

Report for WALSAIP

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1 Introduction

During that semester i explore the Eclipse IDE in conjunction with Mage plug-in developed by Manderburg University.

We are focus in to develop grid services that allow to execute top of them more sophisticated applications.

As a result i develop three grid services for Globus Toolkit:

- Monitor Service
- GridFTP Service
- Ida Service

2 Requirements

For deploy and execute the services you need a globus container, the gridftp server running with certificates, and the jdk 1.5. Although, the development of grid services was in Eclipse, for deploy services, it is no required. However, to reproduce the information in video is necessary to have Eclipse IDE.

3 Demo

As demo, i present three videos in flash. Two videos are dedicated to explain how to build a grid service in java, how to deploy it in a container and how to execute a client to access it from command line. That service is the gridftp service and it assume that a gridftp servers are available.

The third video, show you how to build, deploy and interact with a grid service in C. That service deploy the IDA algorithm as grid service. That grid service assume that the file to be sliced is located at the same host where it is deployed. The slices of the file are located at the same place where the grid service is located.