GT 5.2.4 Migrating Guide for GRAM5
GT 5.2.4 Migrating Guide for GRAM5

Abstract

The following provides available information about migrating from previous versions of the Globus Toolkit.
# Table of Contents

1. Migrating GRAM from GT5.0 ................................................................. 1  
   1. Admin - Migration Guide ............................................................... 1  
   2. User - Migration Guide ............................................................... 1  
   3. Developer - Migration Guide ....................................................... 1  
2. Migrating GRAM from GT4.2 ............................................................. 2  
   1. Admin - Migration Guide ............................................................... 2  
   2. User - Migration Guide ............................................................... 2  
   3. Developer - Migration Guide ....................................................... 2  
3. Migrating GRAM from GT4.0 ............................................................. 3  
   1. Admin - Migration Guide ............................................................... 3  
   2. User - Migration Guide ............................................................... 3  
   3. Developer - Migration Guide ....................................................... 3  
Glossary ................................................................................................. 4
Chapter 1. Migrating GRAM from GT5.0

1. Admin - Migration Guide

2. User - Migration Guide

3. Developer - Migration Guide
Chapter 2. Migrating GRAM from GT4.2

The GRAM5 protocol has been designed to be backward compatible with GRAM2 protocol from GT 4.2.x. There is no compatibility between GRAM5 and the GRAM4 protocol.

1. Admin - Migration Guide

1.1. Audit Logging

GRAM5 supports generating audit records the same as GRAM2. It also adds support for a Teragrid-specific Gateway User field in the audit records. The globus_gram_job_manager_auditing package contains the audit database interface code. The globus_gram_job_manager_auditing_setup setup package configures this package. GRAM5 auditing is enabled by using the `--audit-directory` command-line option in the job manager configuration file. For more information about GRAM5 audit support, see the GRAM5 admin guide.

2. User - Migration Guide

2.1. Command-line Tools

GRAM5 provides the `globusrun` program to submit jobs to GRAM5 services. It no longer supports multi-request (duroc or MPI) jobs. GRAM5 does not provide the `globusrun-ws` as it does not support the WSRF protocols.

3. Developer - Migration Guide

3.1. API Changes

The GRAM5 version of the GRAM Client API adds support for receiving protocol extension information in callbacks and responses. All GRAM Client API functions from GRAM2 are provided in the GRAM5 API. The DUROC, DUCT, and Nexus APIs are no longer provided in GRAM5.
Chapter 3. Migrating GRAM from GT4.0

The GRAM5 protocol has been designed to be backward compatible with GRAM2 protocol from GT 4.0.x. There is no compatibility between GRAM5 and the GRAM4 protocol.

1. Admin - Migration Guide

1.1. Audit Logging

GRAM5 supports generating audit records the same as GRAM2. It also adds support for a Teragrid-specific Gateway User field in the audit records. The globus_gram_job_manager_auditing package contains the audit database interface code. The globus_gram_job_manager_auditing_setup setup package configures this package. GRAM5 auditing is enabled by using the `-audit-directory` command-line option in the job manager configuration file. For more information about GRAM5 audit support, see the GRAM5 admin guide.

2. User - Migration Guide

2.1. Command-line Tools

GRAM5 provides the `globusrun` program to submit jobs to GRAM5 services. It no longer supports multi-request (duroc or MPI) jobs. GRAM5 does not provide the `globusrun-ws` as it does not support the WSRF protocols.

3. Developer - Migration Guide

3.1. API Changes

The GRAM5 version of the GRAM Client API adds support for receiving protocol extension information in callbacks and responses. All GRAM Client API functions from GRAM2 are provided in the GRAM5 API. The DUROC, DUCT, and Nexus APIs are no longer provided in GRAM5.
Glossary