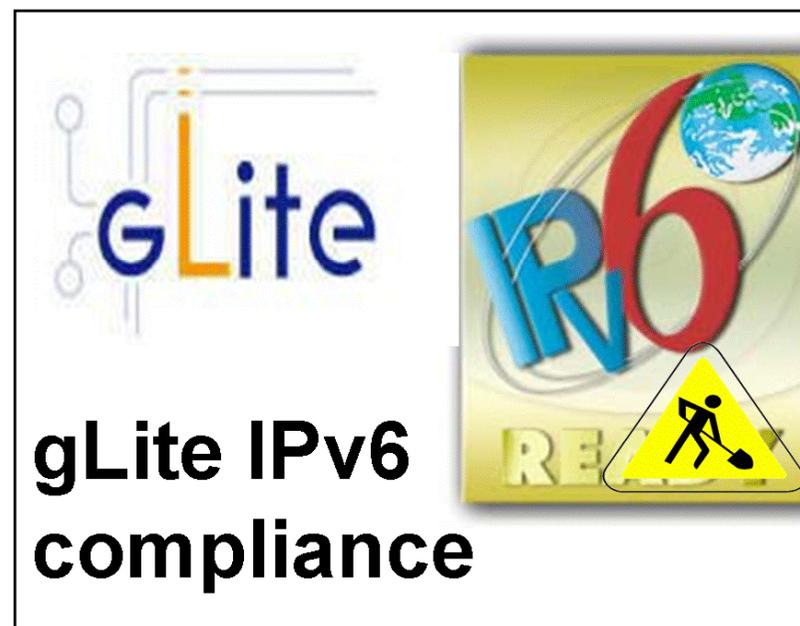


gLite IPv6 compliance activities

(sub-task TSA2.3.3)

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EGEE SA2 – IPv6 task



EGEE08

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- **The IPv6 sub-task (TSA2.3.3)**
 - Goals and milestones
 - Activities and collaborations
 - Work plan
 - References

- **Structure of today's SA2/ETICS presentation**
 - Topics/sharing

- Foster the IPv6 compliance of gLite
- Provide evangelization and rise awareness about IPv6 to the EGEE community
 - Tutorials

- Milestone M SA2.5 (due at PM 22)

Status of IPv6 support for EGEE SA2:

The IPv6 status in EGEE will be assessed in both the middleware and the infrastructure. An analysis of the advantages and drawbacks of the migration to IPv6 will be also given.

- **The task is organized in 3 main branches of activities**
 - **IPv6 compliance assessment** *(ideally before the global IPv6 porting)*
 - *Aimed at identifying IPv6-non-compliance and selecting proper external components*
 - *Through analysis of the code and specific targeted tests*
 - *external components*
 - *gLite middleware stack*
 - **IPv6 testing and support** *(ideally during and after the global IPv6 porting)*
 - *Aimed at verifying IPv6 compliance and regression testing for IPv4*
 - *By means of different sources of tools*
 - **IPv6 Tutorial activities within the EGEE/gLite community**
 - *Aimed at evangelization about IPv6 and supporting the developers*

- **During EGEE II we started a fruitful collaboration with EuChinaGRID and ETICS about IPv6**
 - To gather energies and be more effective
- **We jointly achieved relevant results and shaped the IPv6 activities**
- **Collaboration with ETICS still goes on**
- **Waiting for the follower project of EuChinaGRID**

- The current IPv6 workplan and internal project agreements/goals have been agreed (SA2, project technical management) and submitted to JRA1, ETICS, SA3 in June
- The project strategy towards IPv6 will be updated in winter (beginning of 2009), as agreed by TMB
- The agreed IPv6 workplan is available on EDMS
doc ID = 946415

- **The main SA2 IPv6 references are:**
 - Wiki at <https://twiki.cern.ch/twiki/bin/view/EGEE/IPv6FollowUp>

- EDMS
 - All relevant documents produced so far are available:
 - *Workplan*
 - *Specific guides/test reports about IPv6*

Structure of today's presentation

- **How to test IPv6 compliance in general** *(Etienne Duble/UREC)*
- **IPv6 compliance of external dependencies** **(20 min)**

- **The ETICS IPv6 metrics (IPv6 code checker)** *(Marian Zurek/CERN)*
- **ETICS IPv6 resources and tools** **(20 min)**

- **The EGEE IPv6 SA2 testbed** *(Mario Reale/GARR)*
- **IPv6 compliance status of the gLite components**
(20 min)