

JAVA CoG KIT GUIDES

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Url: <http://www.cogkit.org/release/4.1.2/manual/guide/guide.html>

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1. ABOUT THIS DOCUMENT

This document includes basic information about the different Java CoG Kit guides in order to help you find documentation about the Java CoG Kit.

1.1. Reproduction


The material presented in this document can not be published, mirrored, electronically or otherwise reproduced without prior written consent. As you can link to this document, this should not pose much of a restriction.

1.2. Viewing

The best way to read this document is with Adobe Acrobat Reader. Please make sure you configure Adobe Acrobat Reader appropriately so you can follow hyperlinks. This is the case if you follow the default installation. Acrobat Reader is available at <http://www.adobe.com/products/acrobat/readermain.html>. Because the hyperlinks are not available in the printed form of this manual and we support saving our environment we strongly discourage printing this document.

We recommend that you save this manual locally on your machine and use Acrobat Reader. This has the advantage that you do not lose your anchor points while switching back and forth between different hyperlinks. An HTML version of this manual is planned, but not available yet.

1.3. Format

We have augmented the document with some comments at places where we found issues. Our intend is to address these issues in a future release. The comments are marked by the icon  and the name of the person that will work on the removal of the issue.

2. REGISTRATION

Please be a team player and support us indirectly by registering with us or reporting your use of the Java CoG Kit. Although this software is free, we still need to justify to our funders the usefulness of the projects. If you want to help us with our efforts please take a few seconds to complete this information. We do not use this information for other purposes. If you have special needs or concerns please contact gregor@mcs.anl.gov. The registration form can filled out in a variety of formats. The online form can be found at

<http://www.cogkit.org/register>

This form is available also as ASCII text at

<http://www.cogkit.org/register/form.txt>

which you can FAX to

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3. INTRODUCTION

Originally, we distributed a single manual with the Java CoG Kit. We had two different attempts to join the documentation, but because we needed so much time to keep up with different Grid middleware solutions our attempt to keep this manuals up to date have not yet been as successful as we wished.

In an effort to distribute the documentation among a group of people, we have decided to separate the chapters and make them available as guides. Once we have multiple guides together, we intend to join them in a single manual. But for now we like to give you already access to our preliminary contents and to encourage others to contribute to the effort of writing such guides.

The guides in this document are related to the Java CoG Kit version 4.1.2. Guides that contain -dev in the name are particularly targeted to the developers of the Java CoG Kit.

4. CONTRIBUTING A GUIDE

You can contribute a guide to us by contacting gregor@mcs.anl.gov. Guides can be written in any format including word, HTML, and ASCII. We will convert these guides in the format you see here. To assist us in doing so, please make sure that all images must be provided in separate files as png and as original, with a note which program created this image. In case you like to use the format you see here, please download this sample form the CVS as described in the appendix and modify it appropriately. Writing guides in our format is highly trivial.

5. WHICH GUIDES ARE AVAILABLE?

At this time we have the following guides available:

Guide: A guide to help you finding out what guides have been written
[\[PDF\]](#) [\[HTML\]](#).

Install: A guide to the different ways of installing the Java CoG Kit
[\[PDF\]](#) [\[HTML\]](#)

6. WHICH GUIDES ARE UNDER DEVELOPMENT?

Security: A guide to GSI security

Release: A guide to the Java CoG Kit release process
[\[PDF\]](#) [\[HTML\]](#).

Workflow: A guide to the Gridant/Karajan Workflow
[\[PDF\]](#) [\[HTML\]](#)

7. WHICH GUIDES ARE PLANED?

At this time we have the following subject guides planed, however we have not yet started them. Your input and participation in writing them is welcome:

- For Users: How to develop portlets with the Java CoG Kit.
- For Users: Which Example programs do exists and what do they do.
- For Developers: How to do a Java CoG Kit release.
- For Users: Ho to deal with GSI security
- For Users: How to write a workflow with gridant and Karajan

- For Users: How to use the GT2 provider
- For Users: How to use the GT2 provider
- For Users: How to use the GT3 provider
- For Users: How to use the GT4 provider
- For Users: How to use the SSH provider
- For Users: How to use the UNICORE provider
- For Users: How to use the Condor provider
- For Users: How to use the Grid Desktop provider
- For Users: How to use the Grid Shell provider
- For Users: How to submit simple jobs with the Java CoG Kit
- For Users: How to conduct file transfers with the Java CoG Kit
- For Users and administrators: How to use the Certificate Authority
- . . . others, please let us know

