;
GlueCEPolicyMaxObtainableWallClockTime = 999999999;
]]
```

## Basic functionality tests using gJAF

### List of topics

```
glite-ce-monitor-gettopics --cert /tmp/x509up_u505 --key /tmp/x509up_u505 cream-36.pd.infn.it:8443
Dialect [ISM_CLASSAD_GLUE_1.2]
  queryLanguage [Regex]
  queryLanguage [ClassAd]
Dialect [ISM_CLASSAD]
```

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```
queryLanguage [RegEx]
queryLanguage [ClassAd]
Dialect [ISM_LDIF_GLUE_1.2]
queryLanguage [RegEx]
queryLanguage [ClassAd]
Dialect [ISM_LDIF]
queryLanguage [RegEx]
queryLanguage [ClassAd]
```

### Subscription to topics

```
glite-ce-monitor-subscribe --cert /tmp/x509up_u505 --key /tmp/x509up_u505 --topic CE_MONITOR --co
SubscriptionID=[uuid-1361960317503]
```

### Subscription cancel

```
glite-ce-monitor-unsubscribe --cert /tmp/x509up_u505 --key /tmp/x509up_u505 --id uuid-13619603175
```

### Event test

```
glite-ce-monitor-getevent --cert /tmp/x509up_u505 --key /tmp/x509up_u505 --topic CE_MONITOR cream
cert=/tmp/x509up_u505 - key=/tmp/x509up_u505
```

Event[0]:

```
Message[0]=[
  GlueCEInfoApplicationDir = "/opt/exp_soft";
  GlueCEName = "cert";
  GlueCEHostingCluster = "cream-36.pd.infn.it";
  GlueCEPolicyPriority = -100;
  GlueCEStateFreeJobSlots = 216;
  GlueCEStateEstimatedResponseTime = 0;
  GlueCEInfoDefaultSE = "prod-se-01.pd.infn.it";
  GlueCEStateStatus = "Testing";
  GlueCEInfoContactString = "https://cream-36.pd.infn.it:8443/ce-cream/services";
  GlueCEStateTotalJobs = 0;
  GlueInformationServiceURL = "ldap://cream-36.pd.infn.it:2170/mds-vo-name=resourc";
  GlueCEAccessControlBaseRule = {
    "VO:dteam",
    "VO:testers.eu-emi.eu",
    "VO:infngrid"
  };
  GlueCEStateWaitingJobs = 0;
  GlueCEPolicyMaxRunningJobs = 216;
  GlueCEInfoGatekeeperPort = 8443;
  GlueCEPolicyPreemption = 0;
  GlueCEPolicyMaxTotalJobs = 999999999;
  GlueCEInfoLRMSVersion = "7 Update 6";
  GlueCEInfoTotalCPUs = 216;
  GlueCEInfoLRMSType = "lsf";
  GlueCEStateFreeCPUs = 24;
  GlueCEPolicyMaxSlotsPerJob = 999999999;
  GlueCEStateWorstResponseTime = 0;
  GlueCEPolicyMaxWallClockTime = 999999999;
  GlueCEImplementationName = "CREAM";
  GlueCEPolicyMaxWaitingJobs = 999999999;
  GlueCECapability = "SNMPsupport=yes";
  GlueCEImplementationVersion = "1.13.6";
  GlueForeignKey = {
    "GlueClusterUniqueID=clusterid001"
  };
  GlueCEInfoJobManager = "lsf";
  GlueCEPolicyMaxObtainableCPUtime = 999999999;
  GlueCEUniqueID = "cream-36.pd.infn.it:8443/cream-lsf-cert";
  GlueCEPolicyAssignedJobSlots = 216;
  GlueCEInfoDataDir = "unset";
  GlueCEPolicyMaxCPUtime = 999999999;
```

