

Argus-EES

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What is the Argus-EES?

Where is the Argus-EES?

Configuration

EES

Argus: EES-PEPd-OH

Embedding obligations

Future

What is the Argus EES



- Execution Environment Service:
procures execution environment for grid jobs

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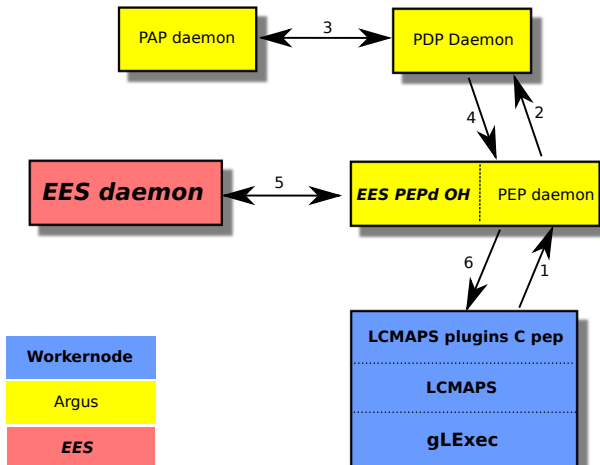
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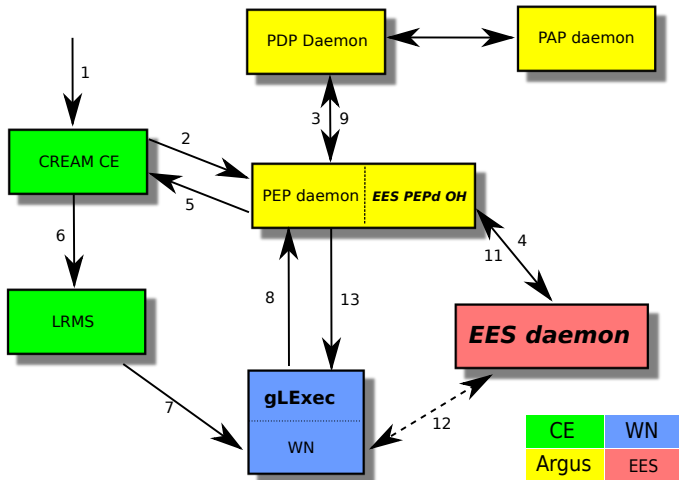
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- Actual work done by its plugins
- Policy language, same as used by LCMAPS

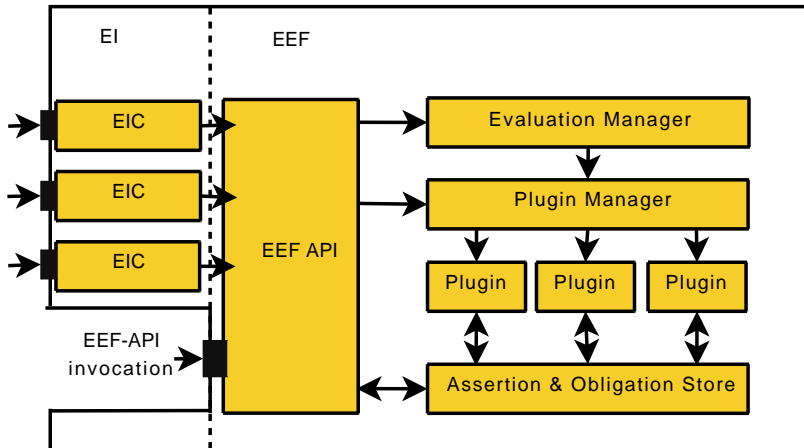
Argus and the EES



Alternative: including CREAM



EES



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/etc/init.d/ees start
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- **EES PEPd obligation handler:**

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ln -s /usr/share/java/ees-pepd-oh.jar /var/lib/argus/pepd/lib/  
<configure pepd.ini and PAP policy>  
/etc/init.d/argus-pepd restart
```

EES: /etc/ees.conf

```
# modules_path
path = /usr/lib64/ees

# EES port number (...rfc)
port = 6217

# custom log file: comment out for syslog
log = /var/log/ees/ees.log

# module variables
transformer          = "ees_plugin_transformer.mod"

good                 = "ees_dummy_good.mod"

transformer:
    transformer -> good
```

EES PEPd-OH configuration



PEPd: /etc/argus/pepd/pepd.ini

[SERVICE]

obligationHandlers = EES_OH ACCOUNTMAPPER_OH

[EES_OH]

parserClass = org.glite.authz.pep.obligation.eesmap.

EESobligationHandlerConfigurationParser

entityId = http://argus.testbed/pepd/ees

handledObligationId = http://example.org/xacml/obligation/run-ees

eesEndpoint = http://ees.testbed:6217/

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PAP: policy

```
resource "wn" {
    obligation "http://glite.org/xacml/obligation/local-environment-map" {}
    obligation "http://example.org/xacml/obligation/run-ees" {}
    action ".*" {
        rule permit {
            fqan = "/dteam"
        }
    }
}
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Transformers:

- EES-PEPd-OH obligation handler embeds
- EES-plugin-transformer extracts

1a. Environment **attributeld**

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b. **attributeValue** e.g.:

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2a. Optional attributes for the obligations:

extra Environment **attributeld**:

`<url-enc. value 1b.> + ?attrId= + <url-enc. obligation attributeld>`

b. **attributeValue**:

original obligation attribute value, e.g. `pvier`

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What next



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- Improve configurability

- **Wiki**
<http://wiki.nikhef.nl/grid/EES>
- **Design document with API**
<https://edms.cern.ch/document/1018216/1>