GT 5.2.2 Release Notes: SimpleCA

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1. Component Overview

SimpleCA provides a simple implementation of a certification authority which can issue X.509 certificates to Globus Toolkit users and services.

2. Feature Summary

Features new in GT 5.2

• Remove dependency on GPT to generate and use SimpleCA
• Support for generating native RPM and Debian packages for SimpleCA files.

Other Supported Features

• Easy creation of X.509 certificates for use with the Globus Toolkit
• Easy creation of GPT packages for the created SimpleCA

Deprecated Features

• GPT package distribution of CA data

3. Summary of Changes in SimpleCA

The Globus Toolkit 5.2.2 version of SimpleCA significantly changes the procedure for creating and distributing CA packages. In particular, the GPT setup package method of creating a package is removed. In its place are the grid-ca-create and grid-ca-package tools.

This version also provides native RPM and Debian packages for a range of Linux systems, as well as support for creating native packages from CA configuration files to make it easier to manage a distribution of CAs.

4. Bug Fixes

• RIC-150: New SimpleCA does not conform to FHS

1 http://jira.globus.org/browse/RIC-150
5. Known Problems

The following problems and limitations are known to exist for SimpleCA at the time of the 5.2.2 release:

5.1. Limitations

• Revocation, CRL management, and CA renewal must be done manually with OpenSSL.

5.2. Known Bugs

None.

6. Technology Dependencies

SimpleCA depends on the following GT components:

• Non-WS Authentication and Authorization

SimpleCA depends on the following 3rd party software:

• OpenSSL

7. Tested Platforms

No content is available at this time.

8. Backward Compatibility Summary

Protocol changes for SimpleCA since GT 5.2.1

• Not applicable

API changes since GT 5.2.1

• Not applicable

Exception changes since GT 5.2.1

• Not applicable

Schema changes since GT 5.2.1

• Not applicable

9. Associated Standards

Globus SimpleCA generates X.509v3 certificates

10. For More Information

See Installing SimpleCA for more information about this component.