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Grid Interoperability: The Interoperations Cookbook

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Over recent years a number of grid projects have emerged which have built grid infrastructures that are now the computing backbones for various user communities. A significant number of these user communities are artificially limited to only one grid due the different middleware used in each grid project. Grid interoperation is trying to bridge these differences and enable virtual organizations to access resources independent of the grid project affiliation.

The presentation gives an overview of grid interoperation and describes the current methods used to bridge the differences between grids. Actual use cases encountered during the last three years are discussed and the most important interfaces required for interoperation are highlighted. A summary of the standardisation efforts in these areas is given and arguments are made for moving more aggressively towards standards.

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