
GT 4.2.1 CAS Release Notes

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<titleabbrev>Release Notes</titleabbrev>

1. Component Overview

The Community Authorization Service (CAS) allows a virtual organization to express policy regarding resources distributed across a number of sites. A CAS server issues assertions to the virtual organization users, granting them fine-grained access rights to resources. Servers recognize and enforce the assertions. CAS is designed to be extensible to multiple services and is currently supported by the GridFTP server and web services.

2. Feature summary

Features new in GT 4.2.1:

- Support for OGSA-AuthZ Authorization Service interface
- Support for managing web services policy.

Other Supported Features

- File-level access control for GridFTP
- Issuance of SAML authorization decisions

Deprecated Features

- None

3. Summary of Changes in CAS

No changes have been made since last stable release, 4.0.x.

4. Internationalization

The CAS service code has been internationalized.

5. Bug Fixes

- [Bug 6249](#):¹ Upgrade Derby version

6. Known Problems

The following problems and limitations are known to exist for CAS at the time of the 4.2.1 release:

6.1. Limitations

No known limitations

6.2. Outstanding bugs

- [CAS does not work with some versions of MySQL](#)².
- [schema-invalid CAS assertion](#)³
- [Error in using CAS service for web-service policy management](#)⁴
- [Callout contacting CAS service is not using proper credential to secure calls](#).⁵

7. Technology dependencies

The CAS service depends on the following GT components:

- WS Authentication and Authorization
- Java WS Core

The CAS GridFTP authorization module depends on the following GT components:

- Non-WS Authentication and Authorization

The CAS service depends on the following 3rd party software:

- OpenSAML

The CAS GridFTP authorization module depends on the following 3rd party software:

- libxml

¹ http://bugzilla.globus.org/bugzilla/show_bug.cgi?id=6249

² http://bugzilla.globus.org/globus/show_bug.cgi?id=1636

³ http://bugzilla.globus.org/globus/show_bug.cgi?id=5940

⁴ http://bugzilla.globus.org/globus/show_bug.cgi?id=6311

⁵ http://bugzilla.globus.org/globus/show_bug.cgi?id=6312

8. Tested platforms

Tested Platforms for CAS

- Windows XP
- Linux (Red Hat 7.3)

Tested Containers for CAS

- Java WS Core container
- Tomcat 5.0.30

9. Backward compatibility summary

CAS has been updated to use the latest version of Java WS Core, which now supports the final version of WSRF/WSN specification.⁶ This service is not compatible with the previous stable versions, GT 4.0.x

Fixed SAML assertions embedded in proxy to comply with RFC 3820 requirements. CAS assertions generated by default in GT 4.0.x will not be consumed by GT 4.2.x services that use assertions.

10. Associated Standards

Associated standards for CAS:

- Simple Assertion Markup Language⁷
- OGSA AuthZ Authorization Service⁸

11. For More Information

Click [here](#) for more information about this component.

⁶ <http://www.globus.org/toolkit/docs/4.2/4.2.1/common/javawscore/rn/index.html#id2534919>

⁷ http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=security

⁸ <https://forge.gridforum.org/projects/ogsa-authz/>