8. WHICH GUIDES ARE UNDER DEVELOPMENT?

TBD

REFERENCES

- [1] G. von Laszewski, I. Foster, J. Gawor, and P. Lane, “A Java Commodity Grid Kit,” *Concurrency and Computation: Practice and Experience*, vol. 13, no. 8-9, pp. 643–662, 2001. [Online]. Available: <http://www.mcs.anl.gov/~gregor/papers/vonLaszewski--cog-cpe-final.pdf>
- [2] “Java CoG Kit Wiki,” 2004. [Online]. Available: <http://www.cogkit.org/wiki>
- [3] “Java CoG Kit Registration,” 2004. [Online]. Available: <http://www.cogkit.org/register>

Additional publications about the Java CoG Kit can be found as part of the vita of Gregor von Laszewski <http://www-unix.mcs.anl.gov/~laszewsk/vita.pdf>. Most documents are available online if you follow the links. In future we intend to provide this information without Gregors vita data.

If you need to cite the Java CoG Kit, please use [1].

A. JAVA CoG KIT GUIDES

Short Title	Description	Format
Guide	A guide to help you finding out what guides have been written	[PDF] [HTML]
Install	A guide to the different ways of installing the Java CoG Kit	[PDF] [HTML]
Commands	A guide to the command line tools of the Java CoG Kit	[PDF] [HTML]
Workflow	A guide to the Gridant/Karajan Workflow	[PDF] [HTML]
Abstractions	A guide to the Java CoG Kit abstractions API	[PDF] [HTML]
JavaDoc	The Java API documentation to the Java CoG Kit	[HTML]
Coding	A guide to the Coding rules for the Java CoG Kit	[PDF] [HTML]
Overview	A future guide that will be an overview to the Java CoG Kit	[PDF] [HTML]

B. JAVA CoG KIT GUIDES UNDER CONSTRUCTION

More guides are under development. The following guides are not yet completed, but are listed here to help us improving these guides. Please, explore them and send us e-mail about improvement suggestions. If you like to contribute a guide yourself, please contact gregor@mcs.anl.gov.

Short Title	Description	Format
MPI	A preliminary guide to execute MPI programs on the TeraGrid and alike	[PDF] [HTML]
Release Process	A preliminary guide to document the release process	[PDF] [HTML]
Guide	A preliminary guide to document writing guides	[PDF] [HTML]
Examples	A preliminary guide to examples alike	[PDF] [HTML]

C. AVAILABLE DOWNLOADS

First time users of the Java CoG Kit should read the “Guide to Installing the Java CoG Kit” [\[PDF\]](#) [\[HTML\]](#). We hope that you will find this guide useful to decide which bundles you need. For the more experienced user, we provide the following table.

Binary Distributions

- Complete (all providers) [\[tar.gz\]](#)[\[zip\]](#)
Installation Guide [\[HTML\]](#) [\[PDF\]](#)
- Separate providers
Installation Guide [\[HTML\]](#) [\[PDF\]](#)
 - Main package (includes GT2 providers) [\[tar.gz\]](#)[\[zip\]](#)
 - Common GT 3.x.x package [\[tar.gz\]](#)[\[zip\]](#) (required for all GT 3.x.x providers)
 - GT 3.0.2 provider [\[tar.gz\]](#)[\[zip\]](#)
 - GT 3.2.0 provider [\[tar.gz\]](#)[\[zip\]](#)
 - GT 3.2.1 provider [\[tar.gz\]](#)[\[zip\]](#)

- GT 4.0.0 and 4.0.1 provider [[tar.gz](#)][[zip](#)]
- Condor provider [[tar.gz](#)][[zip](#)]
- SSH provider [[tar.gz](#)][[zip](#)]
- WebDAV provider [[tar.gz](#)][[zip](#)]
- Local provider [[tar.gz](#)][[zip](#)]

Source Distributions

- Complete source distribution
Installation Guide [[HTML](#)] [[PDF](#)]
Source Distribution [[tar.gz](#)][[zip](#)]

API Documentation

- Complete API [[tar.gz](#)][[zip](#)]

Module List

- Module list [[HTML](#)]

CVS

- Please consult the Installation Guide [[HTML](#)] [[PDF](#)]

D. AVAILABILITY OF THE DOCUMENT

The newest version of this document can be downloaded by the developers from

1. `cvs -d:pserver:anonymous@cvs.cogkit.org:/cvs/cogkit checkout manual/guide`

It is not allowed to reproduce this document or the source. This documentation is copyrighted and is not distributed under the CoG Kit license.

E. BUGS

This guide is constantly improved and your input is highly appreciated. Please report suggestion, errors, changes, and new sections or chapters through our [Bugzilla](#) system at <http://www-unix.globus.org/cog/contact/bugs/>

F. ADMINISTRATIVE CONTACT

The Java CoG Kit project has been initiated and is managed by Gregor von Laszewski. To contact him, please use the information below.

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