

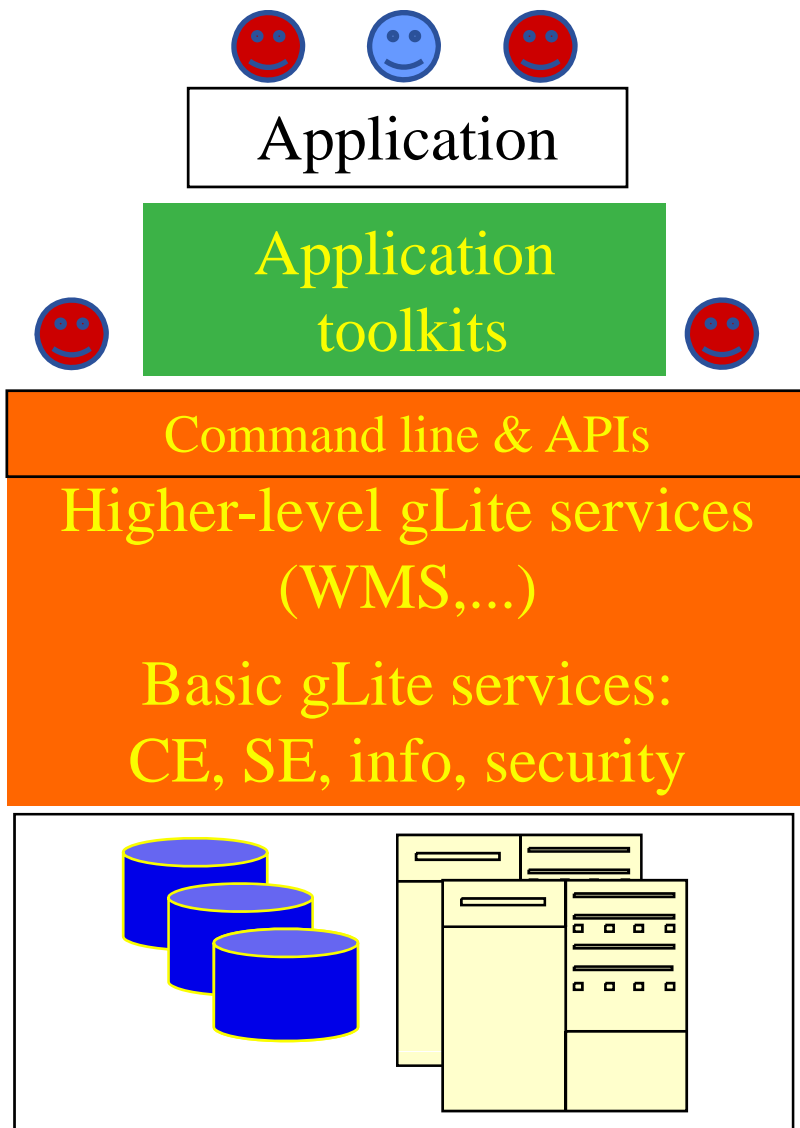


Enabling Grids for E-science

Context and linking

www.eu-egee.org





- Where computer science meets the application communities!
- The tools, services used by the VO's applications
- **NA4 Recommended External Software Packages for Egee Communities**
 - RESPECT tools
 - GridWay, P-GRADE Portal, GANGA, DIANE, i2glogin, GRelC
 - <http://egeena4.lal.in2p3.fr/> → RESPECT menu

Production infrastructure contains these services

- High level services: help the users building their computing infrastructure but should not be mandatory
- Basic services: Must be complete and robust; Should not assume the use of Higher-Level Grid Services

- **Complex jobs, complex data dependencies**
 - Handling job IDs
 - Performance
- **Interfacing jobs with data services**
 - Who has to develop this part of the code?
- **Fault tolerance**
 - What if Computing Element fails
 - What if Storage Element fails
 - What if Workload Management System fails
- **Migration**
 - From cluster to grid
 - From one VO to another
- **(Interactivity)**

- **Today:**
 - GridWay

- **Tomorrow:**
 - P-GRADE Portal
 - GReIC
 - GANGA