

Preserving Versatility in Event-Based Middleware

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Abstract:

Existing commercial and research event-based middleware are limited in their ability to evolve in order to support the requirements of novel applications. As a result, new infrastructures are being proposed to attend to widening scope and changing demands. In this paper, we define the concept of versatility generally and survey existing approaches that can be used to develop and preserve versatility in middleware. We discuss our research in designing, implementing, and preserving versatility in event-based middleware using YANCEES, a versatile event notification service being developed at UC Irvine. The design of the system is briefly presented and the lessons learned discussed.