

# DDS Domain

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A **Domain** is a communication context, which provides a virtual environment, encapsulating different concerns and thereby optimizing communications. [Data Distribution Service \(DDS\)](#) applications send and receive data within a domain, which provides a virtual communication environment for participants having the same domain [ID](#). This environment also isolates participants associated with different domains, i.e., only participants within the same domain can communicate, which is useful for isolating and optimizing communication within a community that shares common interests.

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Last update: **2020/11/13 16:58**

