Data Distribution Service (DDS)

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DDS is a specification for publish-subscribe data-distribution systems. The purpose of the specification is to provide a common application-level interface that clearly defines the data distribution service. The specification describes the service using Unified Modeling Language (UML), thus providing a platform-independent model that can then be mapped into a variety of concrete platforms and programming languages.

The Object Management Group® (OMG®) DDS attempts to unify the common practice of several existing implementations enumerating and providing formal definitions for the Quality of Service (QoS) settings that can be used to configure the service.

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