



KnowARC

gLite/ARC interoperability

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KnowARC/EGEE-II

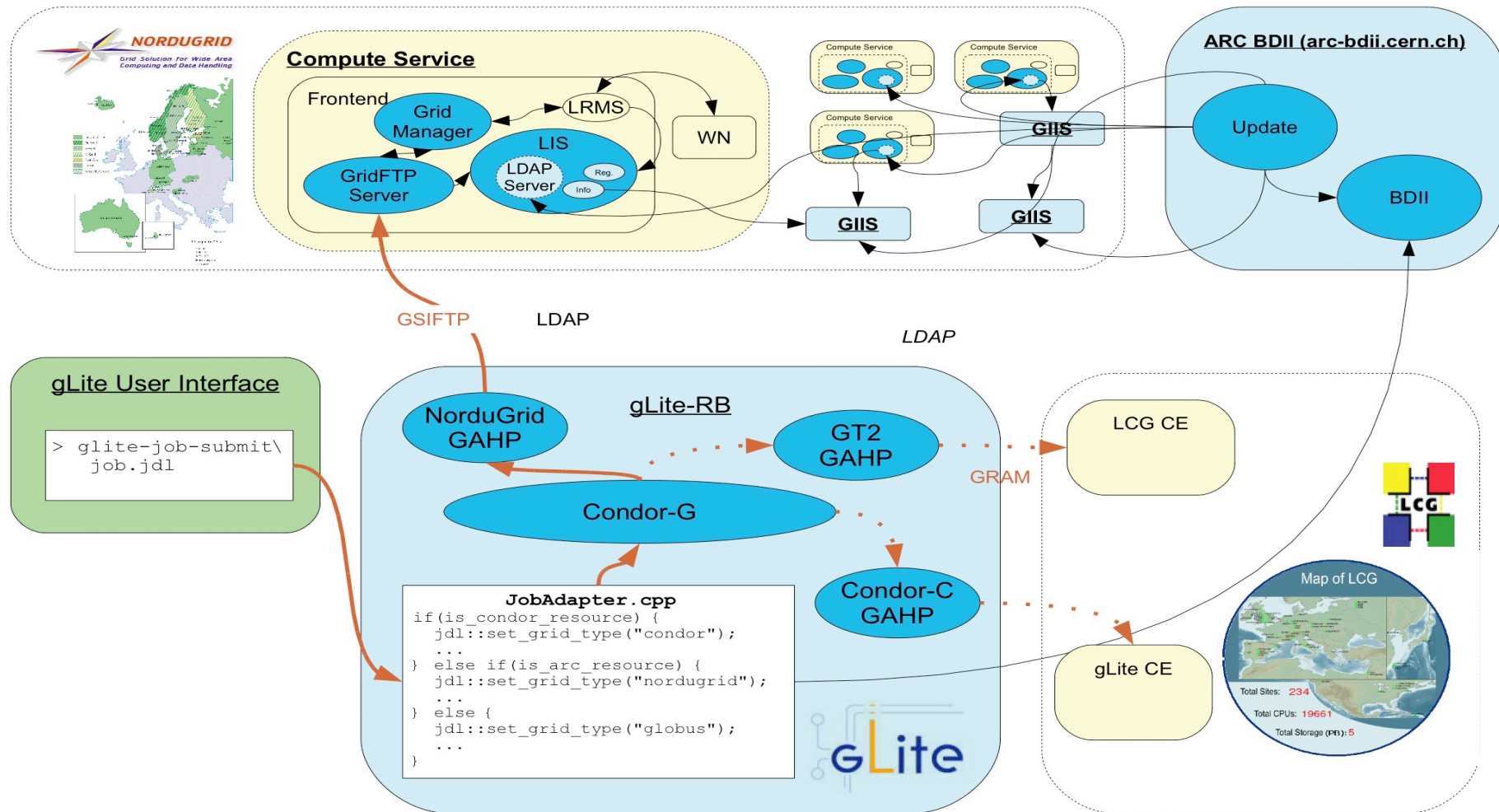


- ✚ Background:
 - ❖ EU-funded project,
 - ❖ firm background in ARC development,
 - ❖ large international coverage,
- ✚ The mission of KnowARC is to create a novel, powerful Next Generation Grid middleware.
- ✚ Promote Grid standardization and interoperability:
 - ❖ official EGEE-II (SA3) and KnowARC (WP3) activities;
 - ❖ 1FT is co-financed in gLite-ARC task force;
 - ❖ EGEE'06 KnowARC session on Tuesday.

gLite → ARC Gateway Overview



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✦ Condor-G → ARC

- ❖ Condor-G v.6.7.12+ can already submit to ARC

✦ Information System

- ❖ preliminary system (arc-bdii.cern.ch) works
- ❖ needs full scale testing

✦ WMS Condor

- ❖ official gLite uses Condor-6.7.10 - we need $\geq 6.7.12$!
- ❖ Next version of gLite will support Condor 6.7.19
- ❖ JobAdapter needs work

ARC → gLite CE interface



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- ✚ Gateways/direct not feasible
- ✚ Solution: open interface for job management on gLite CEs
- ✚ Good news: CREAM interface developed under EGEE
- ✚ Bad news: Not supported by gLite CEs, and no milestone exists
- ✚ But, any open interface standard to CEs will do
- ✚ Deliverable: KnowARC/EGEE-II interoperability by august 31 2007



- ✚ WP3:
 - ❖ ARC-EGEE interoperation,
 - ❖ interoperability survey,
 - ❖ OGSA-conformance (GFD.80),
 - ❖ grid gateways and boundary services,
 - ❖ grid standardization initiative,
 - ❖ policies.
- ✚ Take active role in standardization “spiral”.
- ✚ In the long run: to use standard interfaces.

Thank you



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Thank you! + Questions?

[http\[s\]://www.knowarc.eu](http[s]://www.knowarc.eu)

<http://www.nordugrid.org>