

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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