

DESTINATION_ORDER QoS Parameter

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The DESTINATION_ORDER policy controls how each subscriber resolves the final value of a data [instance](#) that is written by multiple DataWriter objects (which may be associated with different [Publisher](#) objects) running on different nodes. The setting BY_RECEPTION_TIMESTAMP indicates that, assuming the [OWNERSHIP](#) policy allows it, the latest received value for the instance should be the one whose value is kept. This is the default value.

The setting BY_SOURCE_TIMESTAMP indicates that, assuming the OWNERSHIP policy allows it, a timestamp placed at the source should be used. This is the only setting that, in the case of concurrent same-[strength](#) DataWriter objects updating the same instance, ensures all subscribers will end up with the same final value for the instance. The mechanism to set the source timestamp is [middleware](#) dependent.

The value offered is considered compatible with the value requested if and only if the inequality `offered kind >= requested kind` evaluates to TRUE. For the purposes of this inequality, the values of DESTINATION_ORDER kind are considered ordered such that `BY_RECEPTION_TIMESTAMP < BY_SOURCE_TIMESTAMP`.

Source: [DDS 1.4 Spec](#)

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