Ecole d'ingénieurs et d'architectes de Fribourg
Hochschule für Technik und Architektur Freiburg

GRID & Cloud Computing Group

POP-C++

Status on application termination

Author:
Valentin Clément

Date: October 10, 2011
Revision: 1.0

Contents

1 Introduction

In a distributed application, the termination is a non trivial problem. In fact, when the main of the application is over, many parallel object can still be running.
The main of the application should be able to determine when the whole application is ended. This document aims to explains the current status of the application termination in POP-C++ 2.0 and find a way to make it better.

2 Current status

This chapter aims to explain the current situation of the application termination in POP-C++.

2.1 Parallel object destructor

Every parallel object inherits from the root parallel object paroc_object. When a parallel object is destroyed, its own destructor is called and then the destructor of paroc_object is called.
When the paroc_object destructor is called, this will make a called to the ObjectMonitor to unmanage this specific object.

3 Table of figures

4 References

[1] Adrian Wyssen, *VirtualPOPC-1 : Project Report*. EIA-FR, Switzerland, June-August 2010.

[2] Valentin Clément, *POP-C++ over SSH Tunnel*. EIA-FR, Fribourg, Switzerland, September-November 2010.

[3] Valentin Clément, *POP-C++ Virtual-Secure : POP-C++ User and Installation manual add-on*. EIA-FR, Fribourg, Switzerland, January 2011.