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```
GlueCEStateRunningJobs = 0;
GlueCEPolicyMaxObtainableWallClockTime = 999999999;
]]
Message[1]=[[
GlueCEInfoApplicationDir = "/opt/exp_soft";
GlueCEName = "creamtest1";
GlueCEHostingCluster = "cream-36.pd.infn.it";
GlueCEPolicyPriority = -100;
GlueCEStateFreeJobSlots = 216;
GlueCEStateEstimatedResponseTime = 0;
GlueCEInfoDefaultSE = "prod-se-01.pd.infn.it";
GlueCEStateStatus = "Testing";
GlueCEInfoContactString = "https://cream-36.pd.infn.it:8443/ce-cream/services";
GlueCEStateTotalJobs = 1;
GlueInformationServiceURL = "ldap://cream-36.pd.infn.it:2170/mds-vo-name=resourc";
GlueCEAccessControlBaseRule = {
    "VO:dteam",
    "VO:testers.eu-emi.eu",
    "VO:infngrid"
};
GlueCEStateWaitingJobs = 0;
GlueCEPolicyMaxRunningJobs = 216;
GlueCEInfoGatekeeperPort = 8443;
GlueCEPolicyPreemption = 0;
GlueCEPolicyMaxTotalJobs = 999999999;
GlueCEInfoLRMSVersion = "7 Update 6";
GlueCEInfoTotalCPUs = 216;
GlueCEInfoLRMSType = "lsf";
GlueCEStateFreeCPUs = 24;
GlueCEPolicyMaxSlotsPerJob = 999999999;
GlueCEStateWorstResponseTime = 0;
GlueCEPolicyMaxWallClockTime = 999999999;
GlueCEImplementationName = "CREAM";
GlueCEPolicyMaxWaitingJobs = 999999999;
GlueCECapability = "SNMPsupport=yes";
GlueCEImplementationVersion = "1.13.6";
GlueForeignKey = {
    "GlueClusterUniqueID=clusterid001"
};
GlueCEInfoJobManager = "lsf";
GlueCEPolicyMaxObtainableCPUTime = 999999999;
GlueCEUniqueID = "cream-36.pd.infn.it:8443/cream-lsf-creamtest1";
GlueCEPolicyAssignedJobSlots = 216;
GlueCEInfoDataDir = "unset";
GlueCEPolicyMaxCPUTime = 999999999;
GlueCEStateRunningJobs = 1;
GlueCEPolicyMaxObtainableWallClockTime = 999999999;
]]
Message[2]=[[
GlueCEInfoApplicationDir = "/opt/exp_soft";
GlueCEName = "creamtest2";
GlueCEHostingCluster = "cream-36.pd.infn.it";
GlueCEPolicyPriority = -100;
GlueCEStateFreeJobSlots = 216;
GlueCEStateEstimatedResponseTime = 0;
GlueCEInfoDefaultSE = "prod-se-01.pd.infn.it";
# numResponses = 4;
GlueCEStateStatus = "Testing";
GlueCEInfoContactString = "https://cream-36.pd.infn.it:8443/ce-cream/services";
GlueCEStateTotalJobs = 0;
GlueInformationServiceURL = "ldap://cream-36.pd.infn.it:2170/mds-vo-name=resourc";
GlueCEAccessControlBaseRule = {
    "VO:dteam",
    "VO:testers.eu-emi.eu",
    "VO:infngrid"
};
GlueCEStateWaitingJobs = 0;
```

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```
GlueCEPolicyMaxRunningJobs = 216;
result = "0 Success";
GlueCEInfoGatekeeperPort = 8443;
GlueCEPolicyPreemption = 0;
GlueCEPolicyMaxTotalJobs = 999999999;
GlueCEInfoLRMSVersion = "7 Update 6";
GlueCEInfoTotalCPUs = 216;
GlueCEInfoLRMSType = "lsf";
GlueCEStateFreeCPUs = 24;
GlueCEPolicyMaxSlotsPerJob = 999999999;
GlueCEStateWorstResponseTime = 0;
GlueCEPolicyMaxWallClockTime = 999999999;
GlueCEImplementationName = "CREAM";
# numEntries = 3;
GlueCEPolicyMaxWaitingJobs = 999999999;
GlueCECapability = "SNMPSupport=yes";
GlueCEImplementationVersion = "1.13.6";
GlueForeignKey = {
    "GlueClusterUniqueID=clusterid001"
};
GlueCEInfoJobManager = "lsf";
search = 2;
GlueCEPolicyMaxObtainableCPUTime = 999999999;
GlueCEUniqueID = "cream-36.pd.infn.it:8443/cream-lsf-creamtest2";
GlueCEPolicyAssignedJobSlots = 216;
GlueCEInfoDataDir = "unset";
GlueCEPolicyMaxCPUTime = 999999999;
GlueCEStateRunningJobs = 0;
GlueCEPolicyMaxObtainableWallClockTime = 999999999;
]]
```

-- PaoloAndretto - 2013-02-27

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