

TWiki > EMI Web > EmiProjectStructure > JRA1 > EmiJra1 > EmiJra1T4Security > EmiJra1T4XACML
(23-Nov-2010, ValeryTschopp)

Common XACML Authorization Profiles

The goal is to define a common XACML authorization profile for Computing Element (CREAM CE, ARC CE, UNICORE CE) and to integrate these components with the Argus Authorization Service.

The Argus Authorization Service was primary designed to ban users (Deny decision), secondary to allow users to perform action on a resource (Permit decisions).

It is **not** intended to replace the internal inter-components decision engine (internal component A is allowed to interact with component B), but to render authorization decisions about **users**, like:

Ban user X to perform any action on any resource!

Can user X perform action Y on resource Z?

In order to achieve such authorization decisions, it is required to define XACML attributes to:

1. **Identify the user X** using XAML Subject attribute(s)
2. **Identify the resource Y** using XAML Resource attribute
3. **Identify the action Z** using XAML Action attribute

Profile Drafts

[Common CE XACML Authorization Profile v.0](#)

High Level Workplan

1. Define the XACML attributes and values required by each stack (glite, ARC, UNICORE)
2. Identify the common set of attributes and values
3. Identify the policies ruling these attributes
4. Implement the profile(s) and policies

Useful Specifications

- XACML 2.0 Specifications [eXtensible Access Control Markup Language \(XACML\) Version 2.0](#)
- XACML Profile for the gLite WN [XACML Grid Worker Node Authorization Profile \(v. 1.0\)](#)
- XACML Profile for the gLite CE [XACML Grid Computing Element Authorization Profile \(Draft\)](#)

Additional Information

- [EMI Common SAML Attributes Profile](#)
- [ARC Attributes](#)

Topic revision: r9 - 23-Nov-2010 - 17:00:07 - [ValeryTschopp](#)

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

Ideas, requests, problems regarding TWiki? [Send feedback](#)

