

BAR end2end specification

Enabling Grids for E-sciencE

- Two stage service provisioning
 - What should the user interface looks like?
 - Two operations: SR and SA
 - SR -> same as the current BAR interface ?
 - SA -> what should this interface contain ?
 - How to link SR to SAs?
 - Issues with the use of SR-ID in a SA interface (explicit mapping)
 - How to pass this to other applications/services ?
 - ?
 - What about implicit mapping?
 - E.g., identify IP subnets in Source & Sink IP addresses of a SA and then match them to a Service Request (bandwidth Pipe)?
 - o Issues?



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- Who manages resources ?
 - What are the resources to be managed?
 - At SR level: BAR should ask L-NSAP to check current request (in addition to existing requests) does not exceed the interconnect link capacity. Interconnect link -> link between last mile and adjacent network domain
 - At SA Level: L-NSAP should check reserved capacity in the SR (bandwidth pipe) is not exceeded.
 - These checks have to be based on durations of the SRs/SAs.
 - User authorization should be managed too.
 - BAR "may" check a SA belongs to a valid SR.
- Any other changes required to the BAR spec ?
 - Require updating L-NSAP & NSAP sections
- Issues to be discussed with SA2