Roadmap for the ARC Grid middleware

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Abstract. The Advanced Resource Connector (ARC) or the NorduGrid
middleware is an open source software solution enabling production qual-
ity computational and data Grids, with special emphasis on scalability,
stability, reliability and performance. Since its first release in May 2002,
the middleware is deployed and being used in production environments.
A growing number of scientific Grid infrastructure projects (Swegrid,
Swiss ATLAS Grid, M-Grid of Finland, NDGF, etc.) are choosing ARC
as their middleware. These resources effectively constitute one of the
largest production Grids of the world, united by the common middleware
base while having different operational modes and policies. The talk will
describe the Advanced Resource Connector, its current status and the
roadmap towards enhanced services, emerging international standards
and interoperability with other Grid middlewares.