

WebServicesDRMAA

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Background

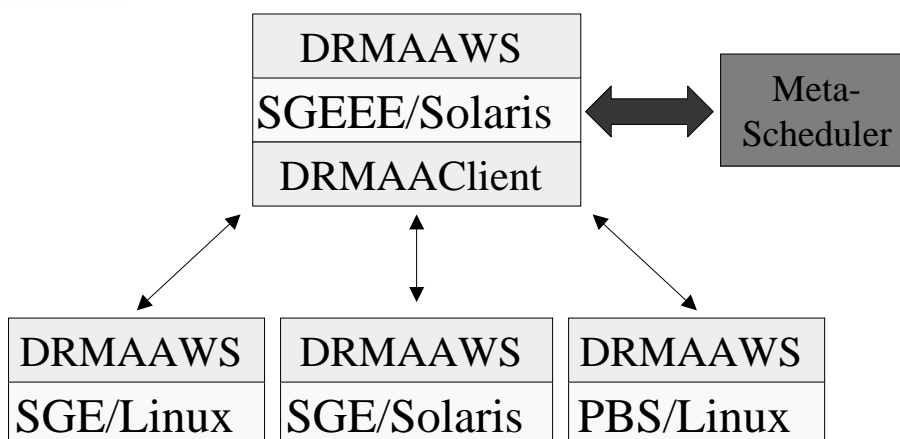
- UK Regionale e-Science Centre
- Sun 'Centre of Excellence' in e-Science
- Concentrating on Grid Middleware:
 - Portal Infrastructure
 - Maximising Resource Utilisation
 - Policy for resource sharing
 - Construction of Imperial College Grid
- Development of higher-level scheduling & optimisation of resource utilisation

DRMAA-WS

- Build on proposed interface and developments
- Use XML & SOAP encoded request & response
- Standardise low-level remote access to DRM
- Evolve to provide GRAM/RSL type mappings
 - Job definition ML
 - Resource ML
 - Policy ML
 - Direct OGS A service?

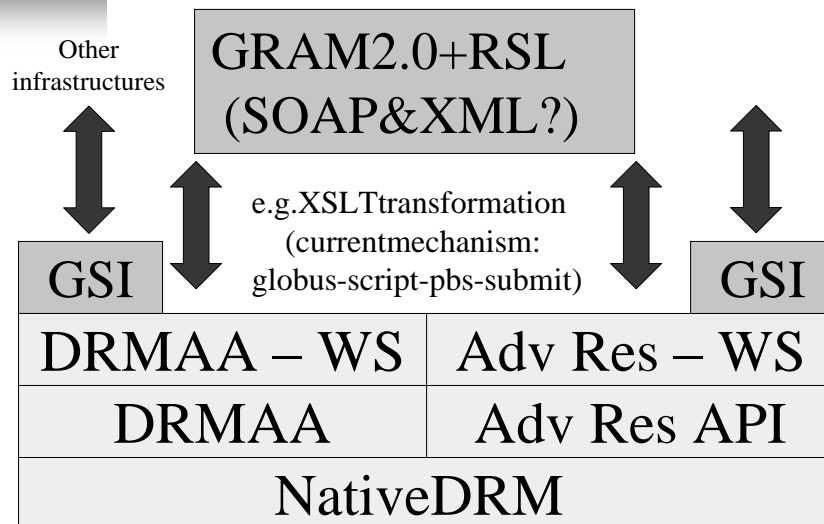
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Motivation



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Layered Architecture



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Whatnext...

- Very initial draft specification available
 - <http://www.doc.ic.ac.uk/~nfur/drmaa/>
- Implementation of interface within WS context:
 - Build basic WS interface with dummy DRM
 - Integrate with DRMAA as/when implemented
 - Link to higher -level schedulers
- Welcome comments, discussion & suggestions
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